



LIMITED PHASE II SUBSURFACE INVESTIGATION REPORT



1400 EAST ARROW HIGHWAY, UPLAND, CALIFORNIA

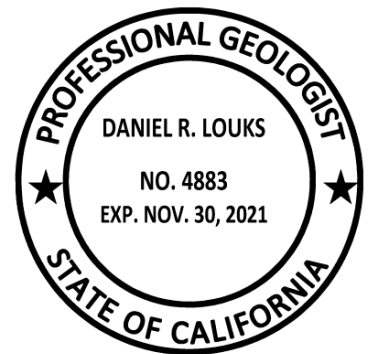
Prepared For:

Century Communities
4695 MacArthur Blvd, Suite 300
Newport Beach, CA 92660

Hillmann Project Number C3-8487
July 14, 2021

Written By:
Hillmann Consulting, LLC

Dan Louks
Professional Geologist 4883



Your Property. Our Priority.

1745 W. Orangewood Avenue, Suite 201, Orange, CA 92868
Telephone (714) 634-9500 Fax: (714) 634-9507 Toll free: (800) 232-4326
www.HillmannConsulting.com



July 14, 2021

Brian Taylor
Director of Forward Planning
Century Communities
4695 MacArthur Blvd, Suite 300
Newport Beach, CA 92660

RE: Limited Phase II Subsurface Investigation Report
1400 East Arrow Highway
Upland, California
Hillmann Project Number: C3-8487

Dear Mr. Taylor:

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 the Project Manager at 714-634-9500.

Very Truly Yours,
Hillmann Consulting, LLC

Brandon Clements
Partner; Western Regional Director

Your Property. Our Priority.

1745 W. Orangewood Avenue, Suite 201, Orange, CA 92868
Telephone (714) 634-9500 Fax: (714) 634-9507 Toll free: (800) 232-4326
www.HillmannConsulting.com

TABLE OF CONTENTS

1.0 INTRODUCTION / BACKGROUND 1
2.0 GEOLOGY/HYDROGEOLOGY 1
3.0 SITE INVESTIGATION 2
 3.1 Laboratory Results 3
4.0 CONCLUSIONS AND RECOMMENDATIONS 3
5.0 LIMITATIONS 4

LIST OF TABLES

- TABLE 1 - Summary of Soil Sampling Results
- TABLE 1A - Summary of Heavy Metal Results

- TABLE 2 - Summary of Soil Gas Sampling Results

LIST OF FIGURES

- FIGURE 1 - Site Vicinity Map

- FIGURE 2 - General Site Plan

LIST OF APPENDICES

- APPENDIX A - Site Photos

- APPENDIX B - Laboratory Reports

- APPENDIX C - Drilling Logs

- APPENDIX D - Soil Gas Monitoring Data

- APPENDIX E – GPR Report

1.0 INTRODUCTION / BACKGROUND

Hillmann Consulting, LLC (Hillmann) conducted a Limited Phase II Subsurface Investigation at 1400 East Arrow Highway, Upland, California. The Property occupies 4.93 acres and is located on the south side of East Arrow Highway about 725 feet west of Grove Avenue in a mixed used commercial/residential area of Upland (**Figure 1**). The Property is developed with four structures and multiple equipment canopies and storage sheds. The Property is occupied by Arrow Truss Company, a wooden truss manufacturer. The Property is being considered for redevelopment into residential use.

In May 2021, Hillmann conducted a Phase I Environmental Site Assessment at the site. Records indicate the site formerly maintained two 1,000 gallon underground storage tanks (USTs) that were used to store gasoline and diesel. The USTs were removed in the 1980s but no documentation of soil sampling after removal was identified. In addition, a railroad spur transects the northern portion of the Property. Railroad spurs can often be associated with the use of pesticides for weed control, which may have accumulated in rail bed area. In addition, historical and current operations of various machinery associated with the sawmill equipment utilize various oils, lubricants, and transmission fluids, and have contributed to stained pavement throughout the Property. These concerns were identified as recognized environmental conditions that justified preliminary subsurface investigation. Results of this investigation are presented in Hillmann's "*Phase I Environmental Site Assessment Report*" dated May 24, 2021.

In June 2021, Hillmann completed a Limited Phase II Subsurface Investigation at the Property that included soil and soil gas sampling in targeted locations across the site. The objective of this work was to determine if the recognized environmental conditions caused significant subsurface contamination that might impact the proposed change to a more sensitive residential use. The current investigation is an independent assessment of the site that was constrained by time and cost factors as part of a self-directed effort. The investigation included installation of 14 soil borings, 10 of them completed as soil gas sampling probes in targeted locations as well as a limited ground penetrating radar (GPR) investigation in the former tank areas. This investigation was not intended to meet the more stringent requirements of a regulatory driven assessment.

2.0 GEOLOGY/HYDROGEOLOGY

Based on the drilling logs, shallow soils beneath the site consist primarily of silty and sand with varying fractions of gravel in the upper 17 feet of section, the maximum depth of exploration. Deeper drilling was prevented by gravel and cobbles creating an adverse drilling condition. Groundwater was not encountered during drilling at the site. Groundwater is not expected in the upper 100 feet in this area of San Bernardino County. Descriptions of the sediments encountered during drilling are presented in the drilling logs (**Appendix C**).

3.0 SITE INVESTIGATION

On June 26, 2021, Hillmann installed 10 soil borings (HB1-HB10) to total depths ranging from 5 to 15 feet below grade in targeted positions across the site. Four additional soil borings (HB11-HB14) were also installed along the railroad spur to 1 foot below grade for soil sampling. The borings were installed using a direct hydraulic push GeoProbe type drilling rig. The locations of the borings are indicated on **Figure 2**.

During drilling, a California Professional Geologist described the soil using the Unified Soil Classification System. Soil samples were obtained at select intervals from each boring and were preserved for analysis in the acetate sleeves that were retrieved from the soil sampling tool and sealed with Teflon tape and plastic end caps. The samples from borings HB1-HB10 (installed in targeted positions across the Property) were analyzed for select potential contaminants of concern including carbon chain hydrocarbons corresponding to gasoline, diesel fuel, and oil weights (C4-C12, C13-C22, and C23-C40 ranges, respectively) by EPA Method 8015M, VOC by EPA Method 8260B, and heavy metals by EPA Method 6010B. The samples from borings HB11-HB14 (railroad spur) were analyzed for OCP by EPA Method 8081A and heavy metals. The soil samples were analyzed by A&R Laboratories of Ontario, California.

Borings HB1-HB10 were completed as soil gas sampling probes SG1-SG10 with sampling tips installed near maximum depth (5-15 feet below grade). The soil gas sampling probes consists of a plastic micro-porous vapor implants that are approximately 2 inches long with a 0.5-inch outside diameter, connected to 0.25-inch outside diameter Nylaflow tubing that extended above the surface. The annulus around each vapor implant was backfilled with approximately 1 foot of screen-washed #3 sand. Six inches of dry bentonite was placed immediately above the sand pack, followed by one-foot of bentonite that was hydrated during placement. The bentonite was further sealed with hydrated bentonite to grade to provide a secure borehole seal. The probes were finished with gas-tight fittings at the surface pending vapor purging and sampling.

The soil gas sampling probes were allowed to equilibrate for at least 48 hours before collecting vapor samples. Prior to vapor sampling, shut-in and leak tests were conducted on the probes. The probe head was attached to the sampling train assembly of Nylaflow tubing, valves, and fittings and connected to a purge pump. The pump was used to evacuate the sealed system using an applied vacuum of 100 inches of water column (in. WC). The vacuum on each probe was monitored for 90 seconds with the sampling train system sealed. After the shut-in test was validated, the sampling train was leak tested. Liquid isopropyl alcohol was applied around all connections in the sampling train to evaluate whether the system was sealed from ambient air leaks. A detection of 10 times the reporting limit of this compound might suggest that ambient air leakage had occurred.

The purpose of purging is to remove stagnant air from the vapor sampling train to ensure representative samples are obtained. The probes were purged using an adjustable vacuum pump set at 200 mL/minute. During purging, the soil gas was monitored for VOC, oxygen, and carbon dioxide content using a Mini-Rae 2000 multi gas detector to ensure that non-atmospheric formation air was being sampled (**Appendix D**).

After purging three volumes through the system, vapor samples were collected from the probes on June 29, 2021. During sampling, the purge pump was operated at 200 mL/minute, and the vacuum was monitored to ensure it was below 100 in. WC. Vacuum applied below this level helps ensure chemical partitioning from pore water to soil gas and the stress on the air seals are both minimized. The samples were containerized in Tedlar bags which were delivered to the laboratory for analysis. Fresh tubing was used on each sampling train between holes. The soil gas samples were tested for VOC using EPA Method 8260B by A&R Laboratories of Ontario, California.

A limited GPR investigation was conducted in the areas of the former tanks by SoCal Locators in an attempt to determine whether any underground storage tanks were still present at the Property.

3.1 Laboratory Results

Results from soil sampling indicated just one of the 15 samples analyzed had detectable concentrations of petroleum hydrocarbons with 2.1 mg/Kg gasoline range hydrocarbons detected in sample HB7-1. The detected concentration was compared to the Regional Screening Levels (RSLs) for soil which are based on human health risk factors for residential and commercial settings and are commonly used as screening tools. This detection does not approach the most conservative residential screening level for petroleum hydrocarbons in soil (82 mg/Kg). The results from VOC analysis (UST samples) and OCP analysis (railroad spur) indicated none was detected. The results from heavy metal analysis indicated low concentrations of heavy metals, none greater than current residential screening levels. The soil sampling results are summarized in **Table 1**, and in **Table 1A** (heavy metals). The laboratory report from soil sampling is included in **Appendix B**.

Results from soil gas sampling indicated five samples had detectable VOC with very low concentrations of PCE and toluene detected. The maximum concentrations were 0.0067 ug/L for PCE in sample SG9, and 0.010 ug/L toluene in sample SG1. The detected concentrations were compared to the Regional Screening Levels (RSLs) for soil gas which are based on human health risk factors for residential and commercial settings and are commonly used as screening tools. The screening criteria uses defined indoor air concentrations based on human health risk factors that are modified using attenuation factors provided by EPA (0.03) and DTSC (0.002). DTSC policy on which attenuation factor to use is currently under review, but our understanding is that the current accepted screening levels for residential applications for PCE is 0.23 ug/L and for toluene is 155 ug/L. The more stringent screening levels if applied would be 0.015 ug/L for PCE and 10.33 ug/L for toluene. None of the detected concentrations approaches these very conservative screening criteria indicating no significant vapor intrusion threat for residential applications. These results are summarized in **Table 2**. The laboratory report from soil gas sampling is included in **Appendix B**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The subject site is operated by a wooden truss manufacturer that utilizes heavy equipment and machinery and formerly maintained USTs. In addition, the site maintains a railroad spur that transects the northern portion of the Property. The site is being considered for redevelopment

with residential use. Given these site features and the proposed change to a more sensitive use, a preliminary subsurface investigation was recommended.

In June 2021, Hillmann installed 14 soil borings, 10 of them completed as soil gas sampling probes in targeted locations across the site including immediately adjacent to the former UST, near heavy oil lubricated equipment zones and adjacent to a railroad spur along the northern portion of the Property. The results from soil sampling indicated one sample had insignificant concentrations of petroleum hydrocarbons with 2.1 ug/L gasoline-range hydrocarbons, well below the residential screening level of 82 mg/Kg for residential use. None of the soil samples had detectable concentrations of VOC or pesticides, and none had heavy metal concentrations greater than current residential screening levels. The results from soil gas sampling indicated 5 samples had very low concentrations of PCE or toluene, none greater than current or proposed residential screening levels, indicating no significant vapor intrusion threat.

A limited GPR investigation in the former tank areas indicated no evidence of USTs remaining at the Property.

Based on these results we recommend no further action.

