



Limited Phase II Subsurface Investigation

1006 W Lugonia Avenue
APNs: 016717104, 016717105, and 016717106
Redlands, California 92374



PREPARED FOR:

REDLANDS SUMMIT LLC
2459 HUNTINGTON DRIVE
SAN MARINO, CA 91108

HILLMANN PROJECT NUMBER C3-9673

AUGUST 16, 2023

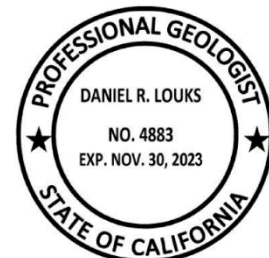
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PROFESSIONAL GEOLOGIST 4883

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August 16, 2023

Mr. Jerry Zhang
Redlands Summit LLC
2459 Huntington Drive
San Marino, CA 91108

RE: Limited Phase II Subsurface Investigation
1006 West Lugonia Avenue
APNs: 016717104, 016717105, and 016717106
Redlands, California 92374
Hillmann Project Number: C3-9673

Dear Mr. Zhang:

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

Kofi Bonner
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 1006 West Lugonia in Redlands, California 92374. The Subject Property consists of several parcels located at the corner of West Lugonia Avenue and Karon Street in Redlands, CA. The Subject Property occupies approximately 24 acres of rural land in an area of Redlands, California.

2.0 SITE INVESTIGATION

On July 31, 2023, Hillmann collected thirty-six (36) shallow soil samples from multiple soil borings on the Subject Property. The samples were collected using a hand auger tool or soil sampling spatula and were completed from 0 to 2 feet below grade. The sample locations were targeted using a rough rectangular grid pattern across the target portion of the Subject Property. The soil samples were composited into nine (9) samples for laboratory analysis to provide a representative and random assessment of soil conditions across the target area of the Subject Property.

The rationale for this sampling pattern is based on the assumption that any pesticide applications would have been evenly distributed over time and area. This is a reasonable assumption and is recommended in regulatory guidance provided by DTSC (*Interim Guidance for Sampling Agricultural Properties, August 2008*). The sampling locations are shown on **Figure 1**.

The samples were composited in the field by combining 4 adjacent sample locations into one sample container with roughly equal weight and volume from each discrete location. Soil samples collected were preserved for analysis in laboratory jars, sealed with plastic end caps, and stored on ice. A total of thirty-six (36) soil samples were composited into nine (9) separate samples that were submitted for laboratory analysis of Title 22 Metals by EPA Method 6010B, and OCPs by EPA Method 8081A. A&R Laboratories of Ontario, California analyzed the samples on a 5-day turnaround basis.

2.1 Laboratory Results

Results of the July 31, 2023, OCP analysis indicated the samples had low levels of pesticides including the following: 4,4'-DDD, 4,4'-DDT, and 4,4'-DDE, alpha-Chlordane, and Dieldrin. The detected concentrations were compared to the EPA Regional Screening Levels (RSLs), which were developed by the EPA and modified for use by the California DTSC. RSLs developed by EPA are based on human health toxicity factors for

residential and commercial settings. None of the 4,4'-DDD, 4,4'-DDT, and 4,4'-DDE, alpha-Chlordane, or Dieldrin concentrations exceeded their respective conservative screening levels for residential or commercial applications. Results of the heavy metal analysis indicated the samples had low levels of heavy metals including the following: barium, chromium, cobalt, copper, lead, molybdenum, nickel, vanadium, lead, and zinc. The detected concentrations were compared to the EPA Regional Screening Levels (RSLs), which were developed by the EPA and modified for use by the California DTSC. RSLs developed by EPA are based on human health toxicity factors for residential and commercial settings. None of the heavy metal concentrations exceeded their respective conservative screening levels for residential or commercial applications or the DTSC-established background concentrations. A full analysis laboratory report is available in **Appendix A**.

3.0 CONCLUSIONS AND RECOMMENDATIONS

The Subject Property is 24 acres of rural land located in Redlands California. The subsurface investigation included conducting a shallow native soil sampling across the Subject Property. Samples were tested for OCPs, lead, arsenic, mercury, and other heavy metals, which might have been used as pesticides at the site. Hillmann collected thirty-six (36) individual samples throughout the Subject Property. The samples were composited in the field by combining 4 adjacent sample locations into one (1) sample container with roughly equal weight and volume from each discrete location. The soil samples were composited into nine (9) separate samples that were submitted for laboratory analysis of Title 22 Metals by EPA Method 6010B, and OCPs by EPA Method 8081A. The results of the OCP analysis indicated detectable concentrations of 4,4'-DDD, 4,4'-DDT, and 4,4'-DDE, alpha-Chlordane, and Dieldrin. None of the 4,4'-DDD, 4,4'-DDT, and 4,4'-DDE, alpha-Chlordane, or Dieldrin concentrations exceeded their respective conservative screening levels for residential or commercial applications. The results of the Title 22 Metals heavy metal analysis indicated samples had low levels of heavy metals including the following: barium, chromium, cobalt, copper, lead, molybdenum, nickel, vanadium, lead, and zinc. The detected concentrations were compared to the EPA Regional Screening Levels (RSLs), which were developed by the EPA and modified for use by the California DTSC. RSLs developed by EPA are based on human health toxicity factors for residential and commercial settings. None of the heavy metal concentrations exceeded their respective conservative screening levels for residential or commercial applications or the DTSC-established background concentrations.

