# **APPENDIX F**

# PHASE II LIMITED SOIL VAPOR ASSESSMENT



# GEOTECHNICAL ENGINEERING • ENVIRONMENTAL ENGINEERING CONSTRUCTION TESTING & INSPECTION

October 17, 2024 Project No. 024-24038

Ms. Rebecca Abuhamra Quick Quack Car Wash 6020 West Oaks Boulevard, Suite 300 Rocklin, California 95765 Rabuhamra@dontdrivedirty.com

RE: Report of Findings

Phase II Limited Soil Vapor Assessment Proposed Car Wash Property QQ 44-352

913 California Street

APNs 0292-034-10 and -17 (1.5-acre portion)

Redlands, California 92374

Dear Ms. Abuhamra:

Pursuant to your request, Krazan & Associates, Inc. (Krazan) has prepared this *Report of Findings* summarizing the Phase II Limited Soil Vapor Assessment (LSVA) conducted at the Proposed Car Wash Property located at 913 California Street, Redlands, California (subject site). The work was based on the findings provided in Krazan's August 1, 2024 *Phase I Environmental Site Assessment* (ESA) prepared for Quick Quack Car Wash (client). The work is reportedly being done as part of a property transaction and site development and not at the request of a regulatory agency. Figure 1 is a Vicinity Map and Figure 2 depicts the approximate locations of the soil vapor probes.

# **BACKGROUND**

During this assessment, Krazan identified no evidence of recognized environmental conditions (RECs), controlled RECs (CRECs) or historical RECs (HRECs) in connection with the subject site as defined by ASTM E 1527-21. However, the following potential areas of concern (PAOCs) were identified:

#### **PAOCs**

• According to the historical review, the subject site was utilized for agricultural purposes from at least 1930 until the 1980s. While there is a potential that environmentally persistent pesticides/herbicides may have been applied to the crops grown on the subject site prior to the 1970s, no chemical mixing or chemical storage areas were observed during the site reconnaissance and no material evidence of the use of environmentally persistent pesticides/herbicides was obtained during this assessment. Therefore, the potential for elevated concentrations of environmentally persistent pesticides/herbicides to currently exist in the near-surface soils of the subject appears to be low.

It has been Krazan's experience that chemical analysis of shallow soil samples for persistent pesticides/herbicides in current or former agricultural areas does not typically result in concentrations reported above regulatory screening levels; however, it has also been Krazan's recent experience that Federal, State and Local agencies and/or financial lending institutions have

at times required "pesticide screening" of properties with current and/or former agricultural uses. If pesticide screening or further assessment is required by a government agency or financial lending institution, Krazan can assist with those requests.

- A former dry cleaner was located approximately 130 feet east of the subject site at 2094 West Redlands Boulevard, Suite G. According to the Environmental Data Resources, Inc. (EDR) database report, the facility's equipment used perchloroethylene (PCE) in its operation. The dry cleaner operated from at least 1997 until 2014 and under the names Redlands Pavilion Cleaners, Cleaners For Less, and Rainbow Cleaners. No spills, releases, or violations are listed for this facility; however, based on the length of operation (approximately 17 years) and the close proximity, the former dry cleaner represents a potential area of concern in connection with the subject site.
- A former gasoline service station was located approximately 140 feet to the north of the subject site and was the focus of an investigation for a release of gasoline to groundwater. The site was remediated via a soil vapor extraction (SVE) treatment system and the San Bernardino County Fire Department Hazardous Materials Division (SBCFD) issued case closure with no further action required on October 1, 2008. However, based on the close proximity to the subject site, there is potential that hydrocarbon vapors migrated onto the subject site from this former release. Therefore, this LUST site represents a potential environmental concern to the subject site.

Based on the proximity of the former LUST site and dry cleaners, Krazan recommended a Phase II Limited Site Assessment be conducted on the subject site to investigate the potential for volatile organic compounds (VOCs) in soil vapor from the former LUST site and the former dry cleaner operations to have impacted the subject site.

### **PURPOSE**

The purpose of the Phase II LSVA was to assess the presence or absence of VOCs in shallow soil vapor at the subject site due to the close proximity of the dry-cleaning facility.

The PAOC regarding the former use of pesticides on the subject site is not address in this report.

### SCOPE OF WORK

#### **General Activities**

The client and property owner were contacted regarding access to the property and scheduling of fieldwork. Soil boring locations were marked at the subject site and USA South was contacted a minimum of 48-hours before site work began. Krazan prepared a site-specific health and safety plan (HASP). Site safety protocols as identified in the HASP were followed by Krazan staff and subcontractors in the field. Krazan followed its standard operating procedures (SOPs) and industry standard methods and protocols for sample collection, chain of custody documentation and sampling equipment decontamination.

#### **Soil Vapor Assessment Field Activities**

On October 2, 2024, four (4) soil borings (SV1, SV2, SV3, and SV4) were drilled on the subject site by Strongarm Field Services and Environmental Testing of Fullerton, California. The soil vapor probes extended to 15.5 feet below ground surface (bgs) for the installation of dual-nested soil vapor probes at five (5) and 15 feet bgs. Soil vapor boring SV1 was placed near the location of the northern edge of the subject site closest to the former gasoline station, SV2 was placed along the eastern boundary of the subject site

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nearest to the adjacent off-site former dry-cleaner, and borings SV3 and SV4 were placed in the areas of the wash tunnel and car wash kiosk, respectively.

Soil vapor probes were installed and sampled using field procedures presented in the Advisory – Active Soil Gas Investigations published in July 2015 by the DTSC and the Los Angeles and San Francisco Regional Water Quality Control Boards.

Soil vapor probes were constructed with 1/4-inch outside diameter Teflon® tubing connected to a porous vapor probe tip and end cap. The probe tip was placed in the middle of a one-foot-thick sand pack. Approximately one (1) foot of granular dry bentonite was placed on top of the sand pack and the remainder of the soil boring was backfilled with hydrated bentonite. The soil vapor borings/probes were allowed to equilibrate for a minimum of two (2) hours prior to purging and sampling.

A leak test was conducted prior to purging and sampling of each soil vapor probe. Using a Magnehelic<sup>®</sup> gauge, the sample-train was held under a vacuum of at least 100 inches of water for a minimum of one minute without significant loss of vacuum.

Following a successful leak test, an attempt to purge a minimum of three (3) purge volumes of soil vapor using a Sensidyne<sup>®</sup> Gilian BDXII pump set at approximately 150 milliliters per minute (mL/min) was conducted. Well volumes were calculated using the length and inside diameter of the tubing and the soil boring diameter and the height of the sand pack and dry bentonite (both at approximately one (1)-foot). Default porosity parameters of sand (35%) and dry bentonite (30%) were used. Purging times ranged from approximately 8.11 minutes for the five (5) foot soil vapor probes up to approximately 8.93 minutes for the 14 to 15-foot soil vapor probes.

Following the purging at each soil vapor well, the vapor well was sampled using laboratory supplied equipment. Each soil vapor sample was collected using a manifold set at 150 to 200 mL/min to draw the soil vapor into a one (1)-liter Summa canister. A tracer gas, difluoroethane (1,1-DFA), was used to ensure ambient air did not infiltrate the soil vapor sample. Following the soil vapor sampling, the Teflon tubing was partially filled will granular bentonite and cut down, the surface was then backfilled with native soil and hydrated bentonite.

Eight (8) soil vapor samples were submitted to SunStar Laboratory, Inc., a State-approved laboratory for VOCs by EPA Method TO-15.

#### Reporting

Following completion of the field and laboratory investigation activities, Krazan prepared this *Report of Findings*.

# **APPLICABLE REGULATORY AGENCY REFERENCES**

Krazan's evaluation of the results and findings associated with the soil vapor sampling includes referencing the Revision 2 of the 2019 San Francisco Regional Water Quality Control Board's (SFRWQCB) environmental screening levels (ESLs) referenced in the technical document titled, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*. According to the SFRWQCB's document, ESLs are conservative. Under most circumstances and within limits described by the SFRWQCB, the presence of a chemical in soil vapor at concentrations below the corresponding Commercial/Industrial Exposure ESL for the respective constituent can be assumed not to pose a significant, long-term (chronic) threat to human health and the environment.

### **FINDINGS**

Soil types encountered appeared to be engineered fill consisting of silt, silty sand and sands. Formational geologic units were most likely encountered at various depths resulting in drilling refusal.

As shown on Table 1, 14 of the 53 VOCs analyzed (not including the tracer gas 1,1-DFA) were detected at or above the laboratory reporting limits (RLs). Of the 14 VOCs detected above the RLs, only PCE, in sample SV2, ( $86 \,\mu\text{g/m}3 \,@$  5' &  $200 \,\mu\text{g/m}3 \,@$  15') was detected above its corresponding Commercial ESL ( $67 \,\mu\text{g/m}3$ ). SV2 is located in a 30-foot-wide setback zone behind the car wash tunnel along the eastern property boundary of the subject site. In addition, soil vapor probe SV2 is located nearest to the former dry cleaner facility, formerly present on the east side of California Street. No other VOCs detected at or above the laboratory's RLs were reported above their corresponding Commercial ESLs, where established.

The tracer gas, 1,1-DFA was not detected at or above the laboratory's RL of 27  $\mu$ g/m<sup>3</sup>. Refer to Appendix A – Laboratory Analytical Report for details.

# **CONCLUSIONS**

Only PCE was detected in soil vapor above its corresponding Commercial ESL. PCE was detected above the Commercial ESL in soil gas sampling location SV2 at both the five (5) feet (86 µg/m3) and 15 feet bgs (200 µg/m3) sampling depths. As previously discussed, SV2 is located along the eastern boundary of the subject site. The subject site design plans designate the eastern boundary as an open landscape space. SV3 and SV4, located nearest to the subject site proposed indoor area and approximately 70 feet west of SV2, had traces of PCE concentration, with the highest record PCE concentration of 13 µg/m3 at SV4, which is below their respected Commercial ESL. The results indicate a nonhomogeneous PCE soil vapor concentration on the subject site, with a significant reduction from the eastern boundary to the central portion of the subject site. SV2 serves as a "hot spot" for PCE soil vapor and does not accurately reflect the subsoil conditions of the subject site. The USEPA's "OSWER Technical Guide For Assessing and Mitigating the Vapor Intrusion Pathway From Subsurface Vapor Sources to Indoor Air" states that the planned structure location at the subject site serves as a vapor intrusion mitigation measure against the SV2 PCE soil vapor concentration. Therefore, PCE in sampling location SV2 at concentrations exceeding its corresponding Commercial ESL is not deemed to pose a significant health risk to future onsite workers. SV3 and SV4 are considered a better representation of the subject site's subsoil condition, indicating the proposed indoor area PCE soil vapor concentration is below their respected Commercial ESL. Therefore, the PCE concentrations near the proposed structure are not deemed to pose a significant health risk to future onsite workers.

#### **LIMITATIONS**

This soil vapor investigation of the subject site has been limited in scope. These types of assessments are undertaken with the calculated risk that the presence, full nature, and extent of contamination would not be revealed by the methods employed. Therefore, no warranty is given, either expressed or implied, that hazardous material contamination, which would not have been disclosed through this investigation, does not exist at the subject site. Therefore, the data obtained are clear and accurate only to the degree implied by the sources and methods used. Matters related to reporting to regulators of subsurface conditions revealed by this soil vapor investigation are the responsibility of the property owner, and, if guidance is desired, legal counsel should be consulted.

The findings presented herewith are based on professional interpretation using state-of-the art methods and equipment and a degree of conservatism deemed proper as of this report date. We do not warrant that such data cannot be superseded by future geotechnical, environmental, or technical developments. This assessment and report were authorized by and prepared for the exclusive use of our client. Unauthorized use of or reliance on the information contained in this report without the expressed written consent of Krazan & Associates, Inc. is strictly prohibited.

## **CLOSING**

We appreciate the opportunity to be of service. If you have any questions regarding this report or if we can be of further assistance, please feel free to contact the undersigned at 559-348-2200.