5.0 LIMITATIONS

This Subsurface Investigation was performed in accordance with generally and currently accepted engineering practices and principles; however, the procedures and methodologies used in this investigation are not intended to meet all specific regulatory guidelines as this work was completed as a self-directed effort. 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 Soil Sampling Results (mg/Kg)

Sample ID	Heavy Metals Above Screening Levels	VOC	OCP	TPHg C4-C12	TPHd C13-C22	TPH-Oil C23-C40
Sampled June 26, 2021						
HB1-10	--	ND	--	ND<0.20	ND<10	ND<20
HB1-15	--	ND	--	ND<0.20	ND<10	ND<20
HB2-10	--	ND	--	ND<0.20	ND<10	ND<20
HB3-10	--	ND	--	ND<0.20	ND<10	ND<20
HB4-10	--	--	--	ND<0.20	ND<10	ND<20
HB5-1	None	--	--	ND<0.20	ND<10	ND<20
HB6-1	None	--	--	ND<0.20	ND<10	ND<20
HB7-1	None	--	--	2.1	ND<10	ND<20
HB8-1	None	--	--	ND<0.20	ND<10	ND<20
HB9-1	None	--	--	ND<0.20	ND<10	ND<20
HB10-1	None	--	--	--	--	--
HB11-1	None	--	ND	--	--	--
HB12-1	None	--	ND	--	--	--
HB13-1	None	--	ND	--	--	--
HB14-1	None	--	ND	--	--	--
Residential RSL	--	--	--	82	82	82
Commercial RSL	--	--	--	420	420	420

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. The RSL levels for total petroleum hydrocarbons are divided into six non-descript categories that depend on the relative speciation of aromatic and aliphatic hydrocarbons in the source contaminant. The most conservative screening level for petroleum hydrocarbons used. Please refer to lab report for complete results.

TABLE 1A
Summary of Heavy Metal Results (mg/Kg)

Sample ID	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Vanadium	Zinc
HB5-1	ND<1	163	ND<0.5	26.6	8.75	15.4	1.83	10.0	74.4	44.9
HB6-1	ND<1	80.4	ND<0.5	14.9	4.75	7.26	1.03	5.01	40.6	23.0
HB7-1	ND<1	213	ND<0.5	23.7	7.59	26.2	ND<0.5	8.05	57.6	31.1
HB8-1	ND<1	154	ND<0.5	26.3	8.12	14.5	1.77	9.94	70.8	14.8
HB9-1	ND<1	143	ND<0.5	23.3	7.82	13.1	1.61	8.70	67.8	39.9
HB10-1	ND<1	40.3	ND<0.5	16.9	2.43	5.05	1.46	3.38	19.2	19.7
HB11-1	ND<1	119	ND<0.5	22.1	6.14	15.3	3.50	8.82	51.0	53.9
HB12-1	ND<1	56.3	ND<0.5	10.3	3.09	5.15	1.12	3.70	28.8	20.6
HB13-1	ND<1	67.9	ND<0.5	14.6	4.18	8.24	1.70	5.12	34.5	45.2
HB14-1	ND<1	134	ND<0.5	26.2	7.87	13.5	1.49	9.30	67.9	42.1
Residential RSL	0.11	15,000	5.2*	36,000	23	3,100	80*	490*	390*	23,000
Industrial RSL	0.36	220,000	7.3*	170,000	350	47,000	320*	3,100*	1,000*	350,000
DTSC Bkgrnd	12	--	--	--	--	--	--	--	--	--

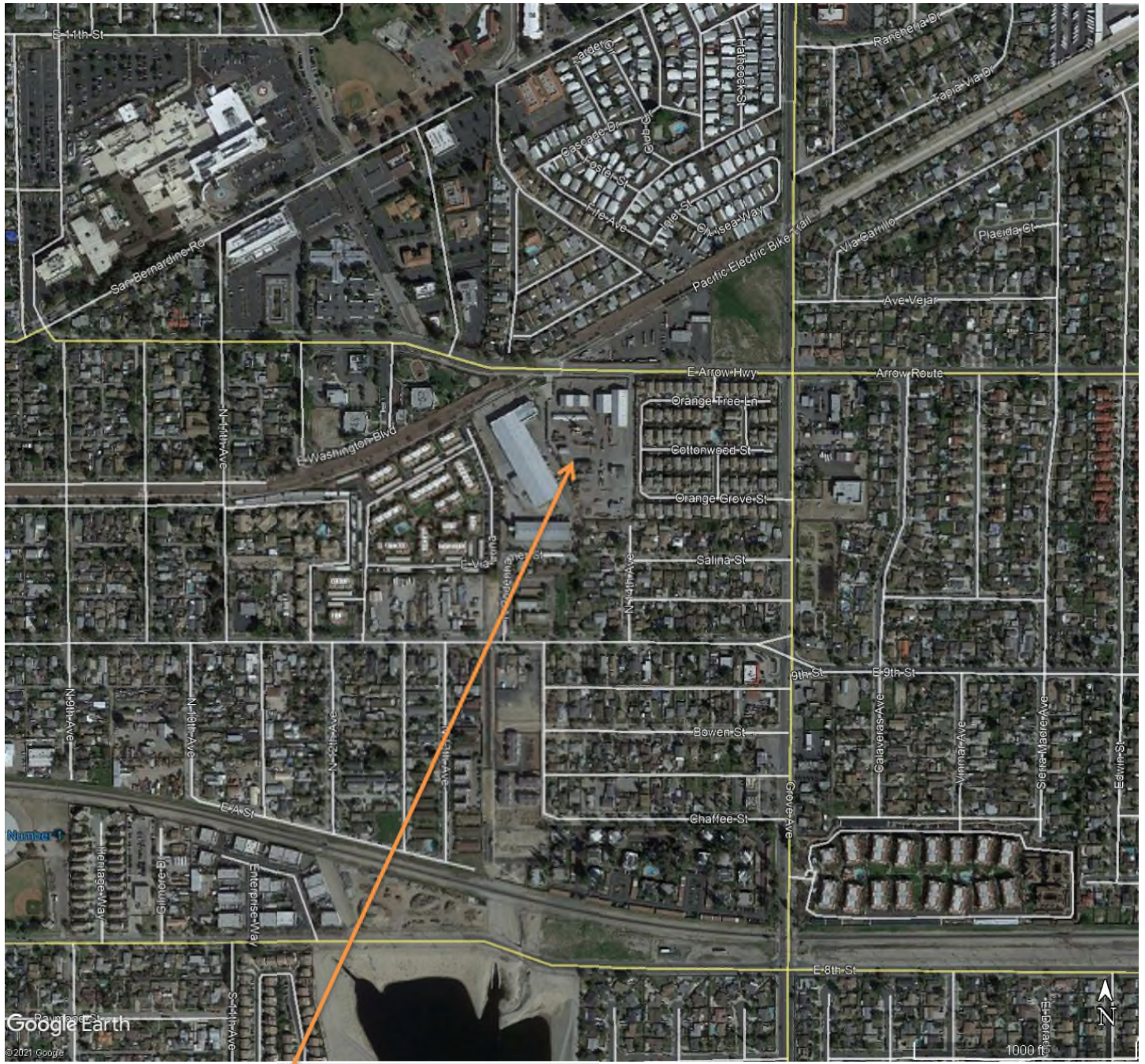
Notes: Some samples had detectable concentrations of molybdenum (maximum of 3.15 mg/Kg) or antimony (maximum of 1.30 mg/Kg), none above residential screening levels. ND - Not Detected. EPA Regional Screening Levels (RSLs) are human health risk based screening levels used by EPA and DTSC in residential 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 HERO Note 3. Please refer to lab report for complete results.

TABLE 2
Summary of Soil Gas Sampling Results (ug/L)

Sample ID	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	PCE	Other VOC
Sampled June 29, 2021							
SG1-15	ND<0.005	0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
SG2-10	ND<0.005	0.0073	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
SG3-10	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
SG4-8	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
SG5-5	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
SG6-5	ND<0.005	0.0056	ND<0.005	ND<0.005	ND<0.005	0.005	ND
SG7-5	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
SG8-5	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
SG9-5	ND<0.005	0.0067	ND<0.005	ND<0.005	ND<0.005	0.0067	ND
SG10-5	ND<0.005	0.0057	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
Residential RSL AF=0.03	0.003*	10.33*	0.037	3.33	0.016	0.015*	--
Residential RSL AF=0.002	0.0485*	155*	0.55	50	0.24	0.23*	--

Notes: ND - Not Detected. EPA Regional Screening Levels (RSLs) are human health risk based screening levels used by EPA and DTSC to determine Health Risk in residential and commercial settings. *-Values modified for California by DTSC HERO Note 3. Screening levels for soil gas calculated using indoor air values and attenuation factor provided by EPA (0.03) and DTSC (0.002). Please refer to lab report for complete results.

FIGURES

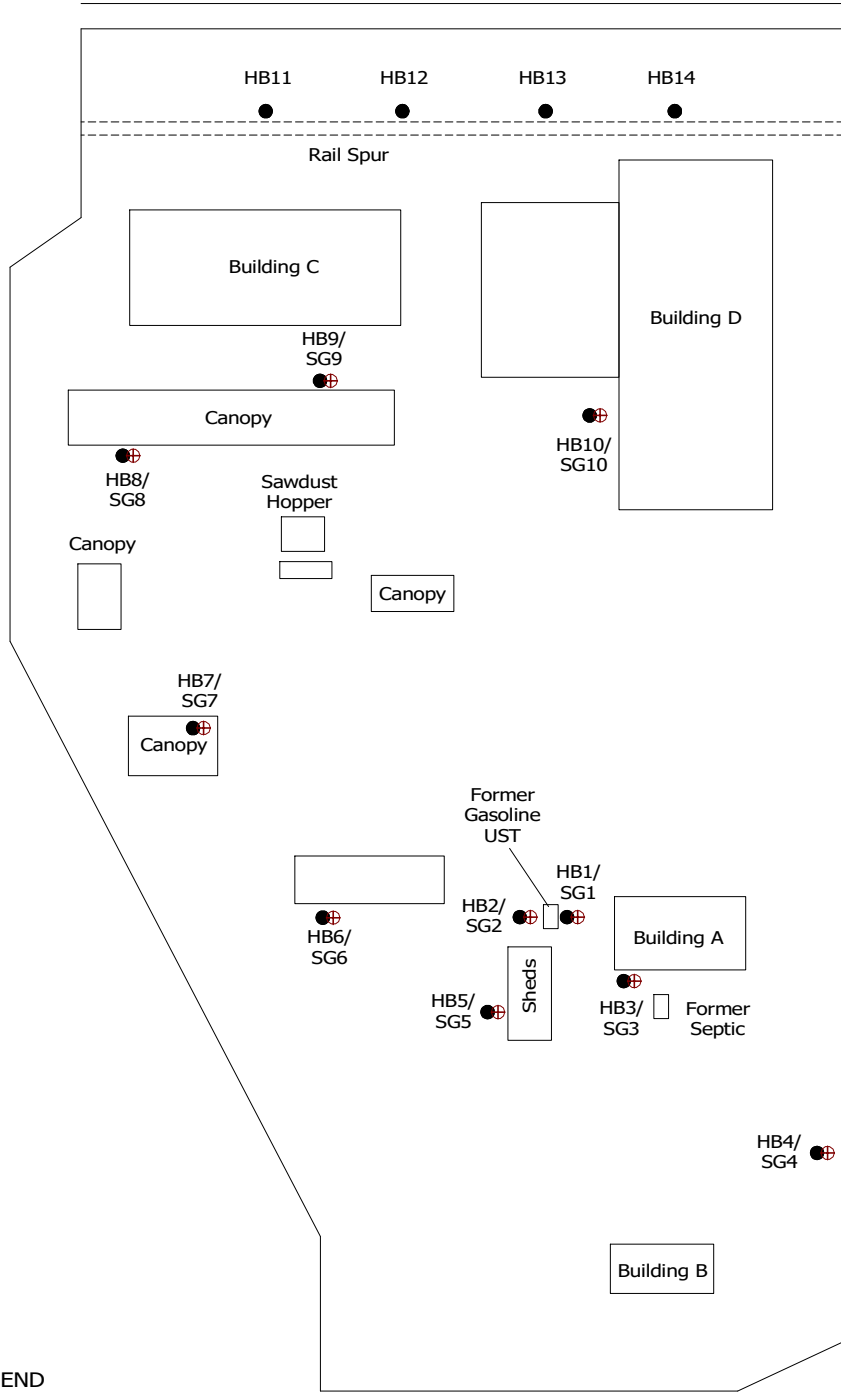


SITE

FIGURE 1

SITE VICINITY MAP
COMMERCIAL PROPERTY
1400 East Arrow Highway
Upland, California

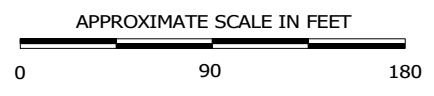
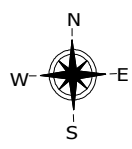
EAST ARROW HIGHWAY



LEGEND

- Soil Borings
- ⊕ Soil Gas Probes

FIGURE 2
 GENERAL SITE PLAN
 COMMERCIAL PROPERTY
 1400 East Arrow Highway
 Upland, California