4.0 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 current and relevant Federal, State, regional, and local agencies.

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

Sample ID	Aldrin	Toxaphene	4,4 DDD	4,4 DDE	4,4 DDT	Dieldrin	Other OCP
S-1	<0.0050	<0.050	0.012	0.14	0.15	0.0050	<0.0050
S-2	<0.0050	<0.050	<0.0050	0.087	0.0057	<0.0050	0.0050
S-3	<0.0050	<0.050	<0.0050	0.46	0.035	0.0050	<0.0050
S-4	<0.0050	<0.050	<0.0050	0.17	0.034	<0.0050	<0.0050
S-5	<0.0050	<0.050	<0.0050	0.12	0.012	<0.0050	<0.0050
S-6	<0.0050	<0.050	<0.0050	0.16	0.018	<0.0050	<0.0050
S-7	<0.0050	<0.050	<0.0050	0.059	0.023	<0.0050	<0.0050
S-8	<0.0050	<0.050	<0.0050	0.069	0.012	<0.0050	<0.0050
S-9	<0.0050	<0.050	<0.0050	0.12	0.013	<0.0050	<0.0050
Residential RSL	0.11	0.49	2.3	1.9	1.9	0.034	Var.
Commercial RSL	0.36	2.1	9.6	9.3	8.5	0.14	Var.
DTSC Background	--	--	--	--	--	--	--

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 Soil Sampling Results (mg/Kg)**

Sample ID	Arsenic	Barium	Chromium	Cobalt	Copper	Lead	Nickel	Vanadium	Zinc
S-1	ND	76.2	20.9	8.89	37.3	9.39	12.2	37.3	93.1
S-2	ND	74.2	22.4	9.06	36.8	7.38	11.9	39.3	72.5
S-3	ND	65.2	19.3	8.68	31.6	9.03	11.3	33.9	89.6
S-4	ND	117	17.9	8.05	28.7	7.67	10.3	33.6	76.4
S-5	ND	54.5	18.4	7.97	27.9	8.95	10.7	33.6	74.6
S-6	ND	59.5	19.8	8.41	30.6	9.88	11.2	34.3	80.0
S-7	ND	44.5	16.9	7.44	29.2	11.0	10.1	32.6	68.0
S-8	ND	55.8	17.5	7.67	28.6	13.7	10.3	33.0	77.5
S-9	ND	58.6	19.5	7.61	28.2	9.83	10.3	32.6	72.8
Residential RSL	0.11	15,000	36,000	23	3,100	80	490*	390*	23,000
Commercial RSL	0.36	220,000	170,000	350	47,000	320	3,100*	1,000*	350,000
DTSC Background	--	--	--	--	--	--	--	--	--

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.

FIGURES



HILLMANN
CONSULTING

1745 Orangewood Avenue, Suite 201
Orange, California 92868

Tel. 714-634-9500

Hillmann Project No: C3-9673

PROJECT TITLE:

1006 W. Lugonia Avenue
Redlands, California 92374

Client:

Redlands Summit LLC

2459 Huntington Drive,
San Marino, CA 91108

NOTES

Legend
○ = Sample Location

CONTRACTOR MUST VERIFY ALL QUANTITIES BEFORE BIDDING

TITLE:
Subsurface Boring Location map

DATE ISSUED: DRAWING SCALE: NTS

Drawing Number:
A-1

Sheet: of



APPENDIX A

Laboratory Reports



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

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www.arlaboratories.com

office@arlaboratories.com

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CASE NARRATIVE

Authorized Signature Name / Title (print)

Ken Zheng, President

Signature / Date

Ken Zheng, President
08/04/2023 10:40:55

Laboratory Job No. (Certificate of Analysis No.)

2307-00220

Project Name / No.