MICHAEL H. BOWERY

Exp.

No.5027

Respectfully Submitted,

KRAZAN & ASSOCIATES, INC.



Michael H. Bowery, PG 5027 Senior Project Manager

Remington R. Alexander, PE 93713 Environmental Regional Manager

## MHB/RRA/mlt

#### Attachments:

Table 1 October 2, 2024, Soil Vapor Sampling Results – VOCs

Figure 1 Vicinity Map

Figure 2 Soil Vapor Sample Location Map Appendix A Laboratory Analytical Report

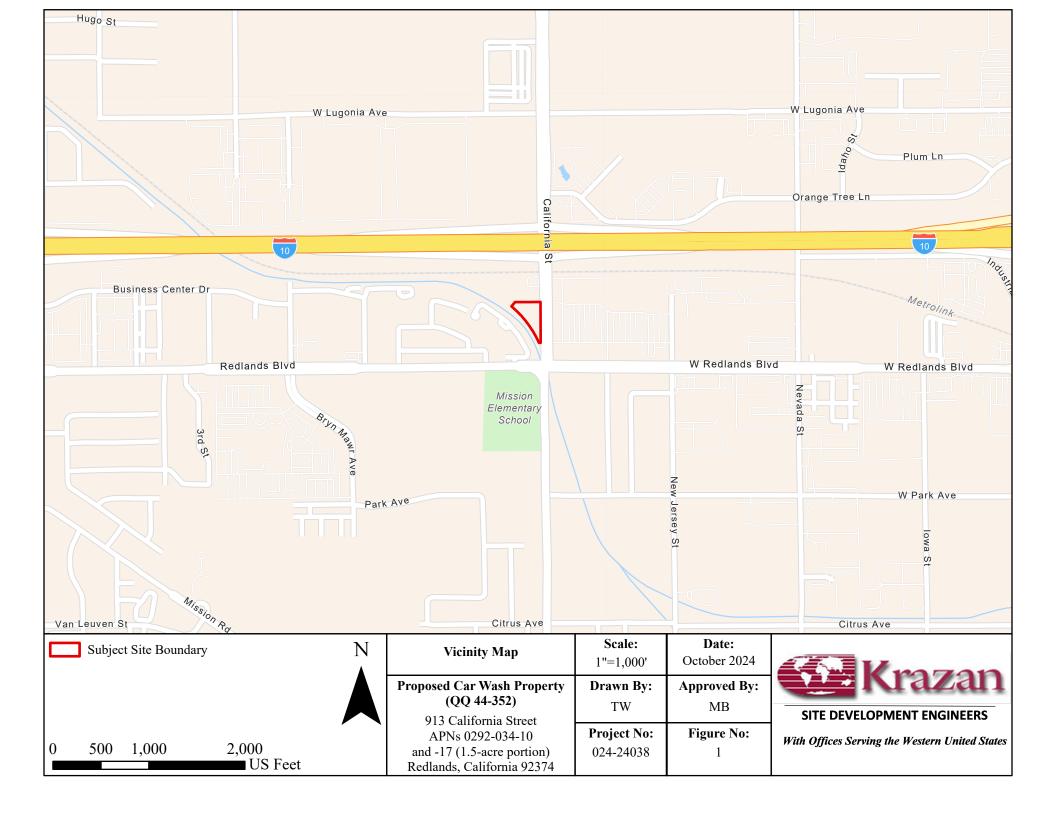
#### Table 1

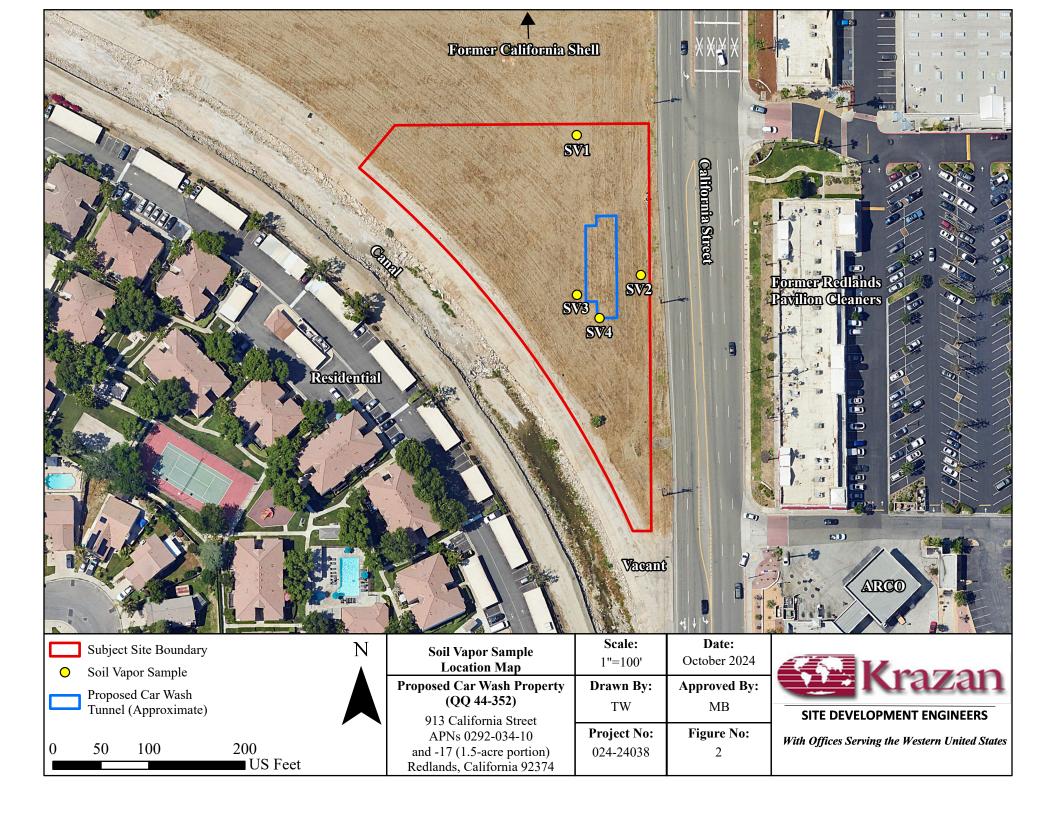
Proposed Car Wash (QQ 44-352) 913 California Street, Redlands, California 92374 October 14, 2024 - Soil Vapor Sample Results - VOCs

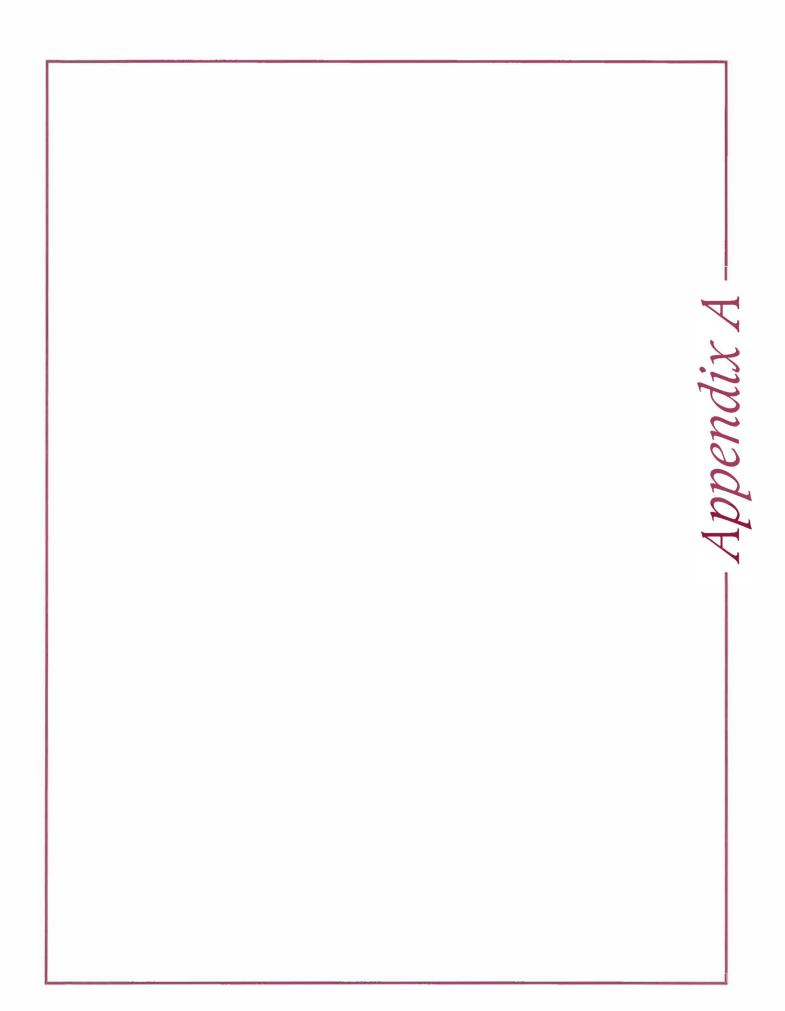
Concentrations are expressed in micrograms per cubic meter ( $\mu g/m^3$ )