APPENDIX A

Site Photos



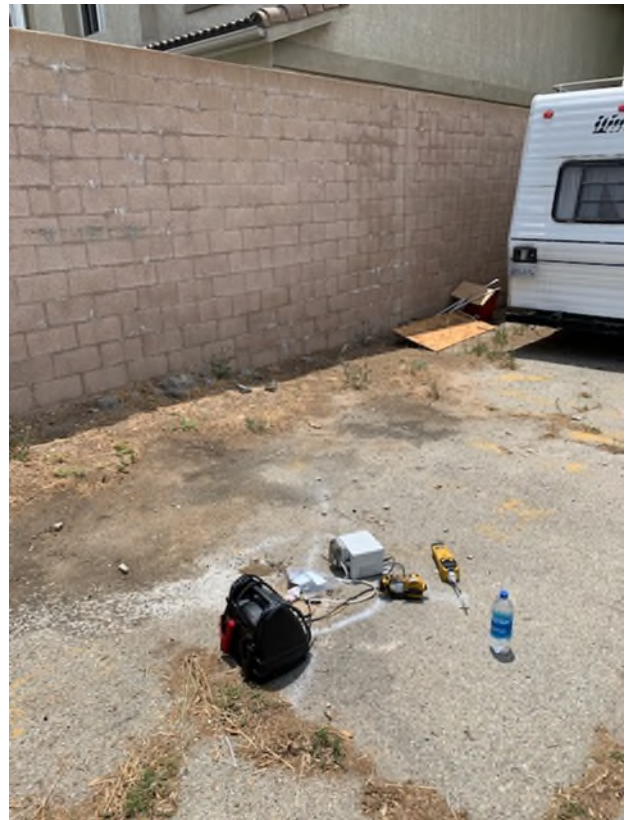
SG1



SG2



SG3



SG4



SG5



SG6



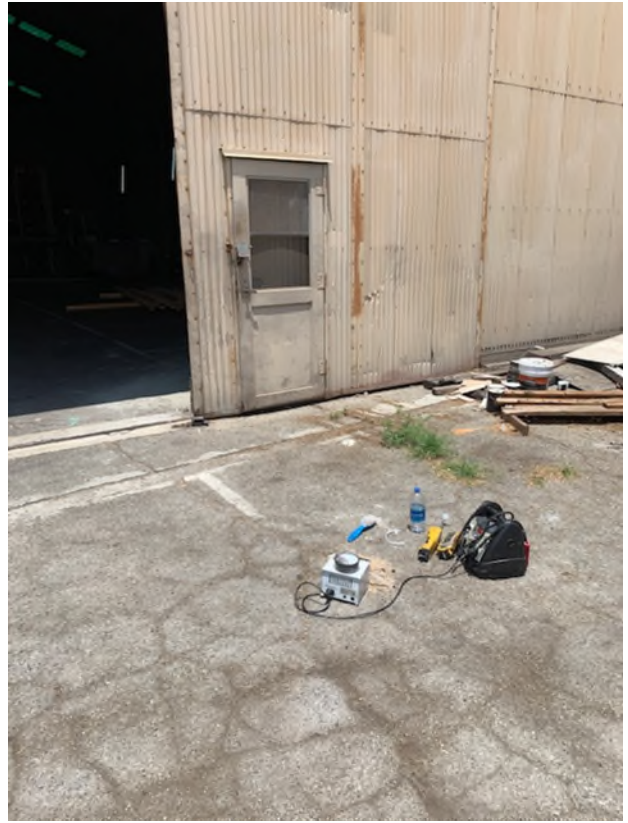
SG7



SG8



SG9



SG10

APPENDIX B

Laboratory Reports



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CASE NARRATIVE

Authorized Signature Name / Title (print)

Ken Zheng, President

Signature / Date

Ken Zheng, President
06/30/2021 19:05:28

Laboratory Job No. (Certificate of Analysis No.)

2106-00241

Project Name / No.

ARROW TRUSS

Dates Sampled (from/to)

06/26/21 To 06/26/21

Dates Received (from/to)

06/26/21 To 06/26/21

Dates Reported (from/to)

06/30/21 To 6/30/2021

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)

Sample	Analyte	Result	Qual Units	RL	Result	Qual Units	RL
HB7-1.0	C4-C12	2.1	mg/Kg	0.20			



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 HB1-10							Date & Time Sampled: 06/26/21 @ 8:20	
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		06/29/21	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	06/29/21	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		06/28/21	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	06/29/21	SR
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	06/29/21	SR
[Surrogate]								
o-Terphenyl (OTP)	145		%REC	EPA 8015M		50-150	06/29/21	SR
[VOCs by GCMS]								
Closed System P&T VOC Soil	Complete			EPA 5035	1.0		06/29/21	SR
Acetone	<0.10		mg/Kg	EPA 8260B	1.0	0.10	06/29/21	SR
t-Amyl Methyl Ether (TAME)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Benzene	<0.0040		mg/Kg	EPA 8260B	1.0	0.0040	06/29/21	SR
Bromobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromochloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromodichloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
t-Butanol (TBA)	<0.0625		mg/Kg	EPA 8260B	1.0	0.0625	06/29/21	SR
2-Butanone (MEK)	<0.0313		mg/Kg	EPA 8260B	1.0	0.0313	06/29/21	SR
n-Butylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
sec-Butylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
tert-Butylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.010		mg/Kg	EPA 8260B	1.0	0.010	06/29/21	SR
Carbon Tetrachloride	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
2-Chlorotoluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
4-Chlorotoluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 HB1-10							Date & Time Sampled: 06/26/21 @ 8:20	
Sample Matrix: Soil								
.....continued								
Dibromochloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dibromo-3-Chloropropane	<0.010		mg/Kg	EPA 8260B	1.0	0.010	06/29/21	SR
Dibromomethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,3-Dichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,4-Dichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1-Dichloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0020		mg/Kg	EPA 8260B	1.0	0.0020	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,3-Dichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
2,2-Dichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1-Dichloropropene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Diisopropyl Ether (DiPE)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Ethyl-t-Butyl Ether (EtBE)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
2-Hexanone	<0.0313		mg/Kg	EPA 8260B	1.0	0.0313	06/29/21	SR
Isopropylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
4-Isopropyltoluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Methylene Chloride	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.0313		mg/Kg	EPA 8260B	1.0	0.0313	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Naphthalene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
n-Propylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 HB1-10							Date & Time Sampled: 06/26/21 @ 8:20	
Sample Matrix: Soil								
.....continued								
Styrene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,1,2-Tetrachloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,2,2-Tetrachloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Tetrachloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Toluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,3-Trichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,4-Trichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,1-Trichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Trichloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,3-Trichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Trichlorofluoromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Vinyl Chloride	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
[VOC Surrogates]								
Dibromofluoromethane	116		%REC	EPA 8260B		70-130	06/29/21	SR
Toluene-D8	113		%REC	EPA 8260B		70-130	06/29/21	SR
Bromofluorobenzene	85		%REC	EPA 8260B		70-130	06/29/21	SR
Sample: 002 HB1-15							Date & Time Sampled: 06/26/21 @ 8:30	
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		06/29/21	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	06/29/21	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		06/28/21	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 HB1-15							Date & Time Sampled: 06/26/21 @ 8:30	
Sample Matrix: Soil								
.....continued								
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	06/29/21	SR
[Surrogate]								
o-Terphenyl (OTP)	135		%REC	EPA 8015M		50-150	06/29/21	SR
[VOCs by GCMS]								
Closed System P&T VOC Soil	Complete			EPA 5035	1.0		06/29/21	SR
Acetone	<0.10		mg/Kg	EPA 8260B	1.0	0.10	06/29/21	SR
t-Amyl Methyl Ether (TAME)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Benzene	<0.0040		mg/Kg	EPA 8260B	1.0	0.0040	06/29/21	SR
Bromobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromochloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromodichloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
t-Butanol (TBA)	<0.0625		mg/Kg	EPA 8260B	1.0	0.0625	06/29/21	SR
2-Butanone (MEK)	<0.0313		mg/Kg	EPA 8260B	1.0	0.0313	06/29/21	SR
n-Butylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
sec-Butylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
tert-Butylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.010		mg/Kg	EPA 8260B	1.0	0.010	06/29/21	SR
Carbon Tetrachloride	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
2-Chlorotoluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
4-Chlorotoluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Dibromochloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dibromo-3-Chloropropane	<0.010		mg/Kg	EPA 8260B	1.0	0.010	06/29/21	SR
Dibromomethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 HB1-15							Date & Time Sampled: 06/26/21 @ 8:30	
Sample Matrix: Soil								
.....continued								
1,3-Dichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,4-Dichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1-Dichloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0020		mg/Kg	EPA 8260B	1.0	0.0020	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,3-Dichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
2,2-Dichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1-Dichloropropene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Diisopropyl Ether (DiPE)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Ethyl-t-Butyl Ether (EtBE)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
2-Hexanone	<0.0313		mg/Kg	EPA 8260B	1.0	0.0313	06/29/21	SR
Isopropylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
4-Isopropyltoluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Methylene Chloride	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.0313		mg/Kg	EPA 8260B	1.0	0.0313	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Naphthalene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
n-Propylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Styrene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,1,2-Tetrachloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,2,2-Tetrachloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Tetrachloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Toluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 HB1-15							Date & Time Sampled: 06/26/21 @ 8:30	
Sample Matrix: Soil								
.....continued								
1,2,3-Trichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,4-Trichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,1-Trichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Trichloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,3-Trichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Trichlorofluoromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Vinyl Chloride	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
[VOC Surrogates]								
Dibromofluoromethane	123		%REC	EPA 8260B		70-130	06/29/21	SR
Toluene-D8	113		%REC	EPA 8260B		70-130	06/29/21	SR
Bromofluorobenzene	114		%REC	EPA 8260B		70-130	06/29/21	SR
Sample: 003 HB2-10							Date & Time Sampled: 06/26/21 @ 9:10	
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		06/29/21	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	06/29/21	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		06/28/21	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	06/29/21	SR
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	06/29/21	SR
[Surrogate]								
o-Terphenyl (OTP)	163		%REC	EPA 8015M		50-150	06/29/21	SR
[VOCs by GCMS]								
Closed System P&T VOC Soil	Complete			EPA 5035	1.0		06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 HB2-10							Date & Time Sampled: 06/26/21 @ 9:10	
Sample Matrix: Soil								
.....continued								
Acetone	<0.10		mg/Kg	EPA 8260B	1.0	0.10	06/29/21	SR
t-Amyl Methyl Ether (TAME)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Benzene	<0.0040		mg/Kg	EPA 8260B	1.0	0.0040	06/29/21	SR
Bromobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromochloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromodichloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
t-Butanol (TBA)	<0.0625		mg/Kg	EPA 8260B	1.0	0.0625	06/29/21	SR
2-Butanone (MEK)	<0.0313		mg/Kg	EPA 8260B	1.0	0.0313	06/29/21	SR
n-Butylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
sec-Butylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
tert-Butylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.010		mg/Kg	EPA 8260B	1.0	0.010	06/29/21	SR
Carbon Tetrachloride	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
2-Chlorotoluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
4-Chlorotoluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Dibromochloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dibromo-3-Chloropropane	<0.010		mg/Kg	EPA 8260B	1.0	0.010	06/29/21	SR
Dibromomethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,3-Dichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,4-Dichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 HB2-10							Date & Time Sampled: 06/26/21 @ 9:10	
Sample Matrix: Soil								
.....continued								
1,1-Dichloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0020		mg/Kg	EPA 8260B	1.0	0.0020	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,3-Dichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
2,2-Dichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1-Dichloropropene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Diisopropyl Ether (DiPE)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Ethyl-t-Butyl Ether (EtBE)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
2-Hexanone	<0.0313		mg/Kg	EPA 8260B	1.0	0.0313	06/29/21	SR
Isopropylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
4-Isopropyltoluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Methylene Chloride	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.0313		mg/Kg	EPA 8260B	1.0	0.0313	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Naphthalene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
n-Propylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Styrene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,1,2-Tetrachloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,1,2,2-Tetrachloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Tetrachloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Toluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,3-Trichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,4-Trichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,1-Trichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Trichloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 HB2-10							Date & Time Sampled: 06/26/21 @ 9:10	
Sample Matrix: Soil								
.....continued								
1,2,3-Trichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Trichlorofluoromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Vinyl Chloride	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
[VOC Surrogates]								
Dibromofluoromethane	121		%REC	EPA 8260B		70-130	06/29/21	SR
Toluene-D8	115		%REC	EPA 8260B		70-130	06/29/21	SR
Bromofluorobenzene	117		%REC	EPA 8260B		70-130	06/29/21	SR
Sample: 004 HB3-10							Date & Time Sampled: 06/26/21 @ 9:40	
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		06/29/21	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	06/29/21	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		06/28/21	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	06/29/21	SR
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	06/29/21	SR
[Surrogate]								
o-Terphenyl (OTP)	169		%REC	EPA 8015M		50-150	06/29/21	SR
[VOCs by GCMS]								
Closed System P&T VOC Soil	Complete			EPA 5035	1.0		06/29/21	SR
Acetone	<0.10		mg/Kg	EPA 8260B	1.0	0.10	06/29/21	SR
t-Amyl Methyl Ether (TAME)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Benzene	<0.0040		mg/Kg	EPA 8260B	1.0	0.0040	06/29/21	SR
Bromobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromochloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21