1006 W. LUGONIA AVE. C3-9673

Dates Sampled (from/to)

07/31/23 To 07/31/23

Dates Received (from/to)

07/31/23 To 07/31/23

Dates Reported (from/to)

08/04/23 To 8/4/2023

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)

Sample	Analyte	Result	Qual	Units	RL	Sample	Analyte	Result	Qual	Units	RL
S-1	4,4'-DDD	0.012		mg/Kg	0.0050	S-1	4,4'-DDE	0.14		mg/Kg	0.0050
S-1	4,4'-DDT	0.15		mg/Kg	0.0050	S-1	Dieldrin	0.0050		mg/Kg	0.0050
S-2	4,4'-DDE	0.087		mg/Kg	0.010	S-2	4,4'-DDT	0.0057		mg/Kg	0.0050
S-2	alpha-Chlordane	0.0050		mg/Kg	0.0050	S-3	4,4'-DDE	0.46		mg/Kg	0.0050
S-3	4,4'-DDT	0.035		mg/Kg	0.0050	S-3	Dieldrin	0.0050		mg/Kg	0.0050
S-4	4,4'-DDE	0.17		mg/Kg	0.0050	S-4	4,4'-DDT	0.034		mg/Kg	0.0050
S-5	4,4'-DDE	0.12		mg/Kg	0.0050	S-5	4,4'-DDT	0.012		mg/Kg	0.0050
S-6	4,4'-DDE	0.16		mg/Kg	0.0050	S-6	4,4'-DDT	0.018		mg/Kg	0.0050
S-7	4,4'-DDE	0.059		mg/Kg	0.0050	S-7	4,4'-DDT	0.023		mg/Kg	0.0050
S-8	4,4'-DDE	0.069		mg/Kg	0.010	S-8	4,4'-DDT	0.012		mg/Kg	0.010
S-9	4,4'-DDE	0.12		mg/Kg	0.0050	S-9	4,4'-DDT	0.013		mg/Kg	0.010



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1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

909-781-6335

www.arlaboratories.com

office@arlaboratories.com

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CERTIFICATE OF ANALYSIS

2307-00220

Date Reported 08/04/23
Date Received 07/31/23
Invoice No. 98877
Cust # H080
Permit Number
Customer P.O. C3-9673

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

Project: 1006 W. LUGONIA AVE.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 S-1							Date & Time Sampled: 07/31/23 @ 12:19	
Sample Matrix: Soil								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		08/02/23	IG
Aldrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
alpha-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
beta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
delta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Technical Chlordane	<0.10		mg/Kg	EPA 8081A	1.0	0.10	08/02/23	IG
alpha-Chlordane	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-Chlordane	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDD	0.012		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDE	0.14		mg/Kg	EPA 8081A	5.0	0.0050	08/02/23	IG
4,4'-DDT	0.15		mg/Kg	EPA 8081A	5.0	0.0050	08/02/23	IG
Dieldrin	0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan I	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan II	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan Sulfate	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin Aldehyde	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin ketone	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor Epoxide	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	08/02/23	IG
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	08/02/23	IG
[Surrogates]								
Tetrachloro-m-xylene	89		%REC	EPA 8081A/8082		50-150	08/02/23	IG
Decachlorobiphenyl	100		%REC	EPA 8081A/8082		50-150	08/02/23	IG
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		08/02/23	TLB
Antimony	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Barium	76.2		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB

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 ONTARIO, CA 91761
 909-781-6335
 www.arlaboratories.com office@arlaboratories.com

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CERTIFICATE OF ANALYSIS

2307-00220

HILLMANN GROUP
RYAN TERWILLIGER
 1745 W. ORANGEWOOD AVE.
 SUITE 201
 ORANGE, CA 92868
Project: 1006 W. LUGONIA AVE.

Date Reported 08/04/23
 Date Received 07/31/23
 Invoice No. 98877
 Cust # H080
 Permit Number
 Customer P.O. C3-9673

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 S-1 Sample Matrix: Soilcontinued							Date & Time Sampled: 07/31/23 @ 12:19	
Beryllium	1.02		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cadmium	3.02		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Chromium	20.9		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cobalt	8.89		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Copper	37.3		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Lead	9.39		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Molybdenum	<0.50		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Nickel	12.2		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Selenium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Silver	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Thallium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Vanadium	37.3		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Zinc	93.1		mg/Kg	EPA 6010B	1.0	5.0	08/02/23	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		08/02/23	KZ
Mercury	<0.042		mg/Kg	EPA 7471A	1.0	0.042	08/02/23	KZ
Sample: 002 S-2 Sample Matrix: Soil							Date & Time Sampled: 07/31/23 @ 12:47	
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		08/02/23	IG
Aldrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
alpha-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
beta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
delta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Technical Chlordane	<0.10		mg/Kg	EPA 8081A	1.0	0.10	08/02/23	IG
alpha-Chlordane	0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-Chlordane	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDD	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDE	0.087		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG

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1745 W. ORANGEWOOD AVE.
SUITE 201
ORANGE, CA 92868