Analytes  Acetone 1,3-Butadiene Carbon Disulfide 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) Isopropyl alcohol Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Chlorobenzene Chloroform Chloroform Chloromethane Cyclohexane Heptane Hexane	SV1-5 160 <4.5 <3.2 <7.7 14 <6.8 <11 <20 <6.4 <4.7	SV1-15  60 <4.5 <3.2 <7.7 <13 <6.8 <11 <20	SV2-5 340 <4.5 8.5 <7.7 18 <6.8	Samp SV2-15 230 <4.5 4.8 <7.7	SV3-5 95 <4.5 <3.2	SV3-15 56 <4.5	SV4-5 <b>66</b> <4.5	SV4-15 50 <4.5	Commercial ESLs 4.5E+06 n/c
1,3-Butadiene Carbon Disulfide 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) Isopropyl alcohol Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Chlorobenzene Chloroethane Chloromethane Cchloromethane Cchloromethane Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Heptane Heptane	<4.5 <3.2 <7.7 14 <6.8 <11 <20 <6.4	<4.5 <3.2 <7.7 <13 <6.8 <11	<4.5 <b>8.5</b> <7.7 <b>18</b>	<4.5 <b>4.8</b> <7.7	<4.5	<4.5			
Carbon Disulfide 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) Isopropyl alcohol Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Chlorobenzene Chloroform Chloroform Chloroform Cloromethane Cyclohexane Heptane Hexane	<3.2 <7.7 14 <6.8 <11 <20 <6.4	<3.2 <7.7 <13 <6.8 <11	8.5 <7.7 18	<b>4.8</b> < 7.7			<4.5	< 4 5	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) Isopropyl alcohol Bromodichloromethane Bromomethane Bromomethane Carbon tetrachloride Chlorobenzene Chloroform Chloroform Chloroform Cloromethane Cyclohexane Heptane Hexane	<7.7 14 <6.8 <11 <20 <6.4	<7.7 <13 <6.8 <11	<7.7 <b>18</b>	< 7.7	< 3.2			\ <b>T.</b> J	
Isopropyl alcohol Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane Cyclohexane Heptane Hexane	14 <6.8 <11 <20 <6.4	<13 <6.8 <11	18			< 3.2	5.3	< 3.2	
Bromodichloromethane Bromoomethane Bromomethane Carbon tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane Cyclohexane Heptane Hexane	<6.8 <11 <20 <6.4	<6.8 <11		4 -	< 7.7	< 7.7	< 7.7	< 7.7	
Bromoform Bromomethane Carbon tetrachloride Chlorobenzene Chloroethane Chloromethane Chloromethane Cyclohexane Heptane Hexane	<11 <20 <6.4	<11	< 6.8	16	<13	<13	<13	<13	
Bromomethane Carbon tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane Cyclohexane Heptane Hexane	<20 <6.4			< 6.8	< 6.8	< 6.8	< 6.8	<6.8	11 c
Carbon tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane Cyclohexane Heptane Hexane	< 6.4	-20	<11	<11	<11	<11	<11	<11	370 с
Chlorobenzene Chloroethane Chloroform Chloromethane Cyclohexane Heptane Hexane		<20	<20	< 20	< 20	< 20	< 20	<20	730 n/c
Chloroethane Chloroform Chloromethane Cyclohexane Heptane Hexane	< 47	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	68 c
Chloroform Chloromethane Cyclohexane Heptane Hexane	~	<4.7	< 4.7	<4.7	<4.7	<4.7	<4.7	<4.7	7300 n/c
Chloromethane Cyclohexane Heptane Hexane	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	1.5E+06 n/c
Cyclohexane Heptane Hexane	< 5.0	< 5.0	13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	18 c
Heptane Hexane	<11	<11	<11	<11	<11	<11	<11	<11	1.3E+04 n/c
Hexane	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	
	8.3	<4.2	10	<4.2	<4.2	<4.2	<4.2	<4.2	
	< 3.6	< 3.6	8.5	<3.6	< 3.6	< 3.6	< 3.6	< 3.6	
Dibromochloromethane	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	
1,2-Dibromoethane (EDB)	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	0.68 c
1,2-Dichlorobenzene	<31	<31	<31	<31	<31	<31	<31	<31	2.9E+04 n/c
1,3-Dichlorobenzene	<31	<31	<31	<31	<31	<31	<31	<31	
1,4-Dichlorobenzene	<31	<31	<31	<31	<31	<31	<31	<31	37 c
Dichlorodifluoromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
1,1-Dichloroethane	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	260 с
1,2-Dichloroethane (EDC)	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	16 c
1,1-Dichloroethene	< 4.0	<4.0	< 4.0	<4.0	< 4.0	<4.0	< 4.0	< 4.0	1.0E+04 n/c
cis-1,2-Dichloroethene	<4.0	<4.0	< 4.0	<4.0	<4.0	<4.0	<4.0	< 4.0	1200 n/c
trans-1,2-Dichloroethene	< 4.0	<4.0	< 4.0	<4.0	< 4.0	<4.0	<4.0	< 4.0	12000 n/c
1,2-Dichloropropane	<4.7	<4.7	< 4.7	<4.7	<4.7	<4.7	<4.7	<4.7	41 c
cis-1,3-Dichloropropene	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	
trans-1,3-Dichloropropene	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	
4-Ethyltoluene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Methylene chloride	<27	<27	<27	<27	<27	<27	<27	<27	410 c
Styrene	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	1.3E+05 n/c
1,1,2,2-Tetrachloroethane	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	7.0 c
Tetrahydrofuran	9.6	<3.0	14	9.6	15	<3.0	15	<3.0	
Tetrachloroethene	< 6.9	< 6.9	86	200	< 6.9	11	13	13	67 c
1,1,2-Trichloroethane	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	26 c
1,1,1-Trichloroethane	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	1.5E+05 n/c
Trichloroethene	< 5.5	< 5.5	< 5.5	<5.5	< 5.5	< 5.5	< 5.5	< 5.5	100 c
Trichlorofluoromethane	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	
1,3,5-Trimethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
1,2,4-Trimethylbenzene	< 5.0	< 5.0	5.9	8.0	< 5.0	<5.0	< 5.0	<5.0	
Vinyl acetate	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	
Vinyl chloride	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	5.2 c
1,4-Dioxane	<18	<18	<18	<18	<18	<18	<18	<18	53 c
2-Butanone (MEK)	28	<15	71	51	18	<15	18	<15	
Methyl isobutyl ketone	<42	<42	<42	<42	<42	<42	<42	<42	4.4E+05 n/c
Benzene	<3.3	<3.3	9.3	3.8	4.1	<3.3	6.1	<3.3	14 c
Toluene	14	5.4	45	22	24	5.5	36	8.5	4.4E+04 n/c
Ethylbenzene	<4.4	<4.4	6.5	<4.4	<4.4	<4.4	5.4	<4.4	160 c
m,p-Xylene	12	< 8.8	21	<8.8	<8.8	<8.8	17	<8.8	1.5E+04 n/c
o-Xylene	< 4.4	<4.4	7.3	<4.4	<4.4	<4.4	7.5	<4.4	1.5E+04 n/c
1,1-Difluoroethane (1,1-DFA)	<27	<27	<27	<27	<27	<27	<27	<27	1.515±04 II/C
Carbon Dioxide	<1.86	-		-	<1.92	-			
Oxygen	21.2	-	-	-	21.2	-	-	-	
Nitrogen	75.0	-	-	-	72.5	-	-	-	

| Nitrogen | 75.0 | - 72.5 | - |
| NotoS = Volitile Organic Compounds by EPA Method TO-15
| ESL = San Francisco Bay Regional Water Quality Control Board, Commercial Environmental Screening Levels, January 2019 Rev. 2
| Bolded = Concentrations reported higher than the laboratory reporting limit (RL). |
| Underlined | = Concentrations reported higher than Commercial ESLs. |
| Italicized = Not-detected; the RL is displayed. |
| n/c = Non-cancerous | c = Cancerous |
| - = Not established | - = Not tested |











14 October 2024

Mike Bowery Krazan, Clovis 215 West Dakota Avenue Clovis, CA 93612

RE: Redlands QQ 44-352

Enclosed are the results of analyses for samples received by the laboratory on 10/03/24 14:47. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Lee

**Project Manager** 



Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number:024-24038Reported:Clovis CA, 93612Project Manager:Mike Bowery10/14/24 16:23

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV1-5	T243969-01	Air	10/02/24 12:28	10/03/24 14:47
SV1-15	T243969-02	Air	10/02/24 12:00	10/03/24 14:47
SV2-5	T243969-03	Air	10/02/24 01:26	10/03/24 14:47
SV2-15	T243969-04	Air	10/02/24 12:59	10/03/24 14:47
SV3-5	T243969-05	Air	10/02/24 02:25	10/03/24 14:47
SV3-15	T243969-06	Air	10/02/24 01:57	10/03/24 14:47
SV4-5	T243969-07	Air	10/02/24 03:24	10/03/24 14:47
SV4-15	T243969-08	Air	10/02/24 02:55	10/03/24 14:47

SunStar Laboratories, Inc.

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

Jeff Lee, Project Manager Page 1 of 26



Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

### **DETECTIONS SUMMARY**

Sample ID: SV1-5	Labora	tory ID:	T243969-01		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Acetone	160	12	ug/m³ Air	TO-15	
Isopropyl alcohol	14	13	ug/m³ Air	TO-15	
Heptane	8.3	4.2	ug/m³ Air	TO-15	
Tetrahydrofuran	9.6	3.0	ug/m³ Air	TO-15	
2-Butanone (MEK)	28	15	ug/m³ Air	TO-15	
Toluene	14	3.8	ug/m³ Air	TO-15	
m,p-Xylene	12	8.8	ug/m³ Air	TO-15	
Oxygen	21.2	1.86	%	GC	FG-03
Nitrogen	75.0	30.0	%	GC	
Sample ID: SV1-15	Labora	tory ID:	T243969-02		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Acetone	60	12	ug/m³ Air	TO-15	
Toluene	5.4	3.8	ug/m³ Air	TO-15	
Sample ID: SV2-5	Labora	tory ID:	T243969-03		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Acetone	340	12	ug/m³ Air	TO-15	
Carbon Disulfide	8.5	3.2	ug/m³ Air	TO-15	
Isopropyl alcohol	18	13	ug/m³ Air	TO-15	
Chloroform	13	5.0	ug/m³ Air	TO-15	
Heptane	10	4.2	ug/m³ Air	TO-15	
Hexane	8.5	3.6	ug/m³ Air	TO-15	
Tetrahydrofuran	14	3.0	ug/m³ Air	TO-15	
Tetrachloroethene	86	6.9	ug/m³ Air	TO-15	
1,2,4-Trimethylbenzene	5.9	5.0	ug/m³ Air	TO-15	
2-Butanone (MEK)	71	15	ug/m³ Air	TO-15	
				mo 4.5	
Benzene	9.3	3.3	ug/m³ Air	TO-15	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

Sample ID: SV2-5	Laborat	ory ID:	T243969-03		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Ethylbenzene	6.5	4.4	ug/m³ Air	TO-15	
m,p-Xylene	21	8.8	ug/m³ Air	TO-15	
o-Xylene	7.3	4.4	ug/m³ Air	TO-15	
Sample ID: SV2-15	Laborat	ory ID:	T243969-04		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Acetone	230	12	ug/m³ Air	TO-15	
Carbon Disulfide	4.8	3.2	ug/m³ Air	TO-15	
Isopropyl alcohol	16	13	ug/m³ Air	TO-15	
Tetrahydrofuran	9.6	3.0	ug/m³ Air	TO-15	
Tetrachloroethene	200	6.9	ug/m³ Air	TO-15	
1,2,4-Trimethylbenzene	8.0	5.0	ug/m³ Air	TO-15	
2-Butanone (MEK)	51	15	ug/m³ Air	TO-15	
Benzene	3.8	3.3	ug/m³ Air	TO-15	
Toluene	22	3.8	ug/m³ Air	TO-15	
Sample ID: SV3-5	Laborat	ory ID:	T243969-05		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Acetone	95	12	ug/m³ Air	TO-15	
Tetrahydrofuran	15	3.0	ug/m³ Air	TO-15	
2-Butanone (MEK)	18	15	ug/m³ Air	TO-15	
Benzene	4.1	3.3	ug/m³ Air	TO-15	
Toluene	24	3.8	ug/m³ Air	TO-15	
Oxygen	21.2	1.92	%	GC	FG-03
Nitrogen	72.5	30.0	%	GC	
Sample ID: SV3-15	Laborat	ory ID:	T243969-06		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
•	56	12	ug/m³ Air	TO-15	
Acetone	50	12			
Acetone Tetrachloroethene	11	6.9	ug/m³ Air	TO-15	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