Date Received 06/26/21

Invoice No. 92202

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 HB3-10							Date & Time Sampled: 06/26/21 @ 9:40	
Sample Matrix: Soil								
.....continued								
Bromodichloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
t-Butanol (TBA)	<0.0625		mg/Kg	EPA 8260B	1.0	0.0625	06/29/21	SR
2-Butanone (MEK)	<0.0313		mg/Kg	EPA 8260B	1.0	0.0313	06/29/21	SR
n-Butylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
sec-Butylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
tert-Butylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.010		mg/Kg	EPA 8260B	1.0	0.010	06/29/21	SR
Carbon Tetrachloride	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
2-Chlorotoluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
4-Chlorotoluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Dibromochloromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dibromo-3-Chloropropane	<0.010		mg/Kg	EPA 8260B	1.0	0.010	06/29/21	SR
Dibromomethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,3-Dichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,4-Dichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1-Dichloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0020		mg/Kg	EPA 8260B	1.0	0.0020	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2-Dichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,3-Dichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 HB3-10							Date & Time Sampled: 06/26/21 @ 9:40	
Sample Matrix: Soil								
.....continued								
2,2-Dichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1-Dichloropropene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Diisopropyl Ether (DiPE)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Ethyl-t-Butyl Ether (EtBE)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
2-Hexanone	<0.0313		mg/Kg	EPA 8260B	1.0	0.0313	06/29/21	SR
Isopropylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
4-Isopropyltoluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Methylene Chloride	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.0313		mg/Kg	EPA 8260B	1.0	0.0313	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Naphthalene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
n-Propylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Styrene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,1,2-Tetrachloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,1,2,2-Tetrachloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Tetrachloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Toluene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,3-Trichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,4-Trichlorobenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,1-Trichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Trichloroethene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,3-Trichloropropane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Trichlorofluoromethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 HB3-10 Sample Matrix: Soilcontinued							Date & Time Sampled: 06/26/21 @ 9:40	
Vinyl Chloride	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		mg/Kg	EPA 8260B	1.0	0.0050	06/29/21	SR
[VOC Surrogates]								
Dibromofluoromethane	123		%REC	EPA 8260B		70-130	06/29/21	SR
Toluene-D8	113		%REC	EPA 8260B		70-130	06/29/21	SR
Bromofluorobenzene	115		%REC	EPA 8260B		70-130	06/29/21	SR
Sample: 005 HB4-10 Sample Matrix: Soil							Date & Time Sampled: 06/26/21 @ 10:30	
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		06/29/21	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	06/29/21	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		06/28/21	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	06/29/21	SR
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	06/29/21	SR
[Surrogate]								
o-Terphenyl (OTP)	162		%REC	EPA 8015M		50-150	06/29/21	SR
Sample: 006 HB5-1.0 Sample Matrix: Soil							Date & Time Sampled: 06/26/21 @ 10:45	
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		06/29/21	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	06/29/21	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		06/28/21	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	06/29/21	SR
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	06/29/21	SR
[Surrogate]								
o-Terphenyl (OTP)	141		%REC	EPA 8015M		50-150	06/29/21	SR
[Metals Title 22 no Hg]								

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 006 HB5-1.0							Date & Time Sampled: 06/26/21 @ 10:45	
Sample Matrix: Soil								
.....continued								
Metals Acid Digestion	Complete			EPA 3050B	1.0		06/30/21	TLB
Antimony	1.30		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Barium	163		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Chromium	26.6		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cobalt	8.75		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Copper	15.4		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Lead	1.83		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Nickel	10.0		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Vanadium	74.4		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Zinc	44.9		mg/Kg	EPA 6010B	1.0	5.00	06/30/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		06/28/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	06/28/21	KZ
Sample: 007 HB6-1.0							Date & Time Sampled: 06/26/21 @ 11:00	
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		06/29/21	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	06/29/21	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		06/28/21	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	06/29/21	SR
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	06/29/21	SR
[Surrogate]								

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 007 HB6-1.0							Date & Time Sampled: 06/26/21 @ 11:00	
Sample Matrix: Soil								
.....continued								
o-Terphenyl (OTP)	179		%REC	EPA 8015M		50-150	06/29/21	SR
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		06/30/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Barium	80.4		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Chromium	14.9		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cobalt	4.75		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Copper	7.26		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Lead	1.03		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Nickel	5.01		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Vanadium	40.6		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Zinc	23.0		mg/Kg	EPA 6010B	1.0	5.00	06/30/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		06/28/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	06/28/21	KZ
Sample: 008 HB7-1.0							Date & Time Sampled: 06/26/21 @ 11:15	
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		06/29/21	SR
C4-C12	2.1		mg/Kg	LUFT GC/MS	1.0	0.20	06/29/21	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		06/28/21	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 008 HB7-1.0							Date & Time Sampled: 06/26/21 @ 11:15	
Sample Matrix: Soil								
.....continued								
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	06/29/21	SR
[Surrogate]								
o-Terphenyl (OTP)	149		%REC	EPA 8015M		50-150	06/29/21	SR
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		06/30/21	TLB
Antimony	1.14		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Barium	213		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Chromium	23.7		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cobalt	7.59		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Copper	26.2		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Lead	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Molybdenum	1.22		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Nickel	8.05		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Vanadium	57.6		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Zinc	31.1		mg/Kg	EPA 6010B	1.0	5.00	06/30/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		06/28/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	06/28/21	KZ
Sample: 009 HB8-1.0							Date & Time Sampled: 06/26/21 @ 11:30	
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		06/29/21	SR
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	06/29/21	SR
[Extractable Hydrocarbons]								

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 009 HB8-1.0							Date & Time Sampled: 06/26/21 @ 11:30	
Sample Matrix: Soil								
.....continued								
Extraction	Complete			EPA 3550B	1.0		06/28/21	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	06/29/21	SR
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	06/29/21	SR
[Surrogate]								
o-Terphenyl (OTP)	117		%REC	EPA 8015M		50-150	06/29/21	SR
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		06/30/21	TLB
Antimony	1.23		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Barium	154		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Chromium	26.3		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cobalt	8.12		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Copper	14.5		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Lead	1.77		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Nickel	9.94		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Vanadium	70.8		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Zinc	14.8		mg/Kg	EPA 6010B	1.0	5.00	06/30/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		06/28/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	06/28/21	KZ
Sample: 010 HB9-1.0							Date & Time Sampled: 06/26/21 @ 11:45	
Sample Matrix: Soil								
[TPH Gasoline (C4-C12)]								
Closed System P&T TPHg Soil	Complete			EPA 5035	1.0		06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 010 HB9-1.0							Date & Time Sampled: 06/26/21 @ 11:45	
Sample Matrix: Soil								
.....continued								
C4-C12	<0.20		mg/Kg	LUFT GC/MS	1.0	0.20	06/29/21	SR
[Extractable Hydrocarbons]								
Extraction	Complete			EPA 3550B	1.0		06/28/21	SR
C13-C22	<10		mg/Kg	EPA 8015M	1.0	10	06/29/21	SR
C23-C40	<20		mg/Kg	EPA 8015M	1.0	20	06/29/21	SR
[Surrogate]								
o-Terphenyl (OTP)	103		%REC	EPA 8015M		50-150	06/29/21	SR
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		06/30/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Barium	143		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Chromium	23.3		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cobalt	7.82		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Copper	13.1		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Lead	1.61		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Nickel	8.70		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Vanadium	67.8		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Zinc	39.9		mg/Kg	EPA 6010B	1.0	5.00	06/30/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		06/28/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	06/28/21	KZ

Sample: 011 **HB10-1.0**

Sample Matrix: **Soil**

Date & Time Sampled: 06/26/21 @ 12:00



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 011 HB10-1.0					Date & Time Sampled:		06/26/21 @ 12:00	
Sample Matrix: Soil								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		06/30/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Barium	40.3		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Chromium	16.9		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cobalt	2.43		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Copper	5.05		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Lead	1.46		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Molybdenum	3.15		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Nickel	3.38		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Vanadium	19.2		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Zinc	19.7		mg/Kg	EPA 6010B	1.0	5.00	06/30/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		06/28/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	06/28/21	KZ
Sample: 012 HB11-1					Date & Time Sampled:		06/26/21 @ 8:20	
Sample Matrix: Soil								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		06/30/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Barium	119		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Chromium	22.1		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 012 HB11-1							Date & Time Sampled: 06/26/21 @ 8:20	
Sample Matrix: Soil								
.....continued								
Cobalt	6.14		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Copper	15.3		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Lead	3.50		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Molybdenum	0.614		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Nickel	8.82		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Vanadium	51.0		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Zinc	53.9		mg/Kg	EPA 6010B	1.0	5.00	06/30/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		06/28/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	06/28/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		06/28/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	06/28/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21

Date Received 06/26/21

Invoice No. 92202

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 012 HB11-1							Date & Time Sampled: 06/26/21 @ 8:20	
Sample Matrix: Soil								
.....continued								
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	06/28/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	06/28/21	SR
[Surrogates]								
Tetrachloro-m-xylene	106		%REC	EPA 8081A/8082		50-150	06/28/21	SR
Decachlorobiphenyl	99		%REC	EPA 8081A/8082		50-150	06/28/21	SR
Sample: 013 HB12-1							Date & Time Sampled: 06/26/21 @ 12:45	
Sample Matrix: Soil								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		06/30/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Barium	56.3		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Chromium	10.3		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cobalt	3.09		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Copper	5.15		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Lead	1.12		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Molybdenum	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Nickel	3.70		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Vanadium	28.8		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Zinc	20.6		mg/Kg	EPA 6010B	1.0	5.00	06/30/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		06/28/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	06/28/21	KZ

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21
Date Received 06/26/21
Invoice No. 92202
Cust # G073
Permit Number
Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 013 HB12-1							Date & Time Sampled: 06/26/21 @ 12:45	
Sample Matrix: Soil								
.....continued								
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		06/28/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	06/28/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	06/28/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	06/28/21	SR
[Surrogates]								
Tetrachloro-m-xylene	100		%REC	EPA 8081A/8082		50-150	06/28/21	SR
Decachlorobiphenyl	105		%REC	EPA 8081A/8082		50-150	06/28/21	SR
Sample: 014 HB13-1							Date & Time Sampled: 06/26/21 @ 12:35	
Sample Matrix: Soil								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		06/30/21	TLB
Antimony	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21

Date Received 06/26/21

Invoice No. 92202

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 014 HB13-1							Date & Time Sampled: 06/26/21 @ 12:35	
Sample Matrix: Soil								
.....continued								
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Barium	67.9		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Chromium	14.6		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cobalt	4.18		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Copper	8.24		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Lead	1.70		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Molybdenum	0.590		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Nickel	5.12		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Vanadium	34.5		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Zinc	45.2		mg/Kg	EPA 6010B	1.0	5.00	06/30/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		06/28/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	06/28/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		06/28/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	06/28/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21

Date Received 06/26/21

Invoice No. 92202

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 014 HB13-1							Date & Time Sampled: 06/26/21 @ 12:35	
Sample Matrix: Soil								
.....continued								
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	06/28/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	06/28/21	SR
[Surrogates]								
Tetrachloro-m-xylene	101		%REC	EPA 8081A/8082		50-150	06/28/21	SR
Decachlorobiphenyl	96		%REC	EPA 8081A/8082		50-150	06/28/21	SR
Sample: 015 HB14-1							Date & Time Sampled: 06/26/21 @ 12:25	
Sample Matrix: Soil								
[Metals Title 22 no Hg]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		06/30/21	TLB
Antimony	1.06		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Arsenic	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Barium	134		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Beryllium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cadmium	<0.500		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Chromium	26.2		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Cobalt	7.87		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Copper	13.5		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Lead	1.49		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Molybdenum	0.603		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Nickel	9.30		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Selenium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Silver	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB
Thallium	<1.00		mg/Kg	EPA 6010B	1.0	1.00	06/30/21	TLB