Project: 1006 W. LUGONIA AVE.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 S-2							Date & Time Sampled: 07/31/23 @ 12:47	
Sample Matrix: Soil								
.....continued								
4,4'-DDT	0.0057		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Dieldrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan I	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan II	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan Sulfate	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin Aldehyde	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin ketone	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor Epoxide	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	08/02/23	IG
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	08/02/23	IG
[Surrogates]								
Tetrachloro-m-xylene	90		%REC	EPA 8081A/8082		50-150	08/02/23	IG
Decachlorobiphenyl	90		%REC	EPA 8081A/8082		50-150	08/02/23	IG
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		08/02/23	TLB
Antimony	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Barium	74.2		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Beryllium	1.07		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cadmium	3.02		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Chromium	22.4		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cobalt	9.06		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Copper	36.8		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Lead	7.38		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Molybdenum	<0.50		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Nickel	11.9		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Selenium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Silver	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Thallium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB

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CERTIFICATE OF ANALYSIS

2307-00220

HILLMANN GROUP
RYAN TERWILLIGER
 1745 W. ORANGEWOOD AVE.
 SUITE 201
 ORANGE, CA 92868
Project: 1006 W. LUGONIA AVE.

Date Reported 08/04/23
 Date Received 07/31/23
 Invoice No. 98877
 Cust # H080
 Permit Number
 Customer P.O. C3-9673

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 S-2					Date & Time Sampled:		07/31/23 @	12:47
Sample Matrix: Soil								
.....continued								
Vanadium	39.3		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Zinc	72.5		mg/Kg	EPA 6010B	1.0	5.0	08/02/23	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		08/02/23	KZ
Mercury	<0.042		mg/Kg	EPA 7471A	1.0	0.042	08/02/23	KZ
Sample: 003 S-3					Date & Time Sampled:		07/31/23 @	13:17
Sample Matrix: Soil								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		08/02/23	IG
Aldrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
alpha-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
beta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
delta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Technical Chlordane	<0.10		mg/Kg	EPA 8081A	1.0	0.10	08/02/23	IG
alpha-Chlordane	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-Chlordane	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDD	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDE	0.46		mg/Kg	EPA 8081A	10.0	0.0050	08/02/23	IG
4,4'-DDT	0.035		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Dieldrin	0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan I	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan II	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan Sulfate	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin Aldehyde	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin ketone	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor Epoxide	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	08/02/23	IG

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

Project: 1006 W. LUGONIA AVE.

Date Reported 08/04/23
Date Received 07/31/23
Invoice No. 98877
Cust # H080
Permit Number
Customer P.O. C3-9673

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 S-3 Sample Matrix: Soilcontinued							Date & Time Sampled: 07/31/23 @ 13:17	
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	08/02/23	IG
[Surrogates]								
Tetrachloro-m-xylene	97		%REC	EPA 8081A/8082		50-150	08/02/23	IG
Decachlorobiphenyl	83		%REC	EPA 8081A/8082		50-150	08/02/23	IG
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		08/02/23	TLB
Antimony	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Barium	65.2		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Beryllium	0.964		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cadmium	2.96		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Chromium	19.3		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cobalt	8.68		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Copper	31.6		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Lead	9.03		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Molybdenum	<0.50		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Nickel	11.3		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Selenium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Silver	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Thallium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Vanadium	33.9		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Zinc	89.6		mg/Kg	EPA 6010B	1.0	5.0	08/02/23	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		08/02/23	KZ
Mercury	<0.042		mg/Kg	EPA 7471A	1.0	0.042	08/02/23	KZ
Sample: 004 S-4 Sample Matrix: Soil							Date & Time Sampled: 07/31/23 @ 13:34	
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		08/02/23	IG
Aldrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG

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 ORANGE, CA 92868

Project: 1006 W. LUGONIA AVE.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 S-4							Date & Time Sampled: 07/31/23 @ 13:34	
Sample Matrix: Soil								
.....continued								
alpha-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
beta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
delta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Technical Chlordane	<0.10		mg/Kg	EPA 8081A	1.0	0.10	08/02/23	IG
alpha-Chlordane	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-Chlordane	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDD	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDE	0.17		mg/Kg	EPA 8081A	5.0	0.0050	08/02/23	IG
4,4'-DDT	0.034		mg/Kg	EPA 8081A	5.0	0.0050	08/02/23	IG
Dieldrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan I	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan II	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan Sulfate	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin Aldehyde	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin ketone	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor Epoxide	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	08/02/23	IG
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	08/02/23	IG
[Surrogates]								
Tetrachloro-m-xylene	96		%REC	EPA 8081A/8082		50-150	08/02/23	IG
Decachlorobiphenyl	91		%REC	EPA 8081A/8082		50-150	08/02/23	IG
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		08/02/23	TLB
Antimony	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Barium	117		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Beryllium	0.936		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cadmium	2.81		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB

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Cust # H080
Permit Number
Customer P.O. C3-9673

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

Project: 1006 W. LUGONIA AVE.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 S-4							Date & Time Sampled: 07/31/23 @ 13:34	
Sample Matrix: Soil								
.....continued								
Chromium	17.9		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cobalt	8.05		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Copper	28.7		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Lead	7.67		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Molybdenum	<0.50		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Nickel	10.3		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Selenium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Silver	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Thallium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Vanadium	33.6		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Zinc	76.4		mg/Kg	EPA 6010B	1.0	5.0	08/02/23	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		08/02/23	KZ
Mercury	<0.042		mg/Kg	EPA 7471A	1.0	0.042	08/02/23	KZ
Sample: 005 S-5							Date & Time Sampled: 07/31/23 @ 14:12	
Sample Matrix: Soil								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		08/02/23	IG
Aldrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
alpha-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
beta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
delta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Technical Chlordane	<0.10		mg/Kg	EPA 8081A	1.0	0.10	08/02/23	IG
alpha-Chlordane	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-Chlordane	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDD	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDE	0.12		mg/Kg	EPA 8081A	2.0	0.0050	08/02/23	IG
4,4'-DDT	0.012		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Dieldrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG

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ORANGE, CA 92868

Project: 1006 W. LUGONIA AVE.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 005 S-5							Date & Time Sampled: 07/31/23 @ 14:12	
Sample Matrix: Soil								
.....continued								
Endosulfan I	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan II	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan Sulfate	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin Aldehyde	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin ketone	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor Epoxide	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	08/02/23	IG
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	08/02/23	IG
[Surrogates]								
Tetrachloro-m-xylene	94		%REC	EPA 8081A/8082		50-150	08/02/23	IG
Decachlorobiphenyl	85		%REC	EPA 8081A/8082		50-150	08/02/23	IG
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		08/02/23	TLB
Antimony	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Barium	54.5		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Beryllium	0.938		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cadmium	2.78		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Chromium	18.4		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cobalt	7.97		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Copper	27.9		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Lead	8.95		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Molybdenum	<0.50		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Nickel	10.7		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Selenium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Silver	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Thallium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Vanadium	33.6		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Zinc	74.6		mg/Kg	EPA 6010B	1.0	5.0	08/02/23	TLB

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Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 005 S-5							Date & Time Sampled: 07/31/23 @ 14:12	
Sample Matrix: Soil								
.....continued								
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		08/02/23	KZ
Mercury	<0.042		mg/Kg	EPA 7471A	1.0	0.042	08/02/23	KZ
Sample: 006 S-6							Date & Time Sampled: 07/31/23 @ 14:33	
Sample Matrix: Soil								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		08/02/23	IG
Aldrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
alpha-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
beta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
delta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Technical Chlordane	<0.10		mg/Kg	EPA 8081A	1.0	0.10	08/02/23	IG
alpha-Chlordane	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-Chlordane	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDD	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDE	0.16		mg/Kg	EPA 8081A	2.0	0.0050	08/02/23	IG
4,4'-DDT	0.018		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Dieldrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan I	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan II	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan Sulfate	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin Aldehyde	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin ketone	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor Epoxide	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	08/02/23	IG
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	08/02/23	IG
[Surrogates]								

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CERTIFICATE OF ANALYSIS

2307-00220

Date Reported 08/04/23
Date Received 07/31/23
Invoice No. 98877
Cust # H080
Permit Number
Customer P.O. C3-9673

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

Project: 1006 W. LUGONIA AVE.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 006 S-6							Date & Time Sampled: 07/31/23 @ 14:33	
Sample Matrix: Soil								
.....continued								
Tetrachloro-m-xylene	85		%REC	EPA 8081A/8082		50-150	08/02/23	IG
Decachlorobiphenyl	84		%REC	EPA 8081A/8082		50-150	08/02/23	IG
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		08/02/23	TLB
Antimony	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Barium	59.5		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Beryllium	0.962		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cadmium	2.99		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Chromium	19.8		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cobalt	8.41		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Copper	30.6		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Lead	9.88		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Molybdenum	<0.50		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Nickel	11.2		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Selenium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Silver	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Thallium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Vanadium	34.3		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Zinc	80.0		mg/Kg	EPA 6010B	1.0	5.0	08/02/23	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		08/02/23	KZ
Mercury	<0.042		mg/Kg	EPA 7471A	1.0	0.042	08/02/23	KZ
Sample: 007 S-7							Date & Time Sampled: 07/31/23 @ 14:47	
Sample Matrix: Soil								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		08/02/23	IG
Aldrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
alpha-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
beta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG

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

Project: 1006 W. LUGONIA AVE.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 007 S-7							Date & Time Sampled: 07/31/23 @ 14:47	
Sample Matrix: Soil								
.....continued								
delta-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-BHC	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Technical Chlordane	<0.10		mg/Kg	EPA 8081A	1.0	0.10	08/02/23	IG
alpha-Chlordane	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
gamma-Chlordane	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDD	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDE	0.059		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
4,4'-DDT	0.023		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Dieldrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan I	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan II	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endosulfan Sulfate	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin Aldehyde	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Endrin ketone	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Heptachlor Epoxide	<0.0050		mg/Kg	EPA 8081A	1.0	0.0050	08/02/23	IG
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	08/02/23	IG
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	08/02/23	IG
[Surrogates]								
Tetrachloro-m-xylene	93		%REC	EPA 8081A/8082		50-150	08/02/23	IG
Decachlorobiphenyl	92		%REC	EPA 8081A/8082		50-150	08/02/23	IG
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		08/02/23	TLB
Antimony	1.09		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Barium	44.5		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Beryllium	0.886		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cadmium	2.61		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Chromium	16.9		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cobalt	7.44		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB

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

Project: 1006 W. LUGONIA AVE.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 007 S-7							Date & Time Sampled: 07/31/23 @ 14:47	
Sample Matrix: Soil								
.....continued								
Copper	29.2		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Lead	11.0		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Molybdenum	<0.50		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Nickel	10.1		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Selenium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Silver	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Thallium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Vanadium	32.6		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Zinc	68.0		mg/Kg	EPA 6010B	1.0	5.0	08/02/23	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		08/02/23	KZ
Mercury	<0.042		mg/Kg	EPA 7471A	1.0	0.042	08/02/23	KZ
Sample: 008 S-8							Date & Time Sampled: 07/31/23 @ 15:05	
Sample Matrix: Soil								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		08/02/23	IG
Aldrin	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
alpha-BHC	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
beta-BHC	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
delta-BHC	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
gamma-BHC	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Technical Chlordane	<0.20		mg/Kg	EPA 8081A	2.0	0.20	08/02/23	IG
alpha-Chlordane	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
gamma-Chlordane	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
4,4'-DDD	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
4,4'-DDE	0.069		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
4,4'-DDT	0.012		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Dieldrin	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Endosulfan I	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Endosulfan II	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG

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SUITE 201
ORANGE, CA 92868

Project: 1006 W. LUGONIA AVE.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 008 S-8							Date & Time Sampled: 07/31/23 @ 15:05	
Sample Matrix: Soil								
.....continued								
Endosulfan Sulfate	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Endrin	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Endrin Aldehyde	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Endrin ketone	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Heptachlor	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Heptachlor Epoxide	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Methoxychlor	<0.020		mg/Kg	EPA 8081A	2.0	0.020	08/02/23	IG
Toxaphene	<0.10		mg/Kg	EPA 8081A	2.0	0.10	08/02/23	IG
[Surrogates]								
Tetrachloro-m-xylene	86		%REC	EPA 8081A/8082		50-150	08/02/23	IG
Decachlorobiphenyl	77		%REC	EPA 8081A/8082		50-150	08/02/23	IG
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		08/02/23	TLB
Antimony	1.20		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Barium	55.8		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Beryllium	0.896		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cadmium	2.70		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Chromium	17.5		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cobalt	7.67		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Copper	28.6		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Lead	13.7		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Molybdenum	<0.50		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Nickel	10.3		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Selenium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Silver	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Thallium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Vanadium	33.0		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Zinc	77.5		mg/Kg	EPA 6010B	1.0	5.0	08/02/23	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		08/02/23	KZ

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Project: 1006 W. LUGONIA AVE.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 008 S-8 Sample Matrix: Soilcontinued							Date & Time Sampled: 07/31/23 @ 15:05	
Mercury	<0.042		mg/Kg	EPA 7471A	1.0	0.042	08/02/23	KZ
Sample: 009 S-9 Sample Matrix: Soil							Date & Time Sampled: 07/31/23 @ 13:57	
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		08/02/23	IG
Aldrin	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
alpha-BHC	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
beta-BHC	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
delta-BHC	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
gamma-BHC	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Technical Chlordane	<0.20		mg/Kg	EPA 8081A	2.0	0.20	08/02/23	IG
alpha-Chlordane	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
gamma-Chlordane	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
4,4'-DDD	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
4,4'-DDE	0.12		mg/Kg	EPA 8081A	2.0	0.0050	08/02/23	IG
4,4'-DDT	0.013		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Dieldrin	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Endosulfan I	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Endosulfan II	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Endosulfan Sulfate	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Endrin	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Endrin Aldehyde	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Endrin ketone	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Heptachlor	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Heptachlor Epoxide	<0.010		mg/Kg	EPA 8081A	2.0	0.010	08/02/23	IG
Methoxychlor	<0.020		mg/Kg	EPA 8081A	2.0	0.020	08/02/23	IG
Toxaphene	<0.10		mg/Kg	EPA 8081A	2.0	0.10	08/02/23	IG
[Surrogates]								
Tetrachloro-m-xylene	100		%REC	EPA 8081A/8082		50-150	08/02/23	IG
Decachlorobiphenyl	94		%REC	EPA 8081A/8082		50-150	08/02/23	IG