Sample ID: SV4-5	Labora	tory ID:	T243969-07		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Acetone	66	12	ug/m³ Air	TO-15	
Carbon Disulfide	5.3	3.2	ug/m³ Air	TO-15	
Tetrahydrofuran	15	3.0	ug/m³ Air	TO-15	
Tetrachloroethene	13	6.9	ug/m³ Air	TO-15	
2-Butanone (MEK)	18	15	ug/m³ Air	TO-15	
Benzene	6.1	3.3	ug/m³ Air	TO-15	
Toluene	36	3.8	ug/m³ Air	TO-15	
Ethylbenzene	5.4	4.4	ug/m³ Air	TO-15	
m,p-Xylene	17	8.8	ug/m³ Air	TO-15	
o-Xylene	7.5	4.4	ug/m³ Air	TO-15	
Sample ID: SV4-15	Labora	tory ID:	T243969-08		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Acetone	50	12	ug/m³ Air	TO-15	
Tetrachloroethene	13	6.9	ug/m³ Air	TO-15	
Toluene	8.5	3.8	ug/m³ Air	TO-15	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV1-5 T243969-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratorie	es, Inc.					
TO-15									
Acetone	160	12	ug/m³ Air	1.86	24J0086	10/07/24	10/07/24	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	**	11	"	
Carbon Disulfide	ND	3.2	**	"	"	**	11	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	TI.	11	Ħ	11	н	Ħ	
Isopropyl alcohol	14	13	**	11	"	**	III	T T	
Bromodichloromethane	ND	6.8	**	"	**	**	"	n	
Bromoform	ND	11	**	"	**	**	"	n	
Bromomethane	ND	20	**	11	**	**	m	T T	
Carbon tetrachloride	ND	6.4	**	11	**	**	II	TI .	
Chlorobenzene	ND	4.7	**	11	17	11	m	TT .	
Chloroethane	ND	2.7	**	11	17	**	m	TT .	
Chloroform	ND	5.0	**	11	"	**	m	TT .	
Chloromethane	ND	11	**	11	"	**	n	TT .	
Cyclohexane	ND	3.5	**	"	"	**	II .	17	
Heptane	8.3	4.2	**	11	**	**	n	n	
Hexane	ND	3.6	**	"	**	**	"	n	
Dibromochloromethane	ND	8.7	**	"	**	**	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	**	"	"	**	"	"	
1,2-Dichlorobenzene	ND	31	**	"	17	**	m .	"	
1,3-Dichlorobenzene	ND	31	**	11	17	**	m	TT .	
1,4-Dichlorobenzene	ND	31	**	"	17	**	m .	"	
Dichlorodifluoromethane	ND	5.0	**	11	17	**	m .	"	
1,1-Dichloroethane	ND	4.1	**	"	"	**	II .	17	
1,2-Dichloroethane	ND	4.1	**	"	"	**	II .	Ħ	
1,1-Dichloroethene	ND	4.0	**	"	**	**	"	T T	
cis-1,2-Dichloroethene	ND	4.0	**	"	**	**	11	"	
trans-1,2-Dichloroethene	ND	4.0	**	"	**	**	11	"	
1,2-Dichloropropane	ND	4.7	**	"	**	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	**	"	**	**		n	
trans-1,3-Dichloropropene	ND	4.6	**	"	Ħ	**	H .	n	
4-Ethyltoluene	ND	5.0	**	"	**	**	"	**	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV1-5 T243969-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar I	Laboratorie	s, Inc.					
TO-15									
Methylene chloride	ND	27	ug/m³ Air	1.86	24J0086	10/07/24	10/07/24	TO-15	
Styrene	ND	4.3	"	"	**	11	II	11	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	**	Ħ	II	11	
Tetrahydrofuran	9.6	3.0	"	"	**	**	11	"	
Tetrachloroethene	ND	6.9	"	**	"	**	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	11	11	II	TT .	
1,1,1-Trichloroethane	ND	5.6	"	"	11	11	II	TT .	
Trichloroethene	ND	5.5	"	"	11	11	II	TT .	
Trichlorofluoromethane	ND	5.7	"	"	11	11	II	TT .	
1,3,5-Trimethylbenzene	ND	5.0	"	"	11	11	II	11	
1,2,4-Trimethylbenzene	ND	5.0	"	"	**	11	II	11	
Vinyl acetate	ND	3.6	"	"	**	Ħ	II	TT .	
Vinyl chloride	ND	2.6	"	"	**	Ħ	II	Ħ	
1,4-Dioxane	ND	18	**	"	**	"	"	"	
2-Butanone (MEK)	28	15	11	"	**	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	**	***	Ħ	"	
Benzene	ND	3.3	"	"	11	11	II	TT .	
Toluene	14	3.8	"	"	11	11	II	TT .	
Ethylbenzene	ND	4.4	"	"	**	**	"	"	
m,p-Xylene	12	8.8	"	"	**	**	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	27	"	n	"	n	n.	u u	
Surrogate: 4-Bromofluorobenzene		97.7 %	59.2	130	"	n.	"	"	
Fixed Gases ASTM D1946-90									
Carbon Dioxide	ND	1.86	%	1.86	24J0177	10/10/24	10/10/24	GC	
Oxygen	21.2	1.86	"	n	**	Ħ	It	Ħ	FG-03
Nitrogen	75.0	30.0	"	1	17	17	H.	11	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV1-15 T243969-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar I	∟aboratorie	s, Inc.					
TO-15									
Acetone	60	12	ug/m³ Air	1.84	24J0086	10/07/24	10/07/24	TO-15	
1,3-Butadiene	ND	4.5	**	"	Ħ	Ħ	"	ti .	
Carbon Disulfide	ND	3.2	**	"	Ħ	**	"	ti .	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	ч	"	"	"	"	"	
Isopropyl alcohol	ND	13	**	"	**	**	"	n	
Bromodichloromethane	ND	6.8	**	"	**	**	"	n	
Bromoform	ND	11	**	"	**	**	"	"	
Bromomethane	ND	20	"	**	"	**	m .	"	
Carbon tetrachloride	ND	6.4	"	**	"	**	"	"	
Chlorobenzene	ND	4.7	"	**	**	**	m .	"	
Chloroethane	ND	2.7	**	"	11	11	n	11	
Chloroform	ND	5.0	**	"	"	11	n	11	
Chloromethane	ND	11	**	"	"	11	II .	TI .	
Cyclohexane	ND	3.5	**	"	ti .	11	II .	n	
Heptane	ND	4.2	**	"	u	"	II .	n	
Hexane	ND	3.6	**	"	u	**	n .	n	
Dibromochloromethane	ND	8.7	**	"	u	**	n .	n	
1,2-Dibromoethane (EDB)	ND	7.8	**	"	**	"	"	n	
1,2-Dichlorobenzene	ND	31	"	"	"	**	11	**	
1,3-Dichlorobenzene	ND	31	"	"	**	**	"	"	
1,4-Dichlorobenzene	ND	31	"	**	**	**	"	"	
Dichlorodifluoromethane	ND	5.0	"	**	**	**	"	"	
1,1-Dichloroethane	ND	4.1	"	**	"	**	"	"	
1,2-Dichloroethane	ND	4.1	"	**	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	**	"	**	m .	"	
cis-1,2-Dichloroethene	ND	4.0	**	**	**	**	m	11	
trans-1,2-Dichloroethene	ND	4.0	**	"	**	**	m	11	
1,2-Dichloropropane	ND	4.7	**	"	Ħ	11	II .	ti .	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	n .	n	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	11	"	
4-Ethyltoluene	ND	5.0	"	"	**	"	"	ti.	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV1-15 T243969-02 (Air)

Analyte Re	Reporting sult Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	SunStar I	Laboratorie	es, Inc.			<u> </u>		
TO-15								
	ND 27	ug/m³ Air	1.84	24J0086	10/07/24	10/07/24	TO-15	
Styrene	ND 4.3	"	"	**	"	11	Ħ	
1,1,2,2-Tetrachloroethane	ND 7.0	n	"	**	"	11	ri .	
Tetrahydrofuran	ND 3.0	n	"	**	**	11	ti .	
Tetrachloroethene	ND 6.9	n	"	**	**	"	"	
1,1,2-Trichloroethane	ND 5.6	"	"	**	Ħ	11	Ħ	
1,1,1-Trichloroethane	ND 5.6	n	"	**	**	"	**	
Trichloroethene	ND 5.5	n	"	**	**	**	**	
Trichlorofluoromethane	ND 5.7	n	"	**	**	"	"	
1,3,5-Trimethylbenzene	ND 5.0	n	"	**	**	"	"	
1,2,4-Trimethylbenzene	ND 5.0	n	"	**	**	11	n	
Vinyl acetate	ND 3.6	n	"	"	"	11	n	
Vinyl chloride	ND 2.6	n	"	"	"	n.	TI .	
1,4-Dioxane	ND 18	n	"	"	11	n.	TI .	
2-Butanone (MEK)	ND 15	n	"	**	"	n	"	
	ND 42	n	"	**	"	n	"	
Benzene	ND 3.3	n	"	**	"	11	TT .	
Toluene	<b>5.4</b> 3.8	n	"	**	"	"	"	
Ethylbenzene 1	ND 4.4	"	"	n	Ħ	II	Ħ	
m,p-Xylene	ND 8.8	n	"	**	"	H.	n	
	ND 4.4	n	"	"	"	"	"	
	ND 27	n	"	**	"	n.	"	
Surrogate: 4-Bromofluorobenzene	93.9 %	59.2-	130	"	"	n	"	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV2-5 T243969-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar I	Laboratorie	s, Inc.					
TO-15									
Acetone	340	12	ug/m³ Air	1.81	24J0086	10/07/24	10/07/24	TO-15	
1,3-Butadiene	ND	4.5	"	"	**	**	W.	"	
Carbon Disulfide	8.5	3.2	"	"	**	**	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	11	"	"	II	"	
Isopropyl alcohol	18	13	"	"	"	**	"	u u	
Bromodichloromethane	ND	6.8	"	"	"	"	"	n	
Bromoform	ND	11	"	"	**	**	"	"	
Bromomethane	ND	20	"	"	**	**	"	"	
Carbon tetrachloride	ND	6.4	"	"	**	**	H	"	
Chlorobenzene	ND	4.7	"	"	**	**	**	"	
Chloroethane	ND	2.7	"	**	**	**	**	**	
Chloroform	13	5.0	"	11	**	**	11	**	
Chloromethane	ND	11	"	"	u	ti .	W	"	
Cyclohexane	ND	3.5	"	"	**	**	"	"	
Heptane	10	4.2	"	"	**	**	n	n .	
Hexane	8.5	3.6	"	"	"	**	"	u,	
Dibromochloromethane	ND	8.7	"	11	**	**	If	ti .	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	**	**	11	n	
1,2-Dichlorobenzene	ND	31	"	"	**	**	"	n	
1,3-Dichlorobenzene	ND	31	"	"	**	**	"	"	
1,4-Dichlorobenzene	ND	31	"	"	**	**	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	**	**	"	"	
1,1-Dichloroethane	ND	4.1	"	"	**	**	H	"	
1,2-Dichloroethane	ND	4.1	"	11	**	**	11	**	
1,1-Dichloroethene	ND	4.0	"	11	17	11	II	TT .	
cis-1,2-Dichloroethene	ND	4.0	"	11	17	11	II	TT .	
trans-1,2-Dichloroethene	ND	4.0	"	"	Ħ	11	II	u	
1,2-Dichloropropane	ND	4.7	"	"	"	"	11	n	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	**	n.	"	
trans-1,3-Dichloropropene	ND	4.6	"	11	"	**	W	"	
4-Ethyltoluene	ND	5.0	"	11	**	**	W	"	
Methylene chloride	ND	27	"	"	"	**	H	**	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV2-5 T243969-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
· ·									
		SunStar I	aboratorie	es, Inc.					
TO-15									
Styrene	ND	4.3	ug/m³ Air	1.81	24J0086	10/07/24	10/07/24	TO-15	
1,1,2,2-Tetrachloroethane	ND	7.0	"	11	**	**	H .	**	
Tetrahydrofuran	14	3.0	"	11	**	**	H .	Ħ	
Tetrachloroethene	86	6.9	"	"	**	**	**	"	
1,1,2-Trichloroethane	ND	5.6	"	11	"	"	W .	"	
1,1,1-Trichloroethane	ND	5.6	"	11	**	**	n.	n	
Trichloroethene	ND	5.5	"	11	Ħ	**	It	Ħ	
Trichlorofluoromethane	ND	5.7	"	11	Ħ	**	It	Ħ	
1,3,5-Trimethylbenzene	ND	5.0	11	"	Ħ	**	"	n	
1,2,4-Trimethylbenzene	5.9	5.0	11	"	**	**	"	n	
Vinyl acetate	ND	3.6	"	"	**	11	H .	Ħ	
Vinyl chloride	ND	2.6	"	"	**	**	H .	Ħ	
1,4-Dioxane	ND	18	"	"	u	"	II .	n	
2-Butanone (MEK)	71	15	**	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	11	Ħ	n	H .	ti .	
Benzene	9.3	3.3	"	"	Ħ	n	H .	Ħ	
Toluene	45	3.8	"	11	**	**	n .	**	
Ethylbenzene	6.5	4.4	"	"	**	**	"	**	
m,p-Xylene	21	8.8	"	"	u	**	"	"	
o-Xylene	7.3	4.4	11	"	**	**	"	**	
1,1-Difluoroethane (1,1-DFA)	ND	27	**	11	Ħ	11	11	n	
Surrogate: 4-Bromofluorobenzene		96.7 %	59.2	130	"	"	"	"	

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Jeff Lee, Project Manager Page 10 of 26



Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV2-15 T243969-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar I	Laboratorie	s, Inc.		_	_		
<u>TO-15</u>									
Acetone	230	12	ug/m³ Air	1.84	24J0086	10/07/24	10/07/24	TO-15	
1,3-Butadiene	ND	4.5	11	"	**	**	"	n	
Carbon Disulfide	4.8	3.2	11	"	**	**	"	n	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	11	"	"	"	**	
Isopropyl alcohol	16	13	"	"	11	Ħ	II	TI .	
Bromodichloromethane	ND	6.8	"	11	Ħ	Ħ	H	11	
Bromoform	ND	11	"	11	Ħ	Ħ	H	tt.	
Bromomethane	ND	20	"	"	**	Ħ	**	ti .	
Carbon tetrachloride	ND	6.4	**	"	**	**	"	n	
Chlorobenzene	ND	4.7	"	"	**	Ħ	H	tt.	
Chloroethane	ND	2.7	"	"	**	**	"	n .	
Chloroform	ND	5.0	"	"	**	**	"	n.	
Chloromethane	ND	11	"	"	11	11	II	TI .	
Cyclohexane	ND	3.5	"	n	11	Ħ	II	TI .	
Heptane	ND	4.2	"	11	11	"	n	11	
Hexane	ND	3.6	"	11	11	**	n	11	
Dibromochloromethane	ND	8.7	"	11	11	**	n	11	
1,2-Dibromoethane (EDB)	ND	7.8	"	11	11	**	m	TI .	
1,2-Dichlorobenzene	ND	31	"	11	***	**	III	TI .	
1,3-Dichlorobenzene	ND	31	"	11	Ħ	Ħ	n	11	
1,4-Dichlorobenzene	ND	31	"	11	**	**	H .	TI .	
Dichlorodifluoromethane	ND	5.0	"	"	**	**	n .	u u	
1,1-Dichloroethane	ND	4.1	"	"	**	**	n .	u u	
1,2-Dichloroethane	ND	4.1	"	11	**	Ħ	H .	TT.	
1,1-Dichloroethene	ND	4.0	"	"	**	**	n .	TT.	
cis-1,2-Dichloroethene	ND	4.0	"	"	**	**	n	**	
trans-1,2-Dichloroethene	ND	4.0	"	11	11	**	II .	11	
1,2-Dichloropropane	ND	4.7	"	11	17	11	II .	TT.	
cis-1,3-Dichloropropene	ND	4.6	**	"	"	"	n .	u.	
trans-1,3-Dichloropropene	ND	4.6	**	"	**	"	11	u	
4-Ethyltoluene	ND	5.0	"	"	11	**	II .	11	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV2-15 T243969-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar I	Laboratorie	es, Inc.					
TO-15									
Methylene chloride	ND	27	ug/m³ Air	1.84	24J0086	10/07/24	10/07/24	TO-15	
Styrene	ND	4.3	"	"	"	"	W	n	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	W	**	
Tetrahydrofuran	9.6	3.0	"	"	"	**	H.	**	
Tetrachloroethene	200	6.9	"	"	"	"	H	**	
1,1,2-Trichloroethane	ND	5.6	"	"	**	"	11	"	
1,1,1-Trichloroethane	ND	5.6	n	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	H	**	
Trichlorofluoromethane	ND	5.7	II .	"	**	**	H	**	
1,3,5-Trimethylbenzene	ND	5.0	"	"	**	**	H.	**	
1,2,4-Trimethylbenzene	8.0	5.0	"	**	**	u u	H.	**	
Vinyl acetate	ND	3.6	"	"	"	"	II.	**	
Vinyl chloride	ND	2.6	"	"	"	"	W	17	
1,4-Dioxane	ND	18	u	"	"	"	H	11	
2-Butanone (MEK)	51	15	"	"	"	"	W	**	
Methyl isobutyl ketone	ND	42	"	"	**	**	"	"	
Benzene	3.8	3.3	n	"	"	"	H.	"	
Toluene	22	3.8	"	"	"	"	11	"	
Ethylbenzene	ND	4.4	"	**	**	**	H	**	
m,p-Xylene	ND	8.8	"	"	**	"	11	"	
o-Xylene	ND	4.4	"	"	"	"	II.	"	
1,1-Difluoroethane (1,1-DFA)	ND	27	"	n	"	"	H	11	
Surrogate: 4-Bromofluorobenzene		98.4 %	59.2-	130	"	"	"	"	

SunStar Laboratories, Inc.

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV3-5 T243969-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar I	∟aboratorie	s, Inc.					
TO-15									
Acetone	95	12	ug/m³ Air	1.92	24J0086	10/07/24	10/07/24	TO-15	
1,3-Butadiene	ND	4.5	**	"	**	**	H	ti .	
Carbon Disulfide	ND	3.2	**	"	**	**	11	n	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	ч	"	"	"	"	"	
Isopropyl alcohol	ND	13	**	"	**	**	"	n	
Bromodichloromethane	ND	6.8	**	"	**	**	"	n	
Bromoform	ND	11	**	"	**	**	"	"	
Bromomethane	ND	20	**	"	**	**	"	"	
Carbon tetrachloride	ND	6.4	"	**	**	**	W	"	
Chlorobenzene	ND	4.7	**	**	**	**	W	"	
Chloroethane	ND	2.7	"	11	***	**	W	TI .	
Chloroform	ND	5.0	**	"	11	**	11	11	
Chloromethane	ND	11	**	"	17	11	II	TI .	
Cyclohexane	ND	3.5	**	"	11	11	II	ti .	
Heptane	ND	4.2	**	"	**	**	II	ti .	
Hexane	ND	3.6	**	"	**	**	11	n	
Dibromochloromethane	ND	8.7	**	"	**	**	11	n	
1,2-Dibromoethane (EDB)	ND	7.8	**	"	**	**	11	n	
1,2-Dichlorobenzene	ND	31	**	"	**	**	H	ti .	
1,3-Dichlorobenzene	ND	31	**	"	**	**	11	n	
1,4-Dichlorobenzene	ND	31	**	"	**	**	"	n	
Dichlorodifluoromethane	ND	5.0	**	"	**	**	"	n	
1,1-Dichloroethane	ND	4.1	**	"	**	**	"	n	
1,2-Dichloroethane	ND	4.1	**	"	"	"	"	n	
1,1-Dichloroethene	ND	4.0	**	"	**	"	"	u.	
cis-1,2-Dichloroethene	ND	4.0	**	"	**	**	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	11	17	17	n	TI .	
1,2-Dichloropropane	ND	4.7	**	"	**	**	H	11	
cis-1,3-Dichloropropene	ND	4.6	**	"	**	**	H	11	
trans-1,3-Dichloropropene	ND	4.6	**	"	**	**	11	ti .	
4-Ethyltoluene	ND	5.0	"	**	**	**	H.	11	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV3-5 T243969-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar l	Laboratorie	es, Inc.					
TO-15									
Methylene chloride	ND	27	ug/m³ Air	1.92	24J0086	10/07/24	10/07/24	TO-15	
Styrene	ND	4.3	"	"	"	"	H	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	H .	"	
Tetrahydrofuran	15	3.0	"	"	"	"	H .	"	
Tetrachloroethene	ND	6.9	"	"	"	"	H	Ħ	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	H	TT .	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	R	TT .	
Trichloroethene	ND	5.5	"	"	"	"	R	TT .	
Trichlorofluoromethane	ND	5.7	"	"	"	"	R	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	H	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	H	"	
Vinyl acetate	ND	3.6	"	"	**	"	H	"	
Vinyl chloride	ND	2.6	u	"	**	**	H	"	
1,4-Dioxane	ND	18	"	"	"	"	n .	"	
2-Butanone (MEK)	18	15	"	"	"	**	n .	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	R	TT .	
Benzene	4.1	3.3	"	"	"	"	R	TT .	
Toluene	24	3.8	"	"	**	**	II	Ħ	
Ethylbenzene	ND	4.4	"	"	"	"	II.	TT.	
m,p-Xylene	ND	8.8	"	"	**	**	II	n	
o-Xylene	ND	4.4	"	"	**	**	II	n	
1,1-Difluoroethane (1,1-DFA)	ND	27	"	"	**	**	II	n	
Surrogate: 4-Bromofluorobenzene		99.5 %	59.2-	130	"	"	"	"	
Fixed Gases ASTM D1946-90									
Carbon Dioxide	ND	1.92	%	1.92	24J0177	10/10/24	10/10/24	GC	
Oxygen	21.2	1.92	"	"	**	**	H	"	FG-03
Nitrogen	72.5	30.0	"	1	**	**	IF	**	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota Avenue Project Number: 024-24038 Reported:
Clovis CA, 93612 Project Manager: Mike Bowery 10/14/24 16:23