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00241

Date Reported 06/30/21

Date Received 06/26/21

Invoice No. 92202

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
DAN LOUKS
1745 W. ORANGEWOOD AVE
SUITE #110
ORANGE, CA

Project: ARROW TRUSS

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 015 HB14-1							Date & Time Sampled: 06/26/21 @ 12:25	
Sample Matrix: Soil								
.....continued								
Vanadium	67.9		mg/Kg	EPA 6010B	1.0	0.500	06/30/21	TLB
Zinc	42.1		mg/Kg	EPA 6010B	1.0	5.00	06/30/21	TLB
[Mercury]								
Mercury Digestion	Complete			EPA 7471A	1.0		06/28/21	KZ
Mercury	<0.20		mg/Kg	EPA 7471A	1.0	0.20	06/28/21	KZ
[Pesticides]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		06/28/21	SR
Aldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
alpha-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
beta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
delta-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
gamma-BHC	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Chlordane	<0.010		mg/Kg	EPA 8081A	1.0	0.010	06/28/21	SR
4,4'-DDD	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
4,4'-DDE	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
4,4'-DDT	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Dieldrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endosulfan I	<0.00020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endosulfan II	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endosulfan Sulfate	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endrin	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endrin Aldehyde	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Endrin ketone	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Heptachlor	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Heptachlor Epoxide	<0.0020		mg/Kg	EPA 8081A	1.0	0.0020	06/28/21	SR
Methoxychlor	<0.010		mg/Kg	EPA 8081A	1.0	0.010	06/28/21	SR
Toxaphene	<0.050		mg/Kg	EPA 8081A	1.0	0.050	06/28/21	SR
[Surrogates]								
Tetrachloro-m-xylene	121		%REC	EPA 8081A/8082		50-150	06/28/21	SR
Decachlorobiphenyl	103		%REC	EPA 8081A/8082		50-150	06/28/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

Respectfully Submitted:

Ken Zheng

Ken Zheng - Lab Director

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.



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 2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
 FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

QUALITY CONTROL DATA REPORT

HILLMANN CONSULTING
 ORANGE, CA

2106-00241

Date Reported 06/30/2021
 Date Received 06/26/2021
 Date Sampled 06/26/2021
 Invoice No. 92202
 Customer # G073
 Customer P.O.

Project: ARROW TRUSS

Method #		EPA 6010B																			
QC Reference #		97066					Date Analyzed: 6/30/2021					Technician: TLB									
Samples		006	007	008	009	010	011	012	013	014	015										
Results												Control Ranges									
	LCS %REC	LCS %DUP	LCS %RPD	SPIKE %REC	SPIKE %DUP	SPIKE %RPD	LCS %REC	LCS %RPD	SPIKE %RPD												
Antimony	101	101	0.0	95	96	1.3	75 - 125	0 - 20	0 - 20												
Arsenic	101	101	0.4	94	96	1.2	75 - 125	0 - 20	0 - 20												
Barium	101	103	2.7	62	48	1.4	75 - 125	0 - 20	0 - 20												
Beryllium	101	103	2.7	112	112	0.0	75 - 125	0 - 20	0 - 20												
Cadmium	100	100	0.1	85	85	0.8	75 - 125	0 - 20	0 - 20												
Chromium	100	102	2.7	104	103	0.7	75 - 125	0 - 20	0 - 20												
Cobalt	100	101	0.5	84	85	0.8	75 - 125	0 - 20	0 - 20												
Copper	102	104	1.9	106	107	0.6	75 - 125	0 - 20	0 - 20												
Lead	100	101	0.5	76	79	1.0	75 - 125	0 - 20	0 - 20												
Molybdenum	101	101	0.0	96	97	0.7	75 - 125	0 - 20	0 - 20												
Nickel	100	100	0.2	83	84	0.6	75 - 125	0 - 20	0 - 20												
Selenium	100	101	1.1	81	80	1.0	75 - 125	0 - 20	0 - 20												
Silver	101	102	1.0	87	88	0.9	75 - 125	0 - 20	0 - 20												
Thallium	100	101	0.9	94	87	4.1	75 - 125	0 - 20	0 - 20												
Vanadium	101	102	1.0	100	101	0.6	75 - 125	0 - 20	0 - 20												
Zinc	100	100	0.2	79	81	0.8	75 - 125	0 - 20	0 - 20												

Method #		EPA 7471A																			
QC Reference #		97003					Date Analyzed: 6/28/2021					Technician: KZ									
Samples		006	007	008	009	010	011	012	013	014	015										
Results												Control Ranges									
	LCS %REC	LCS %DUP	LCS %RPD	SPIKE %REC	SPIKE %DUP	SPIKE %RPD	LCS %REC	LCS %RPD	SPIKE %RPD												
Mercury	88	91	3	85	94	9	75 - 125	0 - 25	0 - 25												

Method #		EPA 8015M																			
QC Reference #		97035					Date Analyzed: 6/29/2021					Technician: SR									
Samples		001	002	003	004	005	006	007	008	009	010										
Results												Control Ranges									
	LCS %REC	SPIKE %REC	SPIKE %DUP	SPIKE %RPD	LCS %REC	SPIKE %RPD															
C13-C22	121	119	122	3	70 - 130	0 - 25															

Method #		EPA 8081A														
QC Reference #		97037					Date Analyzed: 6/28/2021					Technician: SR				
Samples		012	013	014	015											



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
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
 FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

QUALITY CONTROL DATA REPORT

HILLMANN CONSULTING

2106-00241

Date Reported 06/30/2021

Date Received 06/26/2021

Date Sampled 06/26/2021

Project: ARROW TRUSS

Method # EPA 8081A

QC Reference # 97037 Date Analyzed: 6/28/2021 Technician: SR

Samples 012 013 014 015

Results

LCS %REC LCS %DUP LCS %RPD

4,4'-DDT	108	112	4
Aldrin	121	127	6
Dieldrin	116	119	3
Endrin	119	127	8
gamma-BHC	114	119	5
Heptachlor	96	89	7

Control Ranges

LCS %REC LCS %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 # 97037 Date Analyzed: 6/28/2021 Technician: SR

Samples 012 013 014 015

No QC recoveries reported.

Method # EPA 8260B

QC Reference # 97032 Date Analyzed: 6/29/2021 Technician: SR

Samples 001 002 003 004

Results

LCS %REC SPIKE %REC SPIKE %DUP SPIKE %RPD

1,1-Dichloroethene	82	82	85	3
Benzene	123	131	131	0
Chlorobenzene	130	132	132	0
Toluene	125	130	129	1
Trichloroethene	124	129	127	2

Control Ranges

LCS %REC SPIKE %RPD

50 - 150	0 - 30
50 - 150	0 - 30
50 - 150	0 - 30
50 - 150	0 - 30
50 - 150	0 - 30

Method # LUFT GC/MS

QC Reference # 97031 Date Analyzed: 6/29/2021 Technician: SR

Samples 001 002 003 004 005 006 007 008 009 010

Results

LCS %REC LCS %DUP LCS %RPD

C4-C12	92	89	3
--------	----	----	---

Control Ranges

LCS %REC LCS %RPD

70 - 130	0 - 25
----------	--------

No method blank results were above reporting limit

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.



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

QUALITY CONTROL DATA REPORT

HILLMANN CONSULTING

2106-00241

Date Reported

06/30/2021

Date Received

06/26/2021

Date Sampled

06/26/2021

Project: ARROW TRUSS



A & R Laboratories
 1650 S. Grove Ave., Ste C, Ontario, CA 91761
 Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
 E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #:

2106-241

Page 1 of 1

Client Name HILLMAN CONSULTING							Analyses Requested											Turn Around Time Requested <input type="checkbox"/> Rush 8 12 24 48 Hours <input checked="" type="checkbox"/> Normal
E-mail Don@asaengineering.net																		
Address 1745 W. ORANGEWOOD BLVD, Suite 119, Orange																		
Report Attention		Phone # (714) 206-3916		Sampled By STAN LOUKI														
Project No./ Name ARROW TRUSS							Project Site 1400 EAST ARROW HWY											Remarks
Lab # <small>(Lab use)</small>	Client Sample ID		Sample Collection Date Time		Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli		
1	HB1-10		6/26/21	8:20	SOIL	ZLE	ACETATE	X						X				
2	HB1-15			8:30				X						X				
3	HB2-10			9:30				X						X				
4	HB3-10			9:40				X						X				
5	HB4-10			10:30				X						X				
6	HB5-1.0			10:45										X	X			
7	HB6-1.0			11:00										X	X			
8	HB7-1.0			11:15										X	X			
9	HB8-1.0			11:30										X	X			
10	HB9-1.0			11:45										X	X			
11	HB10-1.0			12:00										X	X			
12	HB11-1			12:15							X			X	X			
13	HB12-1			12:45							X			X	X			
14	HB13-1			12:35							X			X	X			
15	HB14-1			12:25							X			X	X			
Relinquished By		Company Hillman	Date 6/26/21	Time 13:30	Received By		Company ARL	Date 6/26/21	Time 13:30	Note: Samples are discarded 30 days after results are reported unless other arrangements are made.								
Relinquished By		Company	Date	Time	Received By		Company	Date	Time									

Matrix Code:	DW=Drinking Water GW=Ground Water WW=Waste Water SD=Solid Waste	SL=Sludge SS=Soil/Sediment AR=Air PP=Pure Product	Preservative Code	IC=Ice HC=HCl HN=HNO3	SH=NaOH ST=Na2S2O3 HS=H2SO4	* Sample Container Types: T=Tedlar Air Bag G=Glass Container ST= Steel Tube	B= Brass Tube P=Plastic Bottle V=VOA Vial	E= EnCore
--------------	--	--	-------------------	-----------------------------	-----------------------------------	--	---	-----------



Sample Acceptance Checklist

CLIENT: Hillmann Consulting

WORK ORDER NUMBER: 2106-241

Temperature: (Criteria: 0.0°C-6.0°C)
 Sample Temp. (w/CF) °C(w/CF) 3.5 °c

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)			
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"/>		<input checked="" type="checkbox"/>
Were the containers labeled with correct preservatives?			<input checked="" type="checkbox"/>

Explanations/Comments:

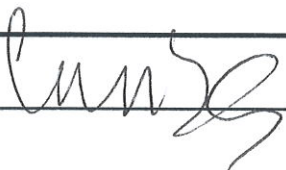
Notification:

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:  Date: 6/26/21



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
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
 FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	<i>Ken Zheng</i> Ken Zheng, President 06/30/2021 10:27:43
Laboratory Job No. (Certificate of Analysis No.)	2106-00253
Project Name / No.	ARROW TRUST / 1400 E. ARROW HWY, UPLAND
Dates Sampled (from/to)	06/29/21 To 06/29/21
Dates Received (from/to)	06/29/21 To 06/29/21
Dates Reported (from/to)	06/30/21 To 6/30/2021
Chains of Custody Received	Yes

Comments:

Subcontracting
 Organic 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
SG1-15	Toluene	0.010		µg/L	0.0050	SG2-10	Toluene	0.0073		µg/L	0.0050
SG6-5	Tetrachloroethene	0.0050		µg/L	0.0050	SG6-5	Toluene	0.0056		µg/L	0.0050
SG9-5	Tetrachloroethene	0.0067		µg/L	0.0050	SG9-5	Toluene	0.0067		µg/L	0.0050
SG10-5	Toluene	0.0057		µg/L	0.0050						



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Date Reported 06/30/21
Date Received 06/29/21
Invoice No. 92179
Cust # G073
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 SG1-15							Date & Time Sampled: 06/29/21 @ 12:15	
Sample Matrix: Soil Vapor								
[TOXIC ORGANICS IN AIR]								
1,1,1-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2,2-Tetrachloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloropropane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorotetrafluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Butadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dioxane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
2-Butanone (MEK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
2-Hexanone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Isopropanol (IPA)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Ethyltoluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Acetone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Benzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Benzyl chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromodichloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Tetrachloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 SG1-15							Date & Time Sampled: 06/29/21 @ 12:15	
Sample Matrix: Soil Vapor								
.....continued								
Chlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Cyclohexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dibromochloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Heptane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methylene Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Propylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Styrene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrachloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrahydrofuran	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Toluene	0.010		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorofluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromofluorobenzene	99		%REC	EPA TO-15		70-130	06/29/21	SR
Toluene-D8	108		%REC	EPA TO-15		70-130	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 SG1-15							Date & Time Sampled: 06/29/21 @ 12:15	
Sample Matrix: Soil Vapor								
.....continued								
Dibromofluoromethane	93		%REC	EPA TO-15		70-130	06/29/21	SR
Sample: 002 SG2-10							Date & Time Sampled: 06/29/21 @ 12:30	
Sample Matrix: Soil Vapor								
[TOXIC ORGANICS IN AIR]								
1,1,1-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2,2-Tetrachloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloropropane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorotetrafluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Butadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dioxane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
2-Butanone (MEK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
2-Hexanone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Isopropanol (IPA)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Ethyltoluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Acetone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Benzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Benzyl chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Date Reported 06/30/21
Date Received 06/29/21
Invoice No. 92179
Cust # G073
Permit Number
Customer P.O.