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www.arlaboratories.com

office@arlaboratories.com

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CERTIFICATE OF ANALYSIS

2307-00220

Date Reported 08/04/23
Date Received 07/31/23
Invoice No. 98877
Cust # H080
Permit Number
Customer P.O. C3-9673

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

Project: 1006 W. LUGONIA AVE.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 009 S-9							Date & Time Sampled: 07/31/23 @ 13:57	
Sample Matrix: Soil								
.....continued								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		08/02/23	TLB
Antimony	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Barium	58.6		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Beryllium	0.918		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cadmium	2.82		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Chromium	19.5		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Cobalt	7.61		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Copper	28.2		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Lead	9.83		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Molybdenum	<0.50		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Nickel	10.3		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Selenium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Silver	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Thallium	<1.0		mg/Kg	EPA 6010B	1.0	1.0	08/02/23	TLB
Vanadium	32.6		mg/Kg	EPA 6010B	1.0	0.50	08/02/23	TLB
Zinc	72.8		mg/Kg	EPA 6010B	1.0	5.0	08/02/23	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		08/02/23	KZ
Mercury	<0.042		mg/Kg	EPA 7471A	1.0	0.042	08/02/23	KZ

Respectfully Submitted:

Ken Zheng

Ken Zheng - Lab Director



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

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www.arlaboratories.com

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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



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QUALITY CONTROL DATA REPORT

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

2307-00220

Date Reported 08/04/2023
Date Received 07/31/2023
Date Sampled 07/31/2023
Invoice No. 98877
Customer # H080
Customer P.O. C3-9673

Project: 1006 W. LUGONIA AVE.

Method # EPA 6010B

QC Reference # 110931 **Date Analyzed:** 8/2/2023 **Technician:** TLB

Samples 001 002 003 004 005 006 007 008 009

Results

	LCS %REC	LCS %DUP	LCS %RPD	SPIKE %REC	SPIKE %DUP	SPIKE %RPD
Antimony	101	99	1.8	96	100	4.0
Arsenic	107	102	4.8	115	115	0.2
Barium	100	102	1.8	85	90	1.3
Beryllium	94	96	2.6	99	101	1.8
Cadmium	98	95	3.2	91	91	0.6
Chromium	103	106	3.0	97	99	1.4
Cobalt	100	97	3.4	91	92	0.8
Copper	103	99	3.7	97	98	0.6
Lead	100	96	3.4	88	89	0.3
Molybdenum	106	104	2.4	104	105	1.5
Nickel	99	95	3.9	88	89	0.2
Selenium	96	90	6.9	95	95	0.2
Silver	105	107	2.1	118	120	1.4
Thallium	115	114	0.6	97	100	3.6
Vanadium	103	106	2.9	97	101	1.9
Zinc	100	97	3.0	103	106	0.5

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

Method # EPA 7471A

QC Reference # 110962 **Date Analyzed:** 8/2/2023 **Technician:** KZ

Samples 001 002 003 004 005 006 007 008 009

Results

	LCS %REC	LCS %DUP	LCS %RPD	SPIKE %REC	SPIKE %DUP	SPIKE %RPD
Mercury	98	94	4	92	90	2

Control Ranges

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

Method # EPA 8081A

QC Reference # 110957 **Date Analyzed:** 8/2/2023 **Technician:** IG

Samples 001 002 003 004 005 006 007 008 009

Results

	LCS %REC	LCS %DUP	LCS %RPD
4,4'-DDT	90	110	20
Aldrin	110	99	11
Dieldrin	100	100	0
Endrin	110	110	0
gamma-BHC	100	90	10
Heptachlor	99	100	1

Control Ranges

LCS %REC	LCS %RPD
30 - 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 # 110957 **Date Analyzed:** 8/2/2023 **Technician:** IG

Samples 001 002 003 004 005 006 007 008 009



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 ONTARIO, CA 91761
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QUALITY CONTROL DATA REPORT

HILLMANN GROUP
 RYAN TERWILLIGER

2307-00220

Date Reported 08/04/2023
 Date Received 07/31/2023
 Date Sampled 07/31/2023

Project: 1006 W. LUGONIA AVE.