# SV3-15 T243969-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratorie	s, Inc.		_ <del>_</del>	_ <del>_</del>		
TO-15									
Acetone	56	12	ug/m³ Air	1.98	24J0086	10/07/24	10/07/24	TO-15	
1,3-Butadiene	ND	4.5	"	**	n	**	n .	**	
Carbon Disulfide	ND	3.2	**	**	n	**	H	**	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	**	"	17	H	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	**	
Bromodichloromethane	ND	6.8	**	"	"	"	"	u .	
Bromoform	ND	11	**	"	"	"	"	u .	
Bromomethane	ND	20	**	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	**	"	"	"	"	"	
Chlorobenzene	ND	4.7	**	"	"	"	n	"	
Chloroethane	ND	2.7	**	"	"	"	n	"	
Chloroform	ND	5.0	**	"	"	"	n	"	
Chloromethane	ND	11	**	"	"	n	n	"	
Cyclohexane	ND	3.5	**	"	"	"	n	**	
Heptane	ND	4.2	"	"	"	"	"	ti	
Hexane	ND	3.6	"	"	"	"	"	ti	
Dibromochloromethane	ND	8.7	**	"	"	"	m .	**	
1,2-Dibromoethane (EDB)	ND	7.8	**	"	n	"	n .	tt	
1,2-Dichlorobenzene	ND	31	***	"	n	**	n .	**	
1,3-Dichlorobenzene	ND	31	***	"	n	**	n .	**	
1,4-Dichlorobenzene	ND	31	**	**	n	**	n .	**	
Dichlorodifluoromethane	ND	5.0	**	**	n	**	H	**	
1,1-Dichloroethane	ND	4.1	**	**	u	**	H	**	
1,2-Dichloroethane	ND	4.1	**	"	"	"	n	"	
1,1-Dichloroethene	ND	4.0	**	"	**	"	II	**	
cis-1,2-Dichloroethene	ND	4.0	**	"	17	17	m	11	
trans-1,2-Dichloroethene	ND	4.0	**	"	17	17	n	11	
1,2-Dichloropropane	ND	4.7	**	"	n	17	II	Ħ	
cis-1,3-Dichloropropene	ND	4.6	**	"	n	Ħ	II	II .	
rans-1,3-Dichloropropene	ND	4.6	**	"	"	"	II	"	
4-Ethyltoluene	ND	5.0	"	"	"	n	11	**	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV3-15 T243969-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratorie	es, Inc.					
TO-15									
Methylene chloride	ND	27	ug/m³ Air	1.98	24J0086	10/07/24	10/07/24	TO-15	
Styrene	ND	4.3	"	"	Ħ	Ħ	n .	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	Ħ	m .	n	
Tetrahydrofuran	ND	3.0	"	"	**	Ħ	m .	n	
Tetrachloroethene	11	6.9	"	"	**	Ħ	H .	TI .	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	17	17	m	"	
Trichloroethene	ND	5.5	"	"	17	17	m	TT .	
Trichlorofluoromethane	ND	5.7	"	"	"	11	m	11	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	11	m	11	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	**	m .	11	
Vinyl acetate	ND	3.6	"	"	"	Ħ	H .	11	
Vinyl chloride	ND	2.6	"	"	Ħ	Ħ	H .	ti .	
1,4-Dioxane	ND	18	"	"	Ħ	Ħ	II	ti .	
2-Butanone (MEK)	ND	15	**	"	Ħ	Ħ	H .	n	
Methyl isobutyl ketone	ND	42	"	"	Ħ	Ħ	**	u	
Benzene	ND	3.3	11	"	**	**	"	n	
Toluene	5.5	3.8	11	"	**	**	"	n	
Ethylbenzene	ND	4.4	"	n	"	Ħ	II .	n	
m,p-Xylene	ND	8.8	"	n	"	Ħ	II .	n	
o-Xylene	ND	4.4	11	"	"	"	11	n	
1,1-Difluoroethane (1,1-DFA)	ND	27	u u	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.6 %	59.2-	130	"	"	"	n	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV4-5 T243969-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	∟aboratorie	s, Inc.					
TO-15									
Acetone	66	12	ug/m³ Air	1.94	24J0086	10/07/24	10/07/24	TO-15	
1,3-Butadiene	ND	4.5	**	"	n	Ħ	"	Ħ	
Carbon Disulfide	5.3	3.2	**	"	Ħ	**	"	**	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	***	"	"	"	"	11	
Isopropyl alcohol	ND	13	"	"	Ħ	Ħ	II .	II	
Bromodichloromethane	ND	6.8	**	"	"	"	n.	"	
Bromoform	ND	11	**	"	"	"	n.	"	
Bromomethane	ND	20	"	"	"	"	"	ti	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	ti	
Chlorobenzene	ND	4.7	"	"	"	"	"	ti	
Chloroethane	ND	2.7	"	**	"	Ħ	n .	ti .	
Chloroform	ND	5.0	"	**	"	Ħ	"	ti .	
Chloromethane	ND	11	"	**	"	Ħ	"	ti .	
Cyclohexane	ND	3.5	**	**	"	**	"	Ħ	
Heptane	ND	4.2	"	**	"	Ħ	"	tt	
Hexane	ND	3.6	"	**	**	"	"	u .	
Dibromochloromethane	ND	8.7	"	**	**	**	"	m .	
1,2-Dibromoethane (EDB)	ND	7.8	"	**	**	**	"	TT .	
1,2-Dichlorobenzene	ND	31	"	**	.,	"	"	"	
1,3-Dichlorobenzene	ND	31	**	"	17	17	n	11	
1,4-Dichlorobenzene	ND	31	**	"	17	11	n	11	
Dichlorodifluoromethane	ND	5.0	**	"	17	11	n	Ħ	
1,1-Dichloroethane	ND	4.1	**	"	"	"	n	Ħ	
1,2-Dichloroethane	ND	4.1	**	"	"	Ħ	n	Ħ	
1,1-Dichloroethene	ND	4.0	**	"	"	Ħ	n .	Ħ	
cis-1,2-Dichloroethene	ND	4.0	**	"	Ħ	Ħ	п	ti .	
trans-1,2-Dichloroethene	ND	4.0	**	"	n	Ħ	"	Ħ	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	**	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	**	"	**	**	"	**	
4-Ethyltoluene	ND	5.0	"	**	"	**	"	**	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV4-5 T243969-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar I	aboratorie	es, Inc.					
ГО-15									
Methylene chloride	ND	27	ug/m³ Air	1.94	24J0086	10/07/24	10/07/24	TO-15	
Styrene	ND	4.3	"	"	**	**	n	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	**	**	H.	"	
Tetrahydrofuran	15	3.0	"	"	**	**	H	**	
Tetrachloroethene	13	6.9	"	**	**	**	II	TT .	
1,1,2-Trichloroethane	ND	5.6	"	"	"	**	H	"	
1,1,1-Trichloroethane	ND	5.6	"	"	**	**	H	T T	
Trichloroethene	ND	5.5	"	"	**	**	H	ti .	
Trichlorofluoromethane	ND	5.7	"	"	**	**	11	ti .	
1,3,5-Trimethylbenzene	ND	5.0	"	**	**	**	11	"	
1,2,4-Trimethylbenzene	ND	5.0	"	**	"	**	11	"	
Vinyl acetate	ND	3.6	"	"	**	**	н	· ·	
Vinyl chloride	ND	2.6	"	**	"	**	11	"	
1,4-Dioxane	ND	18	"	"	"	**	11	u,	
2-Butanone (MEK)	18	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	**	11	"	
Benzene	6.1	3.3	"	**	"	**	11	"	
Toluene	36	3.8	"	"	17	11	II	TT .	
Ethylbenzene	5.4	4.4	"	"	**	**	II	T T	
m,p-Xylene	17	8.8	"	"	"	**	H	"	
o-Xylene	7.5	4.4	"	"	"	"	II .	"	
1,1-Difluoroethane (1,1-DFA)	ND	27	"	11	**	**	"	u u	
Surrogate: 4-Bromofluorobenzene		97.0 %	59.2-	130	"	"	n	"	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV4-15 T243969-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar I	∟aboratorie	es, Inc.					
TO-15									
Acetone	50	12	ug/m³ Air	1.89	24J0086	10/07/24	10/07/24	TO-15	
1,3-Butadiene	ND	4.5	"	"	Ħ	Ħ	**	u	
Carbon Disulfide	ND	3.2	"	"	**	Ħ	"	n	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	**	"	tt	
Isopropyl alcohol	ND	13	**	"	**	**	**	tt	
Bromodichloromethane	ND	6.8	"	"	**	**	"	**	
Bromoform	ND	11	"	"	**	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	**	"	"	"	
Chlorobenzene	ND	4.7	"	"	**	"	"	"	
Chloroethane	ND	2.7	"	"	**	"	II .	"	
Chloroform	ND	5.0	"	"	**	"	II .	n	
Chloromethane	ND	11	"	"	**	"	n	n	
Cyclohexane	ND	3.5	"	"	"	"	W.	"	
Heptane	ND	4.2	"	"	**	"	"	"	
Hexane	ND	3.6	"	"	**	"	III	"	
Dibromochloromethane	ND	8.7	"	"	**	"	H .	n	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	**	"	H .	n .	
1,2-Dichlorobenzene	ND	31	"	"	**	n	n	Ħ	
1,3-Dichlorobenzene	ND	31	"	"	Ħ	Ħ	It	tt	
1,4-Dichlorobenzene	ND	31	"	"	**	n	H .	Ħ	
Dichlorodifluoromethane	ND	5.0	"	"	n	n	II	ti .	
1,1-Dichloroethane	ND	4.1	"	"	Ħ	Ħ	II	u	
1,2-Dichloroethane	ND	4.1	"	"	**	Ħ	"	n	
1,1-Dichloroethene	ND	4.0	"	"	W	Ħ	"	TI .	
cis-1,2-Dichloroethene	ND	4.0	"	"	W	Ħ	"	u	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	W .	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	**	"	n	**	
4-Ethyltoluene	ND	5.0	"	"	**	11		**	

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215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# SV4-15 T243969-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar I	Laboratorio	es, Inc.					
TO-15									
Methylene chloride	ND	27	ug/m³ Air	1.89	24J0086	10/07/24	10/07/24	TO-15	
Styrene	ND	4.3	"	"	"	**	II .	n	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	**	III	n	
Tetrahydrofuran	ND	3.0	"	"	"	**	m .	n	
Tetrachloroethene	13	6.9	"	"	**	Ħ	H	Ħ	
1,1,2-Trichloroethane	ND	5.6	"	"	"	**	II .	n	
1,1,1-Trichloroethane	ND	5.6	"	"	**	11	II .	n	
Trichloroethene	ND	5.5	"	"	17	11	n	Ħ	
Trichlorofluoromethane	ND	5.7	"	"	17	Ħ	11	n	
1,3,5-Trimethylbenzene	ND	5.0	"	"	17	Ħ	11	n	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	**	"	"	
Vinyl acetate	ND	3.6	n .	"	"	**	"	"	
Vinyl chloride	ND	2.6	n	"	"	**	"	"	
1,4-Dioxane	ND	18	n	11	"	**	11	**	
2-Butanone (MEK)	ND	15	n	"	"	**	"	"	
Methyl isobutyl ketone	ND	42	n	"	"	**	"	**	
Benzene	ND	3.3	"	**	"	**	"	**	
Toluene	8.5	3.8	"	"	"	**	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	n	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	27	n	"	"	**	11	n	
Surrogate: 4-Bromofluorobenzene		97.1 %	59.2-	130	n .	"	n n	"	

SunStar Laboratories, Inc.

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

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# **TO-15 - Quality Control**

# SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### **Batch 24J0086 - Canister Analysis**

Carbon Disulfide         ND         3.2         "           1.1,2-fichloro-1,2-2-triflorocethane (CFC)         ND         7.7         "           113         Sepropsyl alcohol         ND         13         "           Bromodichloromethane         ND         18         "           Bromodichloromethane         ND         18         "           Bromomethane         ND         4.7         "           Carbon tetrachloride         ND         6.4         "           Chlorocethane         ND         4.7         "           Chlorocethane         ND         5.0         "           Chlorocethane         ND         5.0         "           Chloromethane         ND         4.2         "           Cyclohexane         ND         3.5         "           Heptane         ND         3.6         "           Dibromochloromethane         ND         3.6         "           1,2-Dichlorobenzene         ND         3.1         "           1,2-Dichlorobenzene         ND         3.1         "           1,4-Dichloromethane         ND         4.1         "           1,4-Dichloromethane         ND         4.0 </th <th>Blank (24J0086-BLK1)</th> <th></th> <th></th> <th></th> <th>Prepared &amp; Analyzed: 10/07/24</th>	Blank (24J0086-BLK1)				Prepared & Analyzed: 10/07/24
Angle   Angl	Acetone	ND	12	ug/m³ Air	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC)         ND         7.7         "           1130         13         "           Bornoof Choroethane         ND         6.8         "           Bromoform         ND         11         "           Bromoform         ND         11         "           Carbon tetrachloride         ND         6.4         "           Chloroebezne         ND         4.7         "           Chloroform         ND         5.0         "           Chloroethane         ND         11         "           Chloroethane         ND         11         "           Chloroethane         ND         11         "           Cyclohexane         ND         3.6         "           Heyane         ND         3.6         "           1,2-Dichloroethane         ND         3.1         "	1,3-Butadiene	ND	4.5	"	
130	Carbon Disulfide	ND	3.2	"	
Bromodichloromethane         ND         6.8         "           Bromoform         ND         11         "           Bromomethane         ND         20         "           Carbon tetrachloride         ND         6.4         "           Chlorobenzene         ND         4.7         "           Chlorochane         ND         2.7         "           Chloromethane         ND         5.0         "           Chloromethane         ND         1.1         "           Cyclobexane         ND         3.5         "           Heptane         ND         3.6         "           Heyane         ND         3.6         "           Dibromochloromethane         ND         3.6         "           Dibromochloromethane (EDB)         ND         8.7         "           1,2-Dirikoromethane         ND         3.1         "           1,3-Dichlorobrane         ND         3.1         "           1,4-Dichlorobrane         ND         4.1         "           1,1-Dichlorochane         ND         4.1         "           1,1-Dichlorochane         ND         4.0         "           trans-1,2-D	1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	11	
Bromoform         ND         11         "           Bromonethane         ND         20         "           Carbon tetrachloride         ND         6.4         "           Chlorocthane         ND         4.7         "           Chlorocthane         ND         2.7         "           Chlorocthane         ND         5.0         "           Chloromethane         ND         3.5         "           Chlorocthane         ND         3.5         "           Heyane         ND         3.6         "           Heyane         ND         3.6         "           Heyane         ND         3.6         "           Dibromochloromethane         ND         3.6         "           Heyane         ND         3.6         "           1,2-Dichlorocthane (EDB)         ND         7.8         "           1,2-Dichlorocthane         ND         3.1         "           1,3-Dichlorocthane         ND         4.1         "           1,1-Dichlorocthane         ND         4.0         "           1,1-Dichlorocthene         ND         4.0         "           cis-1,2-Dichlorocthene         <	Isopropyl alcohol	ND	13	II	
Bromomethane         ND         20         "           Carbon tetrachloride         ND         64         "           Chlorocherzene         ND         4.7         "           Chlorocherane         ND         2.7         "           Chlorocherane         ND         5.0         "           Chlorocherane         ND         1.1         "           Cyclokexae         ND         3.5         "           Hexane         ND         3.6         "           Dibromochloromethane         ND         3.6         "           1,2-Dibromochlane (EDB)         ND         7.8         "           1,2-Dibromochane (EDB)         ND         3.1         "           1,3-Dichlorochane         ND         3.1         "           1,4-Dichlorochane         ND         3.1         "           1,1-Dichlorochane         ND         4.1         "           1,1-Dichlorochane         ND         4.0         "           1,1-Dichlorochane         ND         4.0         "           1,1-Dichlorochane         ND         4.0         "           1,1-Dichlorochane         ND         4.0         "	Bromodichloromethane	ND	6.8	"	
Carbon tetrachloride         ND         6.4         "           Chlorobenzene         ND         4.7         "           Chlorochtane         ND         2.7         "           Chloromethane         ND         5.0         "           Chloromethane         ND         1.1         "           Cyclohexane         ND         3.5         "           Heptane         ND         3.6         "           Hexane         ND         3.7         "           Dibromochloromethane         ND         8.7         "           1,2-Dibromoethane (EDB)         ND         3.1         "           1,2-Dichlorobenzene         ND         3.1         "           1,4-Dichlorobenzene         ND         3.1         "           1,4-Dichlorobenzene         ND         4.1         "           1,1-Dichlorochane         ND         4.1         "           1,1-Dichlorochane         ND         4.0         "           1,1-Dichlorochane         ND         4.0         "           1,1-Dichlorochane         ND         4.0         "           1,1-Dichlorochane         ND         4.0         "           <	Bromoform	ND	11	11	
Chlorobenzene         ND         4.7         "           Chloroethane         ND         2.7         "           Chloroethane         ND         5.0         "           Chloromethane         ND         3.1         "           Cyclohexane         ND         3.5         "           Heyane         ND         4.2         "           Hexane         ND         3.6         "           Dibromochloromethane         ND         8.7         "           1,2-Dirknoethane (EDB)         ND         7.8         "           1,2-Dirknoebnzene         ND         31         "           1,3-Dichlorobenzene         ND         31         "           1,4-Dichlorothane         ND         5.0         "           1,1-Dichlorothane         ND         4.1         "           1,1-Dichlorothane         ND         4.0         "           1,2-Dichl	Bromomethane	ND	20	"	
Chlorofrom         ND         2.7         "           Chloroform         ND         5.0         "           Chloromethane         ND         11         "           Cyclohexane         ND         3.5         "           Heytane         ND         4.2         "           Hexane         ND         3.6         "           Dibromochloromethane         ND         8.7         "           1,2-Dibromoethane (EDB)         ND         3.8         "           1,2-Dichlorobenzene         ND         3.1         "           1,4-Dichlorobenzene         ND         3.1         "           1,4-Dichlorobenzene         ND         3.1         "           1,1-Dichloroethane         ND         4.1         "           1,1-Dichloroethane         ND         4.1         "           1,1-Dichloroethene         ND         4.0         "           trans-1,2-Dichloroethene         ND         4.0         "           trans-1,3-Dichloropropene         ND         4.6         "           trans-1,3-Dichloropropene         ND         4.6         "           4-Ethyltoluene         ND         5.0         "	Carbon tetrachloride	ND	6.4	n.	
Chloroform         ND         5.0         "           Chloromethane         ND         11         "           Cyclobexane         ND         3.5         "           Heytane         ND         4.2         "           Hexane         ND         3.6         "           Dibromochloromethane         ND         8.7         "           1,2-Dichlorobenzene         ND         3.1         "           1,2-Dichlorobenzene         ND         3.1         "           1,4-Dichlorobenzene         ND         3.1         "           1,4-Dichloroethane         ND         5.0         "           1,1-Dichloroethane         ND         4.1         "           1,1-Dichloroethane         ND         4.0         "           1,1-Dichloroethene         ND         4.0         "           trans-1,2-Dichloroethene         ND         4.0         "           trans-1,2-Dichloroethene         ND         4.6         "           cis-1,3-Dichloropropene         ND         4.6         "           4-Ethyloluene         ND         5.0         "           Methylene chloride         ND         4.8         "	Chlorobenzene	ND	4.7	n.	
Chloromethane         ND         11         "           Cyclohexane         ND         3.5         "           Heptane         ND         4.2         "           Hexane         ND         3.6         "           Dibromochloromethane         ND         8.7         "           1,2-Dibromoethane (EDB)         ND         7.8         "           1,2-Dichlorobenzene         ND         31         "           1,3-Dichlorobenzene         ND         31         "           1,4-Dichlorodifluoromethane         ND         4.1         "           1,1-Dichlorothane         ND         4.1         "           1,2-Dichlorothane         ND         4.0         "           1,2-Dichlorothene         ND         4.0         "           cis-1,2-Dichlorothene         ND         4.0         "           trans-1,2-Dichloropropane         ND         4.7         "           cis-1,3-Dichloropropane         ND         4.6         "           4-Ethyltoluene         ND         4.6         "           Methylene chloride         ND         2.7         "           Styrene         ND         4.3         " <td>Chloroethane</td> <td>ND</td> <td>2.7</td> <td>n.</td> <td></td>	Chloroethane	ND	2.7	n.	
Cyclohexane         ND         3.5         "           Heptane         ND         4.2         "           Hexane         ND         3.6         "           Dibromochloromethane         ND         8.7         "           1,2-Dichlorobenzene         ND         7.8         "           1,2-Dichlorobenzene         ND         31         "           1,3-Dichlorobenzene         ND         31         "           1,4-Dichlorobenzene         ND         31         "           1,1-Dichlorothane         ND         4.1         "           1,1-Dichlorothane         ND         4.1         "           1,1-Dichlorothene         ND         4.0         "           1,1-Dichlorothene         ND         4.0         "           1,1-Dichlorothene         ND         4.0         "           1,1-Dichlorothene         ND         4.0         "           1,2-Dichlorothene         ND         4.0         "           1,2-Dichlorothene         ND         4.6         "           1,2-Dichlorothene         ND         4.6         "           4-Ethyltolure         ND         4.6         "	Chloroform	ND	5.0	n.	
Heptane ND 4.2 " Hexane ND 3.6 " Dibromochloromethane (EDB) ND 7.8 " 1,2-Dibromochlane (EDB) ND 31 " 1,3-Dichlorobenzene ND 31 " 1,4-Dichlorobenzene ND 31 " 1,4-Dichlorobenzene ND 31 " 1,4-Dichlorothane ND 31 " 1,1-Dichlorothane ND 4.1 " 1,1-Dichlorothane ND 4.1 " 1,1-Dichlorothane ND 4.1 " 1,1-Dichlorothane ND 4.1 " 1,1-Dichlorothane ND 4.0 " 1,2-Dichloropropane ND 4.6 " 1,2-Dic	Chloromethane	ND	11	II .	
Hexane ND 3.6 " Dibromochloromethane ND 8.7 " 1,2-Dibromoethane (EDB) ND 7.8 " 1,2-Dichlorobenzene ND 31 " 1,3-Dichlorobenzene ND 31 " 1,4-Dichlorobenzene ND 31 " 1,4-Dichlorodifluoromethane ND 31 " 1,1-Dichlorodifluoromethane ND 5.0 " 1,1-Dichlorothane ND 4.1 " 1,2-Dichlorothane ND 4.1 " 1,1-Dichlorothene ND 4.1 " 1,1-Dichlorothene ND 4.0 " 1,1-Dichlorothene ND 4.0 " 1,1-Dichlorothene ND 4.0 " 1,1-Dichlorothene ND 4.0 " 1,2-Dichlorothone ND 4.0 " 1,2-Dichlorothone ND 4.0 " 1,2-Dichlorothone ND 4.0 " 1,2-Dichloropropane ND 4.6 " 1,2-Dichloropropane ND 4.6 " 4-Ethyltoluene ND 5.0 " Methylene chloride ND 7.0 "	Cyclohexane	ND	3.5	"	
Dibromochloromethane         ND         8.7         "           1,2-Dibromoethane (EDB)         ND         7.8         "           1,2-Dichlorobenzene         ND         31         "           1,3-Dichlorobenzene         ND         31         "           1,4-Dichlorobenzene         ND         31         "           Dichlorodifluoromethane         ND         5.0         "           1,1-Dichloroethane         ND         4.1         "           1,2-Dichloroethane         ND         4.0         "           1,1-Dichloroethene         ND         4.0         "           cis-1,2-Dichloroethene         ND         4.0         "           1,2-Dichloropropane         ND         4.0         "           1,2-Dichloropropane         ND         4.6         "           cis-1,3-Dichloropropene         ND         4.6         "           4-Ethyltoluene         ND         5.0         "           Methylene chloride         ND         2.7         "           Styrene         ND         4.3         "           1,1,2,2-Tetrachloroethane         ND         7.0         "	Heptane	ND	4.2	11	
1,2-Dibromoethane (EDB)       ND       7.8       "         1,2-Dichlorobenzene       ND       31       "         1,3-Dichlorobenzene       ND       31       "         1,4-Dichlorobenzene       ND       31       "         Dichlorodifluoromethane       ND       5.0       "         1,1-Dichloroethane       ND       4.1       "         1,2-Dichloroethane       ND       4.0       "         1,1-Dichloroethene       ND       4.0       "         cis-1,2-Dichloroethene       ND       4.0       "         1,2-Dichloropropane       ND       4.7       "         cis-1,3-Dichloropropene       ND       4.6       "         4-Ethyltoluene       ND       5.0       "         Methylene chloride       ND       2.7       "         Styrene       ND       4.3       "         1,1,2,2-Tetrachloroethane       ND       7.0       "	Hexane	ND	3.6	H .	
1,2-Dichlorobenzene       ND       31       "         1,3-Dichlorobenzene       ND       31       "         1,4-Dichlorobenzene       ND       31       "         Dichlorodifluoromethane       ND       5.0       "         1,1-Dichloroethane       ND       4.1       "         1,2-Dichloroethane       ND       4.1       "         1,1-Dichloroethene       ND       4.0       "         cis-1,2-Dichloroethene       ND       4.0       "         trans-1,2-Dichloroptopane       ND       4.7       "         cis-1,3-Dichloropropane       ND       4.6       "         trans-1,3-Dichloropropene       ND       4.6       "         4-Ethyltoluene       ND       5.0       "         Methylene chloride       ND       2.7       "         Styrene       ND       4.3       "         1,1,2,2-Tetrachloroethane       ND       7.0       "	Dibromochloromethane	ND	8.7	"	
1,3-Dichlorobenzene       ND       31       "         1,4-Dichlorobenzene       ND       31       "         Dichlorodifluoromethane       ND       5.0       "         1,1-Dichloroethane       ND       4.1       "         1,2-Dichloroethane       ND       4.0       "         1,1-Dichloroethene       ND       4.0       "         trans-1,2-Dichloroethene       ND       4.0       "         1,2-Dichloropropane       ND       4.7       "         cis-1,3-Dichloropropane       ND       4.6       "         trans-1,3-Dichloropropene       ND       4.6       "         4-Ethyltoluene       ND       5.0       "         Methylene chloride       ND       27       "         Styrene       ND       4.3       "         1,1,2,2-Tetrachloroethane       ND       7.0       "	1,2-Dibromoethane (EDB)	ND	7.8	n.	
1,4-Dichlorobenzene       ND       31       "         Dichlorodifluoromethane       ND       5.0       "         1,1-Dichloroethane       ND       4.1       "         1,2-Dichloroethane       ND       4.1       "         1,1-Dichloroethene       ND       4.0       "         cis-1,2-Dichloroethene       ND       4.0       "         1,2-Dichloroptopane       ND       4.7       "         cis-1,3-Dichloropropane       ND       4.6       "         trans-1,3-Dichloropropene       ND       4.6       "         4-Ethyltoluene       ND       5.0       "         Methylene chloride       ND       27       "         Styrene       ND       4.3       "         1,1,2,2-Tetrachloroethane       ND       7.0       "	1,2-Dichlorobenzene	ND	31	"	
Dichlorodifluoromethane         ND         5.0         "           1,1-Dichloroethane         ND         4.1         "           1,2-Dichloroethane         ND         4.1         "           1,1-Dichloroethene         ND         4.0         "           cis-1,2-Dichloroethene         ND         4.0         "           1,2-Dichloroptopane         ND         4.7         "           cis-1,3-Dichloropropene         ND         4.6         "           4-Ethyltoluene         ND         5.0         "           Methylene chloride         ND         27         "           Styrene         ND         4.3         "           1,2,2-Tetrachloroethane         ND         7.0         "	1,3-Dichlorobenzene	ND	31	"	
1,1-Dichloroethane       ND       4.1       "         1,2-Dichloroethane       ND       4.1       "         1,1-Dichloroethene       ND       4.0       "         cis-1,2-Dichloroethene       ND       4.0       "         trans-1,2-Dichloroethene       ND       4.0       "         1,2-Dichloropropane       ND       4.7       "         cis-1,3-Dichloropropene       ND       4.6       "         trans-1,3-Dichloropropene       ND       5.0       "         4-Ethyltoluene       ND       5.0       "         Methylene chloride       ND       27       "         Styrene       ND       4.3       "         1,1,2,2-Tetrachloroethane       ND       7.0       "	1,4-Dichlorobenzene	ND	31	"	
1,2-Dichloroethane       ND       4.1       "         1,1-Dichloroethene       ND       4.0       "         cis-1,2-Dichloroethene       ND       4.0       "         trans-1,2-Dichloroethene       ND       4.0       "         1,2-Dichloropropane       ND       4.7       "         cis-1,3-Dichloropropene       ND       4.6       "         trans-1,3-Dichloropropene       ND       5.0       "         Methylene chloride       ND       27       "         Styrene       ND       4.3       "         1,1,2,2-Tetrachloroethane       ND       7.0       "	Dichlorodifluoromethane	ND	5.0	"	
1,1-Dichloroethene       ND       4.0       "         cis-1,2-Dichloroethene       ND       4.0       "         trans-1,2-Dichloroptopene       ND       4.0       "         1,2-Dichloropropane       ND       4.7       "         cis-1,3-Dichloropropene       ND       4.6       "         4-Ethyltoluene       ND       5.0       "         Methylene chloride       ND       27       "         Styrene       ND       4.3       "         1,1,2,2-Tetrachloroethane       ND       7.0       "	1,1-Dichloroethane	ND	4.1	"	
cis-1,2-Dichloroethene       ND       4.0       "         trans-1,2-Dichloroethene       ND       4.0       "         1,2-Dichloropropane       ND       4.7       "         cis-1,3-Dichloropropene       ND       4.6       "         trans-1,3-Dichloropropene       ND       4.6       "         4-Ethyltoluene       ND       5.0       "         Methylene chloride       ND       27       "         Styrene       ND       4.3       "         1,1,2,2-Tetrachloroethane       ND       7.0       "	1,2-Dichloroethane	ND	4.1	"	
trans-1,2-Dichloroethene       ND       4.0       "         1,2-Dichloropropane       ND       4.7       "         cis-1,3-Dichloropropene       ND       4.6       "         trans-1,3-Dichloropropene       ND       4.6       "         4-Ethyltoluene       ND       5.0       "         Methylene chloride       ND       27       "         Styrene       ND       4.3       "         1,1,2,2-Tetrachloroethane       ND       7.0       "	1,1-Dichloroethene	ND	4.0	"	
1,2-Dichloropropane       ND       4.7       "         cis-1,3-Dichloropropene       ND       4.6       "         trans-1,3-Dichloropropene       ND       4.6       "         4-Ethyltoluene       ND       5.0       "         Methylene chloride       ND       27       "         Styrene       ND       4.3       "         1,1,2,2-Tetrachloroethane       ND       7.0       "	cis-1,2-Dichloroethene	ND	4.0	"	
cis-1,3-Dichloropropene       ND       4.6       "         trans-1,3-Dichloropropene       ND       4.6       "         4-Ethyltoluene       ND       5.0       "         Methylene chloride       ND       27       "         Styrene       ND       4.3       "         1,1,2,2-Tetrachloroethane       ND       7.0       "	trans-1,2-Dichloroethene	ND	4.0	"	
trans-1,3-Dichloropropene       ND       4.6       "         4-Ethyltoluene       ND       5.0       "         Methylene chloride       ND       27       "         Styrene       ND       4.3       "         1,1,2,2-Tetrachloroethane       ND       7.0       "	1,2-Dichloropropane	ND	4.7	"	
4-Ethyltoluene       ND       5.0       "         Methylene chloride       ND       27       "         Styrene       ND       4.3       "         1,1,2,2-Tetrachloroethane       ND       7.0       "	cis-1,3-Dichloropropene	ND	4.6	"	
Methylene chlorideND27"StyreneND4.3"1,1,2,2-TetrachloroethaneND7.0"	trans-1,3-Dichloropropene	ND	4.6	"	
Styrene         ND         4.3         "           1,1,2,2-Tetrachloroethane         ND         7.0         "	4-Ethyltoluene	ND	5.0	"	
1,1,2,2-Tetrachloroethane ND 7.0 "	Methylene chloride	ND	27	"	
	Styrene	ND	4.3	"	
Tetrahydrofuran ND 3.0 "	1,1,2,2-Tetrachloroethane	ND	7.0	"	
	Tetrahydrofuran	ND	3.0	"	