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 SG2-10							Date & Time Sampled: 06/29/21 @ 12:30	
Sample Matrix: Soil Vapor								
.....continued								
Bromodichloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Tetrachloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Cyclohexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dibromochloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Heptane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methylene Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Propylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Styrene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrachloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrahydrofuran	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Toluene	0.0073		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Date Reported 06/30/21
Date Received 06/29/21
Invoice No. 92179
Cust # G073
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 SG2-10					Date & Time Sampled:		06/29/21 @	12:30
Sample Matrix: Soil Vapor								
.....continued								
Trichlorofluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromofluorobenzene	99		%REC	EPA TO-15		70-130	06/29/21	SR
Toluene-D8	105		%REC	EPA TO-15		70-130	06/29/21	SR
Dibromofluoromethane	94		%REC	EPA TO-15		70-130	06/29/21	SR
Sample: 003 SG3-10					Date & Time Sampled:		06/29/21 @	12:45
Sample Matrix: Soil Vapor								
[TOXIC ORGANICS IN AIR]								
1,1,1-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,1,2-Tetrachloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloropropane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorotetrafluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Butadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dioxane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
2-Butanone (MEK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
2-Hexanone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Isopropanol (IPA)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Date Reported 06/30/21
Date Received 06/29/21
Invoice No. 92179
Cust # G073
Permit Number
Customer P.O.

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 SG3-10							Date & Time Sampled: 06/29/21 @ 12:45	
Sample Matrix: Soil Vapor								
.....continued								
4-Ethyltoluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Acetone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Benzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Benzyl chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromodichloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Tetrachloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Cyclohexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dibromochloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Heptane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methylene Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Propylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Styrene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrachloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Date Reported 06/30/21
Date Received 06/29/21
Invoice No. 92179
Cust # G073
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 003 SG3-10							Date & Time Sampled: 06/29/21 @ 12:45	
Sample Matrix: Soil Vapor								
.....continued								
Tetrahydrofuran	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Toluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorofluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromofluorobenzene	94		%REC	EPA TO-15		70-130	06/29/21	SR
Toluene-D8	103		%REC	EPA TO-15		70-130	06/29/21	SR
Dibromofluoromethane	88		%REC	EPA TO-15		70-130	06/29/21	SR
Sample: 004 SG4-8							Date & Time Sampled: 06/29/21 @ 13:00	
Sample Matrix: Soil Vapor								
[TOXIC ORGANICS IN AIR]								
1,1,1-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,1,2-Tetrachloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloropropane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorotetrafluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Butadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 SG4-8							Date & Time Sampled: 06/29/21 @ 13:00	
Sample Matrix: Soil Vapor								
.....continued								
1,4-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dioxane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
2-Butanone (MEK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
2-Hexanone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Isopropanol (IPA)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Ethyltoluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Acetone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Benzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Benzyl chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromodichloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Tetrachloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Cyclohexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dibromochloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Heptane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 SG4-8							Date & Time Sampled: 06/29/21 @ 13:00	
Sample Matrix: Soil Vapor								
.....continued								
Methylene Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Propylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Styrene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrachloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrahydrofuran	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Toluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorofluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromofluorobenzene	97		%REC	EPA TO-15		70-130	06/29/21	SR
Toluene-D8	107		%REC	EPA TO-15		70-130	06/29/21	SR
Dibromofluoromethane	87		%REC	EPA TO-15		70-130	06/29/21	SR

Sample: 005 SG5-5							Date & Time Sampled: 06/29/21 @ 13:15	
Sample Matrix: Soil Vapor								
[TOXIC ORGANICS IN AIR]								
1,1,1-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2,2-Tetrachloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 005 SG5-5							Date & Time Sampled: 06/29/21 @ 13:15	
Sample Matrix: Soil Vapor								
.....continued								
1,2-Dichloropropane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorotetrafluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Butadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dioxane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
2-Butanone (MEK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
2-Hexanone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Isopropanol (IPA)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Ethyltoluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Acetone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Benzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Benzyl chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromodichloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Tetrachloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Cyclohexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dibromochloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 005 SG5-5							Date & Time Sampled: 06/29/21 @ 13:15	
Sample Matrix: Soil Vapor								
.....continued								
Heptane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methylene Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Propylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Styrene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrachloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrahydrofuran	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Toluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorofluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromofluorobenzene	89		%REC	EPA TO-15		70-130	06/29/21	SR
Toluene-D8	103		%REC	EPA TO-15		70-130	06/29/21	SR
Dibromofluoromethane	88		%REC	EPA TO-15		70-130	06/29/21	SR
Sample: 006 SG6-5							Date & Time Sampled: 06/29/21 @ 13:30	
Sample Matrix: Soil Vapor								
[TOXIC ORGANICS IN AIR]								
1,1,1-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2,2-Tetrachloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 006 SG6-5							Date & Time Sampled: 06/29/21 @ 13:30	
Sample Matrix: Soil Vapor								
.....continued								
1,2,4-Trichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloropropane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorotetrafluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Butadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dioxane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
2-Butanone (MEK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
2-Hexanone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Isopropanol (IPA)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Ethyltoluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Acetone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Benzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Benzyl chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromodichloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Tetrachloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 006 SG6-5							Date & Time Sampled: 06/29/21 @ 13:30	
Sample Matrix: Soil Vapor								
.....continued								
Cyclohexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dibromochloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Heptane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methylene Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Propylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Styrene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrachloroethene	0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrahydrofuran	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Toluene	0.0056		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorofluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromofluorobenzene	88		%REC	EPA TO-15		70-130	06/29/21	SR
Toluene-D8	105		%REC	EPA TO-15		70-130	06/29/21	SR
Dibromofluoromethane	90		%REC	EPA TO-15		70-130	06/29/21	SR

Sample: 007 **SG7-5**Sample Matrix: **Soil Vapor**

Date & Time Sampled: 06/29/21 @ 13:30

[TOXIC ORGANICS IN AIR]

1,1,1-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
-----------------------	---------	--	------	-----------	-----	--------	----------	----



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 007 SG7-5							Date & Time Sampled: 06/29/21 @ 13:30	
Sample Matrix: Soil Vapor								
.....continued								
1,1,2,2-Tetrachloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloropropane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorotetrafluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Butadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dioxane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
2-Butanone (MEK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
2-Hexanone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Isopropanol (IPA)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Ethyltoluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Acetone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Benzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Benzyl chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromodichloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Tetrachloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 007 SG7-5							Date & Time Sampled: 06/29/21 @ 13:30	
Sample Matrix: Soil Vapor								
.....continued								
Chloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Cyclohexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dibromochloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Heptane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methylene Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Propylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Styrene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrachloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrahydrofuran	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Toluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorofluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromofluorobenzene	94		%REC	EPA TO-15		70-130	06/29/21	SR
Toluene-D8	104		%REC	EPA TO-15		70-130	06/29/21	SR
Dibromofluoromethane	88		%REC	EPA TO-15		70-130	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 008 SG8-5							Date & Time Sampled: 06/29/21 @ 14:00	
Sample Matrix: Soil Vapor								
[TOXIC ORGANICS IN AIR]								
1,1,1-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2,2-Tetrachloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloropropane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorotetrafluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Butadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dioxane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
2-Butanone (MEK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
2-Hexanone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Isopropanol (IPA)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Ethyltoluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Acetone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Benzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Benzyl chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromodichloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 008 SG8-5							Date & Time Sampled: 06/29/21 @ 14:00	
Sample Matrix: Soil Vapor								
.....continued								
Carbon Tetrachloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Cyclohexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dibromochloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Heptane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methylene Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Propylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Styrene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrachloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrahydrofuran	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Toluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorofluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromofluorobenzene	94		%REC	EPA TO-15		70-130	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 008 SG8-5							Date & Time Sampled: 06/29/21 @ 14:00	
Sample Matrix: Soil Vapor								
.....continued								
Toluene-D8	104		%REC	EPA TO-15		70-130	06/29/21	SR
Dibromofluoromethane	88		%REC	EPA TO-15		70-130	06/29/21	SR
Sample: 009 SG9-5							Date & Time Sampled: 06/29/21 @ 14:15	
Sample Matrix: Soil Vapor								
[TOXIC ORGANICS IN AIR]								
1,1,1-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,1,2-Tetrachloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloropropane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorotetrafluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Butadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dioxane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
2-Butanone (MEK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
2-Hexanone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Isopropanol (IPA)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Ethyltoluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Acetone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Benzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 009 SG9-5							Date & Time Sampled: 06/29/21 @ 14:15	
Sample Matrix: Soil Vapor								
.....continued								
Benzyl chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromodichloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Tetrachloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Cyclohexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dibromochloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Heptane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methylene Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Propylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Styrene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrachloroethene	0.0067		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrahydrofuran	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Toluene	0.0067		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 009 SG9-5							Date & Time Sampled: 06/29/21 @ 14:15	
Sample Matrix: Soil Vapor								
.....continued								
Trichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorofluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromofluorobenzene	93		%REC	EPA TO-15		70-130	06/29/21	SR
Toluene-D8	106		%REC	EPA TO-15		70-130	06/29/21	SR
Dibromofluoromethane	92		%REC	EPA TO-15		70-130	06/29/21	SR
Sample: 010 SG10-5							Date & Time Sampled: 06/29/21 @ 14:30	
Sample Matrix: Soil Vapor								
[TOXIC ORGANICS IN AIR]								
1,1,1-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2,2-Tetrachloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorotrifluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1,2-Trichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,1-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2,4-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dibromoethane (EDB)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,2-Dichloropropane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorotetrafluoroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3,5-Trimethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Butadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,3-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dichlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
1,4-Dioxane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
2-Butanone (MEK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
2-Hexanone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 010 SG10-5							Date & Time Sampled: 06/29/21 @ 14:30	
Sample Matrix: Soil Vapor								
.....continued								
Isopropanol (IPA)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Ethyltoluene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
4-Methyl-2-Pentanone (MIBK)	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Acetone	<0.050		µg/L	EPA TO-15	1.0	0.050	06/29/21	SR
Benzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Benzyl chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromodichloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromoform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromomethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Disulfide	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Carbon Tetrachloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chlorobenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloroform	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Chloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
cis-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Cyclohexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dibromochloromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Dichlorodifluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Ethylbenzene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Heptane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexachlorobutadiene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Hexane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
m,p-Xylenes	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methyl-t-butyl Ether (MtBE)	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Methylene Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
o-Xylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Propylene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Styrene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2106-00253

Date Reported 06/30/21

Date Received 06/29/21

Invoice No. 92179

Cust # G073

Permit Number

Customer P.O.

HILLMANN CONSULTING
BRANDON CLEMENTS
1745 W. ORANGEWOOD AVE.
SUITE # 110
ORANGE, CA 92868

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 010 SG10-5							Date & Time Sampled: 06/29/21 @ 14:30	
Sample Matrix: Soil Vapor								
.....continued								
Tetrachloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Tetrahydrofuran	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Toluene	0.0057		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,2-Dichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
trans-1,3-Dichloropropene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichloroethene	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Trichlorofluoromethane	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl acetate	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Vinyl Chloride	<0.0050		µg/L	EPA TO-15	1.0	0.0050	06/29/21	SR
Bromofluorobenzene	95		%REC	EPA TO-15		70-130	06/29/21	SR
Toluene-D8	105		%REC	EPA TO-15		70-130	06/29/21	SR
Dibromofluoromethane	90		%REC	EPA TO-15		70-130	06/29/21	SR

Respectfully Submitted:

Ken Zheng - Lab Director

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.



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 2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
 FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

QUALITY CONTROL DATA REPORT

HILLMANN CONSULTING
 ORANGE, CA 92868

2106-00253

Date Reported 06/30/2021
 Date Received 06/29/2021
 Date Sampled 06/29/2021
 Invoice No. 92179
 Customer # G073
 Customer P.O.