Method # EPA 8081A/8082
 QC Reference # 110957 Date Analyzed: 8/2/2023 Technician: IG
 Samples 001 002 003 004 005 006 007 008 009

Results

	BLKSRR%R EC
Decachlorobiphenyl	75
Tetrachloro-m-xylene	69

Control Ranges

BLKSRR%REC
50 - 150
50 - 150

No method blank results were above reporting limit

Respectfully Submitted:

Ken Zheng

Ken Zheng - President

AR LABORATORIES, Inc.

Chain of Custody Record

AR Lab Job # 2307-00 220

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

Page ____ of ____

Project No: C3-9673		Project Name: 1006 W.Lugonia Avenue		Please Circle Analyses Requested												Turn-Around Time <input type="checkbox"/> 24 Hr. RUSH* <input type="checkbox"/> 48 Hr. RUSH* <input checked="" type="checkbox"/> Normal TAT *Requires PRIOR approval, additional charges apply Requested due date: _____							
Project Manager: Kofi Bonner kbonner@hillmannconsulting.com		Phone: 714-634-9500		Fax:		8015M: Diesel, Fuel Screen, Carbon Chain 8015M: Gas only 8021B: BTEX/MBE Only 418.1 (TRPH), 413.2, 1664 GC or GCMS Volatiles by 5035* GCMS: 8260B, 8021B, 624, 524.2 GCMS: MIBE 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																	
Client Name: (Report and Billing) Hillmann Consulting LLC		Address: (Report and Billing) 1745 W. Orangewood Avenue, Suite 201 Orange, CA 92868																Remarks/Special Instructions					
Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type																	
1	S-1	07/31/23	12:19 PM	Soil	SB1-4	Glass																	
2	S-2	07/31/23	12:47 PM	Soil	SB5-8	Glass																	
3	S-3	07/31/23	1:17 PM	Soil	SB9-12	Glass																	
4	S-4	07/31/23	1:34 PM	Soil	SB13-16	Glass																	
5	S-5	07/31/23	2:12 PM	Soil	SB17-20	Glass																	
6	S-6	07/31/23	2:33 PM	Soil	SB21-24	Glass																	
7	S-7	07/31/23	2:47 PM	Soil	SB25-28	Glass																	
8	S-8	07/31/23	3:05 PM	Soil	SB29-32	Glass																	
9	S-9	07/31/23	1:57 PM	Soil	SB33-36	Glass																	
1) Relinquished by: (Sampler's Signature) <i>Kofi Bonner</i>		Date: 7/31/23	Time: 4:16 PM	3) Relinquished by: <i>[Signature]</i>		Date: 7/31/23	Time: 4:16 PM	To be completed by Laboratory personnel: Samples chilled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> From Field Custody seals? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No All sample containers intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Courier <input type="checkbox"/> UPS/Fed Ex <input type="checkbox"/> Hand carried												Sample Disposal <input type="checkbox"/> Client will pick up <input type="checkbox"/> Return to client <input type="checkbox"/> Lab disposal			
2) Received by:		Date:	Time:	4) Received 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.						5) Relinquished by:		Date:	Time:														
						6) Received for Laboratory by:		Date:	Time:														
Laboratory Notes:														Sample Locator No.									



Sample Acceptance Checklist

CLIENT: Hillmann

WORK ORDER NUMBER: 2367-220

Temperature: (Criteria: 0.0°C-6.0°C)

Sample Temp. (w/CF) °C(w/CF) 7.6 °C ID#: 22-0030

- Sample(s) outside temperature criteria: PM contacted by :
- Sample(s) outside temperature criteria, but received on ice/chilled on same day of sampling.
- Sample(s) received at ambient temperature; placed on ice for transport by courier.
 Ambient Temperature 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	<input checked="" type="checkbox"/>		
Were sample IDs present?	<input checked="" type="checkbox"/>		
Were sampling dates & times present?	<input checked="" type="checkbox"/>		
Was a relinquished signature present?	<input checked="" type="checkbox"/>		
Were the tests required clearly indicated?	<input checked="" type="checkbox"/>		
Were all samples sealed in plastic bags?			<input checked="" type="checkbox"/>
Did all bottle labels agree with COC? (ID, dates and times)	<input checked="" type="checkbox"/>		
Were correct containers used for the tests required?	<input checked="" type="checkbox"/>		
Was a sufficient amount of samples sent for tests indicated?	<input checked="" type="checkbox"/>		
Was there headspace in VOA vials?			<input checked="" type="checkbox"/>
Were the containers labeled with correct preservatives?			<input checked="" type="checkbox"/>

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: [Signature]

Date: 7/31/23