Project: ARROW TRUST / 1400 E. ARROW HWY, UPLAND

Method # EPA TO-15

QC Reference # 97049 Date Analyzed: 6/29/2021 Technician: SR

Samples 001 002 003 004 005 006 007 008 009 010

Results

LCS %REC

1,1-Dichloroethene	115
Benzene	130
Chlorobenzene	125
Toluene	130
Trichloroethene	130

Control Ranges

LCS %REC

70 - 130
70 - 130
70 - 130
70 - 130
70 - 130

No method blank results were above reporting limit

Bromofluorobenzene

%REC

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.



A & R Laboratories
 1650 S. Grove Ave., Ste C, Ontario, CA 91761
 Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
 E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

A & R Work Order #: **2106-253**

Page **1** of **1**

RUSH

Client Name HILLMAN CONSULTING				<input type="checkbox"/> Chilled		Analyses Requested										Turn Around Time Requested	
E-mail Dan@gsaengineering.net				<input checked="" type="checkbox"/> Intact												<input type="checkbox"/> Rush 8 12 24 48 Hours <input type="checkbox"/> Normal 6 HOUR TURN AROUND Thanks Remarks	
Address 1745 ORANGEWOOD AVE #110 ORANGE				<input type="checkbox"/> Seal													
Report Attention BRANDON C		Phone # 714-206-3916		Sampled By DL NM													
Project No./ Name ARROW TRUST		Project Site 1400 E ARROW HWY UPLAND															
Lab # <small>(Lab use)</small>	Client Sample ID	Sample Collection		Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	TO15	
		Date	Time														
1	SG1-15	6-29-21	12:15	VAPOR	NA	1											X
2	SG2-10		12:30			1											X
3	SG3-10		12:45			1											X
4	SG4-8		13:00			1											X
5	SG5-5		13:15			1											X
6	SG6-5		13:30			1											X
7	SG7-5		13:45			1											X
8	SG8-5		14:00			1											X
9	SG9-5		14:15			1											X
10	SG10-5		14:30			1											X
Relinquished By Dan Dale		Company		Date 6-29-21	Time 14:45	Received By [Signature]		Company A-R		Date 6-29-21	Time 1445	Note: Samples are discarded 30 days after results are reported unless other arrangements are made.					
Relinquished By		Company		Date	Time	Received By		Company		Date	Time						

Matrix Code:	DW=Drinking Water GW=Ground Water WW=Waste Water SD=Solid Waste	SL=Sludge SS=Soil/Sediment AR=Air PP=Pure Product	Preservative Code	IC=Ice HC=HCl HN=HNO3	SH=NaOH ST=Na2S2O3 HS=H2SO4	Sample Container Types: T=Tedlar Air Bag G=Glass Container ST= Steel Tube	B= Brass Tube P=Plastic Bottle V=VOA Vial	E= EnCore
--------------	--	--	-------------------	-----------------------------	-----------------------------------	--	---	-----------

APPENDIX C

Drilling Logs

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER HB1

PROJECT Arrow Truss **OWNER** _____

LOCATION 1400 East Arrow Highway, Upland, CA **PROJECT NUMBER** _____

DATE DRILLED June 26, 2021 **TOTAL DEPTH OF HOLE** 17 Feet

SURFACE ELEVATION _____ **DEPTH TO WATER** _____

SCREEN: DIA. _____ **LENGTH** _____ **SLOT SIZE** _____

CASING: DIA. _____ **LENGTH** _____ **TYPE** _____

DRILLING COMPANY Kehoe **DRILL METHOD** GeoProbe

DRILLER _____ **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW		
5							
10			0.0	HB1-10		SW	Gravelly SAND; gray, very fine to coarse grained, poorly sorted, dry no odor.
15			0.0	HB1-15		SW	SAND; gray, very fine to fine grained, poorly sorted, dry no odor.
17							Refusal at 17 feet. Gravel. No sample recovery. Seal with bentonite to 15 feet. Install Probe SG1 at 15 feet. Seal with bentonite and neat cement to surface. Remove probe after sampling.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER HB2
PROJECT Arrow Truss **OWNER** _____
LOCATION 1400 East Arrow Highway, Upland, CA **PROJECT NUMBER** _____
DATE DRILLED June 26, 2021 **TOTAL DEPTH OF HOLE** 13 Feet
SURFACE ELEVATION _____ **DEPTH TO WATER** _____
SCREEN: DIA. _____ **LENGTH** _____ **SLOT SIZE** _____
CASING: DIA. _____ **LENGTH** _____ **TYPE** _____
DRILLING COMPANY Kehoe **DRILL METHOD** GeoProbe
DRILLER _____ **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW		
5							
10			0.0	HB2-10		SW	Gravelly SAND; brown, very fine to medium grained, poorly sorted, dry no odor.
13							Refusal at 13 feet. No sample recovery. Cobbles.
							Seal with bentonite to 10 feet. Install Probe SG2 at 10 feet. Seal with bentonite and neat cement to surface. Remove probe after sampling.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER HB3

PROJECT Arrow Truss

OWNER

LOCATION 1400 East Arrow Highway, Upland, CA

PROJECT NUMBER

DATE DRILLED June 26, 2021

TOTAL DEPTH OF HOLE 10 Feet

SURFACE ELEVATION

DEPTH TO WATER

SCREEN: DIA. **LENGTH**

SLOT SIZE

CASING: DIA. **LENGTH**

TYPE

DRILLING COMPANY Kehoe

DRILL METHOD GeoProbe

DRILLER

LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW		
5							
10			0.0	HB3-10		SW	<p>SAND; gray, very fine to fine grained, poorly sorted, some gravel, dry no odor.</p> <p>Install Probe SG3 at 10 feet. Seal with bentonite and neat cement to surface. Remove probe after sampling.</p>



DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER HB4

PROJECT Arrow Truss

OWNER _____

LOCATION 1400 East Arrow Highway, Upland, CA

PROJECT NUMBER _____

DATE DRILLED June 26, 2021

TOTAL DEPTH OF HOLE 10 Feet

SURFACE ELEVATION _____

DEPTH TO WATER _____

SCREEN: DIA. _____ LENGTH _____

SLOT SIZE _____

CASING: DIA. _____ LENGTH _____

TYPE _____

DRILLING COMPANY Kehoe

DRILL METHOD GeoProbe

DRILLER _____

LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW		
5							
10			0.0	HB4-10		SW	<p>SAND; gray, very fine to coarse grained, poorly sorted, some gravel, dry no odor.</p> <p>Refusal at 10. Sampler broke. Hole caved to 8 feet.</p> <p>Install Probe SG4 at 8 feet. Seal with bentonite and neat cement to surface. Remove probe after sampling.</p>

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER HB5
PROJECT Arrow Truss **OWNER**
LOCATION 1400 East Arrow Highway, Upland, CA **PROJECT NUMBER**
DATE DRILLED June 26, 2021 **TOTAL DEPTH OF HOLE** 5 Feet
SURFACE ELEVATION **DEPTH TO WATER**
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Kehoe **DRILL METHOD** GeoProbe
DRILLER **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW		
1			0.0	HB5-1		SM	Silty SAND; brown, very fine grained, trace gravel, no odor.
5							Install Probe SG5 at 5 feet. Seal with bentonite and neat cement to surface. Remove probe after sampling.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER HB6
PROJECT Arrow Truss **OWNER** _____
LOCATION 1400 East Arrow Highway, Upland, CA **PROJECT NUMBER** _____
DATE DRILLED June 26, 2021 **TOTAL DEPTH OF HOLE** 5 Feet
SURFACE ELEVATION _____ **DEPTH TO WATER** _____
SCREEN: DIA. _____ **LENGTH** _____ **SLOT SIZE** _____
CASING: DIA. _____ **LENGTH** _____ **TYPE** _____
DRILLING COMPANY Kehoe **DRILL METHOD** GeoProbe
DRILLER _____ **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW		
1			0.0	HB6-1		SM	Silty SAND; brown, very fine to fine grained, trace gravel, no odor.
5							Install Probe SG6 at 5 feet. Seal with bentonite and neat cement to surface. Remove probe after sampling.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER HB9

PROJECT Arrow Truss

OWNER _____

LOCATION 1400 East Arrow Highway, Upland, CA

PROJECT NUMBER _____

DATE DRILLED June 26, 2021

TOTAL DEPTH OF HOLE 5 Feet

SURFACE ELEVATION _____

DEPTH TO WATER _____

SCREEN: DIA. _____

LENGTH _____

SLOT SIZE _____

CASING: DIA. _____

LENGTH _____

TYPE _____

DRILLING COMPANY Kehoe

DRILL METHOD GeoProbe

DRILLER _____

LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW		
1			0.0	HB9-1		SM	Silty SAND; brown, very fine grained, loose, no odor.
5							Install Probe SG9 at 5 feet. Seal with bentonite and neat cement to surface. Remove probe after sampling.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER HB10

PROJECT Arrow Truss **OWNER** _____

LOCATION 1400 East Arrow Highway, Upland, CA **PROJECT NUMBER** _____

DATE DRILLED June 26, 2021 **TOTAL DEPTH OF HOLE** 5 Feet

SURFACE ELEVATION _____ **DEPTH TO WATER** _____

SCREEN: DIA. _____ **LENGTH** _____ **SLOT SIZE** _____

CASING: DIA. _____ **LENGTH** _____ **TYPE** _____

DRILLING COMPANY Kehoe **DRILL METHOD** GeoProbe

DRILLER _____ **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW		
1			0.0	HB10-1		SW	Gravelly SAND; gray, very fine to coarse grained, some coarse gravel, dry, no odor.
5							Install Probe SG10 at 5 feet. Seal with bentonite and neat cement to surface. Remove probe after sampling.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER HB11

PROJECT Arrow Truss **OWNER** _____

LOCATION 1400 East Arrow Highway, Upland, CA **PROJECT NUMBER** _____

DATE DRILLED June 26, 2021 **TOTAL DEPTH OF HOLE** 1 Feet

SURFACE ELEVATION _____ **DEPTH TO WATER** _____

SCREEN: DIA. _____ **LENGTH** _____ **SLOT SIZE** _____

CASING: DIA. _____ **LENGTH** _____ **TYPE** _____

DRILLING COMPANY Kehoe **DRILL METHOD** GeoProbe

DRILLER _____ **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW		
1			0.0	HB11-1		SM	<p>Silty SAND; brown, very fine grained, loose, no odor.</p> <p>No Soil Gas Probe Installed</p>



DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER HB12

PROJECT Arrow Truss

OWNER

LOCATION 1400 East Arrow Highway, Upland, CA

PROJECT NUMBER

DATE DRILLED June 26, 2021

TOTAL DEPTH OF HOLE 1 Feet

SURFACE ELEVATION

DEPTH TO WATER

SCREEN: DIA. **LENGTH**

SLOT SIZE

CASING: DIA. **LENGTH**

TYPE

DRILLING COMPANY Kehoe

DRILL METHOD GeoProbe

DRILLER

LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW		
1			0.0	HB12-1		SM	Silty SAND; brown, very fine grained, loose, no odor. No Soil Gas Probe Installed

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER HB13
PROJECT Arrow Truss **OWNER** _____
LOCATION 1400 East Arrow Highway, Upland, CA **PROJECT NUMBER** _____
DATE DRILLED June 26, 2021 **TOTAL DEPTH OF HOLE** 1 Feet
SURFACE ELEVATION _____ **DEPTH TO WATER** _____
SCREEN: DIA. _____ **LENGTH** _____ **SLOT SIZE** _____
CASING: DIA. _____ **LENGTH** _____ **TYPE** _____
DRILLING COMPANY Kehoe **DRILL METHOD** GeoProbe
DRILLER _____ **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW		
1			0.0	HB13-1		SM	Silty SAND; brown, very fine grained, loose, no odor. No Soil Gas Probe Installed

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER HB14
PROJECT Arrow Truss **OWNER** _____
LOCATION 1400 East Arrow Highway, Upland, CA **PROJECT NUMBER** _____
DATE DRILLED June 26, 2021 **TOTAL DEPTH OF HOLE** 1 Feet
SURFACE ELEVATION _____ **DEPTH TO WATER** _____
SCREEN: DIA. _____ **LENGTH** _____ **SLOT SIZE** _____
CASING: DIA. _____ **LENGTH** _____ **TYPE** _____
DRILLING COMPANY Kehoe **DRILL METHOD** GeoProbe
DRILLER _____ **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS (USCS)	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW		
1			0.0	HB14-1		SM	Silty SAND; brown, very fine grained, loose, no odor. No Soil Gas Probe Installed

APPENDIX D
Soil Gas Monitoring Data

SOIL GAS MONITORING DATA FORM

PROJECT: Commercial Property
LOCATION: 1400 East Arrow Highway, Upland, California
DATE: June 29, 2021

	VAPOR PROBE INFO							
PROBE ID	SG1	SG2	SG3	SG4	SG5	SG6	SG7	SG8
PROBE DEPTH (ft)	15	10	10	8	5	5	5	5
	EXTRACTION DATA							
Applied Vacuum (in. WC)	<5	<5	<5	<5	<5	<5	<5	<5
FLOW (L/min)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Pore Volumes (borehole - sand pack)	3	3	3	3	3	3	3	3
	MONITORING DATA							
OXYGEN (%)	19.7	19.9	19.9	19.4	20.2	20.1	19.7	20.0
CARBON DIOXIDE (%)	0.19	0.29	0.61	1.48	0.42	0.62	0.72	0.58
VOC by PID (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

	VAPOR PROBE INFO							
PROBE ID	SG9	SG10						
PROBE DEPTH (ft)	5	5						
	EXTRACTION DATA							
Applied Vacuum (in. WC)	<5	<5						
FLOW (L/min)	0.2	0.2						
Pore Volumes (borehole - sand pack)	3	3						
	MONITORING DATA							
OXYGEN (%)	19.3	20.0						
CARBON DIOXIDE (%)	1.04	0.63						
VOC by PID (ppm)	0.0	0.0						

REMARKS: _____
SAMPLED BY: DL/NH

APPENDIX E

GPR Report



SUBSURFACE INVESTIGATION TO LOCATE UNDERGROUND UTILITIES

COMMERCIAL PROPERTY
1400 Arrow Highway
Upland, CA 91786
PROJECT #: C3-8487

PREPARED BY:
SOCAL LOCATORS (SCL)
14050 CHERRY AVE, SUITE R-172
FONTANA, CA 92337
T: (909) 900-6504 / E: rick.socallocators@gmail.com

SCL PROJECT #: 121-0217
FIELD TECHNICIAN: Richard Carroll
FIELD INVESTIGATION PERFORMED: June 24, 2021
REPORT PREPARED: June 29, 2021

PREPARED FOR:
HILLMAN CONSULTING
ATT: Stephen Bartlett
1745 W. Orangewood Ave., STE. 201
Orange, CA 92868
T: (714) 949-2371 / E: sbartlett@hillmannngroup.com



14050 Cherry Ave., Suite R-172
Fontana, California 92337
Phone: (909) 900-6504
rick.socallocators@gmail.com

June 29, 2021

Mr. Stephen Bartlett
Hillman Consulting
1745 W. Onrangerwood Ave.
Suite: 201
Orange, CA 92868

Subject: SUBSURFACE INVESTIGATION
Commercial Property
1400 Arrow Highway
Upland, CA 91786

Dear Mr. Bartlett,

With your request and authorization, SoCal Locators has prepared this "Subsurface Investigation Report" for the commercial property, located at 1400 Arrow Highway, Upland, CA 91786. The enclosed report presents our findings, and conclusions regarding the utility locations.

Thank you for allowing "SCL" the opportunity to assist you with this project. Please do not hesitate to contact me at (909) 900-6504, should you have any questions or need additional information.

Best regards,

Rick Huerta
SoCal Locators



14050 Cherry Ave., Suite R-172
Fontana, California 92337
Phone: (909) 900-6504
rick.socallocators@gmail.com

1. SITE LOCATION AND DESCRIPTION

The subject site is located at 1400 Arrow Highway, South-East where E. Arrow Highway and Pacific Electric Trail meet in the city of Upland, CA. The property is surrounded by commercial buildings/properties to the West/North and residential properties to the East and South.

Figure 1. Subject Site





14050 Cherry Ave., Suite R-172
Fontana, California 92337
Phone: (909) 900-6504
rick.socallocators@gmail.com

2. PURPOSE AND SCOPE

SoCal Locators to perform a "Subsurface Investigation", using electromagnetic and ground penetrating radar (GPR) equipment in an attempt to locate an "Underground Storage Tank" (UST) and an abandoned septic tank.

Figure 2. Site/Area of Interest





14050 Cherry Ave., Suite R-172
Fontana, California 92337
Phone: (909) 900-6504
rick.socallocators@gmail.com

3. THE PROCESS

Our process began with the "Electro-Magnetic" locating equipment to identify pipes or utilities throughout the work scoped areas. We swept all areas with the RD receiver to detect live power or radio frequency signals followed by connecting to any visible riser(s) or tracer wire(s) that may be in the area(s) provided that there is an exposed metallic surface(s). Locations are then marked and delineated with APWA marking paints and or flags on the surface. Depths cannot always be provided or accurate due to various types of soils.

Initial "Ground Penetrating Radar (GRP)" scans were then collected, data was evaluated and equipment was calibrated to ensure findings were confirmed and accurate. Based on these findings, a scanning strategy is formed, typically consisting of scanning the entire area in a grid with 5' - 10' scan spacings to locate any potential utilities and "Underground Storage Tanks (UST's)" that were not found with the pipe locator. The GPR data is interpreted in real time and anomalies in the data are located and marked on the surface using spray paint, flags, etc.,. Depths are dependent on the dielectric of the materials being scanned so depth accuracy can vary throughout a site.

4. EQUIPMENT

The GSSI UtilityScan SIR 3000 Ground Penetrating Radar unit with 400MHz antenna sends a dielectric signal into the earth, which registers with the density of the soil that it is penetrating. Any other material of varied density will either speed up the signal creating an inverted hyperbola or slow it down leaving a hyperbola trail. This is similar to a rock in a creek. The water bends around the rock leaving a tail wake. The GPR signal is not bending; however, it is sending back a continuous signal of the curvature of the anomaly or buried feature it encounters.



14050 Cherry Ave., Suite R-172
Fontana, California 92337
Phone: (909) 900-6504
rick.socallocators@gmail.com

GPR findings are not always accurate due to certain site conditions such as soil lithology, moisture, and soil make-up. These can limit the depth to which the GPR antenna can penetrate to locate buried features.

The RD8100 Electro-Magnetic Transmitter & Receiver has Inductive & Conductive capability to locate buried conductive underground utilities, such as copper, steel and galvanized metal water pipes, electrical lines, power lines, tele-communication lines, metal and steel gas lines, and metal and steel pipelines.

The RD8100 features include multiple active frequencies to delineate actively the depth and location of the target utility or pipe. The RD8100 receiver has a peak and null gain feature that pinpoints the target utility or pipe in congested areas.

The audible signal to noise feature makes it easy for the locating technician to determine accurately the location of a directly connected utility or pipe by sound.

According to Radio Detection, the specifications of the RD8100 include...

Sensitivity: 6E-15 Tesla 5 μ A at 1 meter (33kHz)

Dynamic range: 140dB rms/ \sqrt Hz

Selectivity: 120dB/Hz

Depth measurement precision: \pm 3%

Locate accuracy: \pm 5% of depth

The Jameson Duct Hunter 300 Traceable Rodder uses the RD8100 transmitter to energize the rod which is pushed into underground pipe to emit signal that is picked up by the RD8100 receiver above ground. This allows an entire buried utility pipe to be traced and marked continuously from above ground by one man without digging. The rod's ferrule attaches to a 512 MHz sonde, roller guide, or pulling eye. 5/16" diameter rod has 6" bend radius and is recommended for 2"- 4" conduit.



14050 Cherry Ave., Suite R-172
Fontana, California 92337
Phone: (909) 900-6504
rick.socallocators@gmail.com

The Schonstedt GA-52Cx Magnetic Locator detects iron and steel objects underground, such as USTs, buried oil wells and buried metal monitoring well lids. The Schonstedt GA-52Cx Magnetometer provides audio detection signals with frequencies that vary with gradient field intensity. The signals peak in frequency when the locator tip is held directly over the target.

5. LIMITATIONS

Please keep in mind that there are limitations to any subsurface investigation. The equipment may not achieve maximum effectiveness due to soil conditions, above ground obstructions, reinforced concrete, and a variety of other factors. No subsurface investigation or equipment can provide a complete image of what lies below. Our results should always be used in conjunction with as many methods as possible including consulting existing plans and drawings, exploratory excavation or potholing, visual inspection of above ground features, and utilization of services as One Call/811.

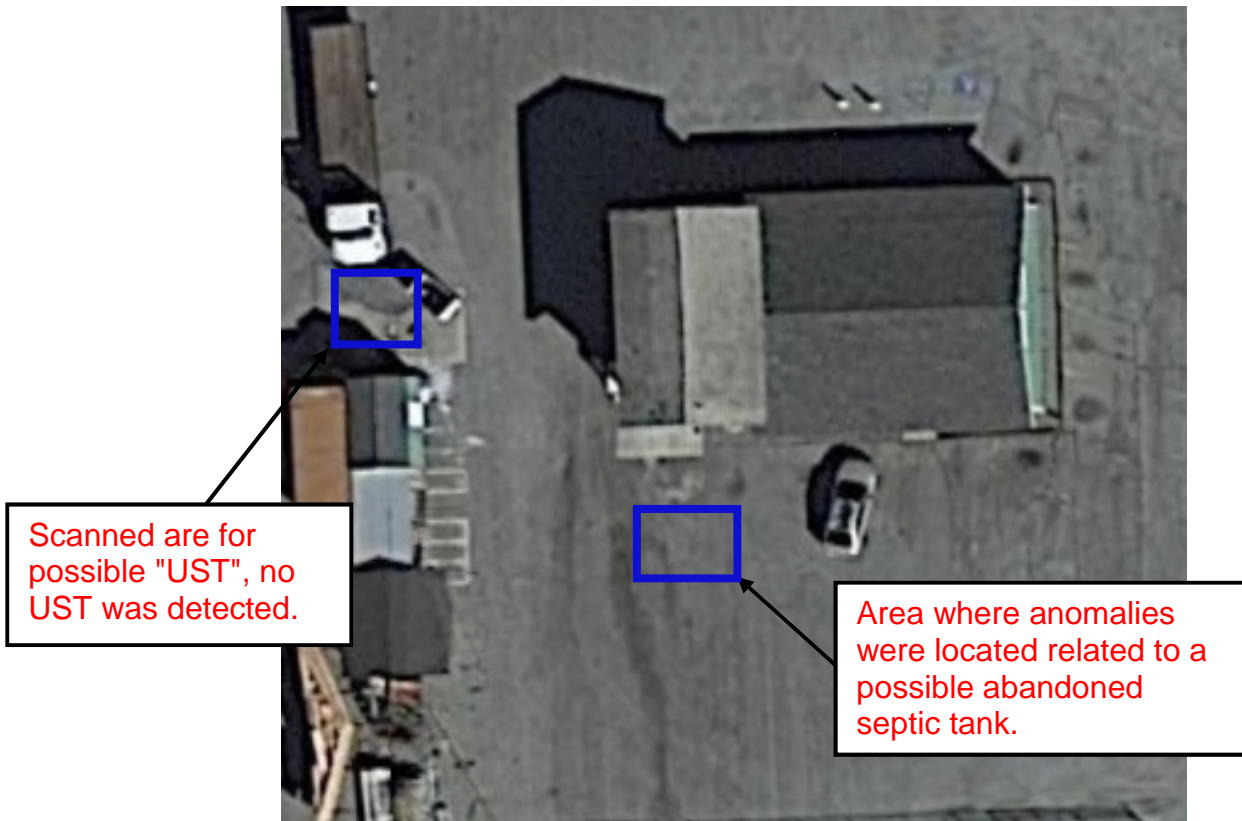


14050 Cherry Ave., Suite R-172
Fontana, California 92337
Phone: (909) 900-6504
rick.socallocators@gmail.com

6. FINDINGS

Our technician ran GPR in a grid pattern of every two feet through the area(s) of interest or in question in an attempt to locate a UST and an abandoned septic tank. There were no anomalies leading to any "UST's" a concrete slab of approximately 20' x 20'. Our Technician also ran GPR in a pattern area to attempt to locate an abandoned septic tank and was able to detect some anomalies leading to a possible septic tank. All anomalies detected were identified and delineated using color coded APWA marking paint.

Figure 3. – Focus point of area scanned for UST and abandoned septic tank.



Figure(s) 4 – 7. Pictures of 20' x 20' area where anomalies were located for possible abandoned septic tank. Areas was delineated with white APWA marking paint as shown.





14050 Cherry Ave., Suite R-172
Fontana, California 92337
Phone: (909) 900-6504
rick.socallocators@gmail.com

Figure(s) 8 - 11. Pictures of areas scanned for possible UST. No anomalies were located or detected. Areas scanned was delineated with white APWA marking paint as shown.



Figure 8



Figure 9



Figure 10



Figure 11