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Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota Avenue Project Number: 024-24038 Reported: Clovis CA, 93612 Project Manager: Mike Bowery 10/14/24 16:23

### **TO-15 - Quality Control**

### SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Patch 2410086 Conistor Analysis										

Daten	<b>24JUUOU -</b>	Camster	Analysis	
				•

Blank (24J0086-BLK1)				Prepared & Analyzed: 10/07/24
Tetrachloroethene	ND	6.9	ug/m³ Air	
1,1,2-Trichloroethane	ND	5.6	11	
1,1,1-Trichloroethane	ND	5.6	11	
Trichloroethene	ND	5.5	"	
Trichlorofluoromethane	ND	5.7	III	
1,3,5-Trimethylbenzene	ND	5.0	"	
1,2,4-Trimethylbenzene	ND	5.0	"	
Vinyl acetate	ND	3.6	"	
Vinyl chloride	ND	2.6	"	
1,4-Dioxane	ND	18	11	
2-Butanone (MEK)	ND	15	III	
Methyl isobutyl ketone	ND	42	III	
Benzene	ND	3.3	"	
Toluene	ND	3.8	"	
Ethylbenzene	ND	4.4	"	
m,p-Xylene	ND	8.8	"	
o-Xylene	ND	4.4	"	
1,1-Difluoroethane (1,1-DFA)	ND	27	11	
Surrogate: 4-Bromofluorobenzene	332		"	362 91.6 59.2-130

urrogate: 4-Bromofluorobenzene	332	" 362	91.6 59.2-130

Duplicate (24J0086-DUP1)	Source	: T243925	-01	Prepared & Analyzed: 10/07/24			
Acetone	3390	12	ug/m³ Air	3410	0.586	30	Е
1,3-Butadiene	4.55	4.5	"	4.44	2.60	30	
Carbon Disulfide	ND	3.2	"	ND		30	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC	ND	7.7	11	ND		30	
113)							
Isopropyl alcohol	330	13	"	344	4.19	30	
Bromodichloromethane	ND	6.8	11	ND		30	
Bromoform	ND	11	IF	ND		30	
Bromomethane	ND	20	"	ND		30	
Carbon tetrachloride	ND	6.4	n .	ND		30	
Chlorobenzene	ND	4.7	n .	ND		30	
Chloroethane	ND	2.7	II .	ND		30	
Chloroform	ND	5.0	n .	ND		30	
Chloromethane	ND	11	"	ND		30	
Cyclohexane	ND	3.5	"	ND		30	

SunStar Laboratories, Inc.

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

Jeff Lee, Project Manager Page 22 of 26



Analyte

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

RPD

Limit

30

Notes

%REC

Limits

RPD

Krazan, Clovis Project: Redlands QQ 44-352

Result

ND

215 West Dakota AvenueProject Number:024-24038Reported:Clovis CA, 93612Project Manager:Mike Bowery10/14/24 16:23

Reporting

Limit

#### **TO-15 - Quality Control**

#### SunStar Laboratories, Inc.

Units

Spike

Level

Source

Result

%REC

Ouplicate (24J0086-DUP1)	Source	: T243925	-01	Prepared & Analyzed: 10/07/24		
leptane	19.0	4.2	ug/m³ Air	20.0	5.17	30
Iexane	ND	3.6	"	ND		30
Dibromochloromethane	ND	8.7	"	ND		30
,2-Dibromoethane (EDB)	ND	7.8	"	ND		30
,2-Dichlorobenzene	ND	31	"	ND		30
,3-Dichlorobenzene	ND	31	"	ND		30
,4-Dichlorobenzene	ND	31	"	ND		30
Dichlorodifluoromethane	ND	5.0	"	ND		30
,1-Dichloroethane	ND	4.1	"	ND		30
,2-Dichloroethane	ND	4.1	"	ND		30
,1-Dichloroethene	ND	4.0	11	ND		30

cis-1,2-Dichloroethene ND 4.0 ND 30 trans-1,2-Dichloroethene ND 4.0 ND 30 1,2-Dichloropropane ND 4.7 ND 30 cis-1,3-Dichloropropene ND 30 ND 4.6 trans-1,3-Dichloropropene ND 4.6 ND 30 4-Ethyltoluene ND 5.0 ND 30 27 ND Methylene chloride ND 30 ND ND Styrene 4.3 30 1,1,2,2-Tetrachloroethane 7.0 ND ND 30 Tetrahydrofuran ND 3.0 ND 30 Tetrachloroethene ND 30 ND 6.9 1,1,2-Trichloroethane ND 30 ND 5.6 5.6 ND 30 1,1,1-Trichloroethane ND Trichloroethene ND 5.5 ND 30 5.7 30 Trichlorofluoromethane ND ND 1,3,5-Trimethylbenzene ND 5.0 ND 30 5.0 1,2,4-Trimethylbenzene ND ND 30 Vinyl acetate ND 3.6 ND 30 Vinyl chloride 30 ND 2.6 ND 1,4-Dioxane ND ND 30 18 2-Butanone (MEK) 72.9 15 72.9 0.00 30 Methyl isobutyl ketone 276 42 281 1.76 30 Benzene ND 3.3 ND 30 Toluene 6.30 3.8 6.17 2.13 30

SunStar Laboratories, Inc.

Ethylbenzene

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

ND

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4.4



Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number:024-24038Reported:Clovis CA, 93612Project Manager:Mike Bowery10/14/24 16:23

# **TO-15 - Quality Control**

# SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 24J0086 - Canister Analysis										_

Duplicate (24J0086-DUP1)	Source	: T243925-01	Prepared & Analyzed: 10/07/24	
m,p-Xylene	ND	8.8 ug/m³ Air	ND	30
o-Xylene	ND	4.4 "	ND	30
1,1-Difluoroethane (1,1-DFA)	ND	27 "	ND	30
Surrogate: 4-Bromofluorobenzene	339	"	362 93.5 5	9.2-130

SunStar Laboratories, Inc.

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

Jeff Lee, Project Manager Page 24 of 26



Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number: 024-24038Reported:Clovis CA, 93612Project Manager: Mike Bowery10/14/24 16:23

# Fixed Gases ASTM D1946-90 - Quality Control

# SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 24J0177 - EPA 5030 GC										
Blank (24J0177-BLK1)				Prepared &	Analyzed:	10/10/24				
Carbon Dioxide	ND	1.00	%							
Oxygen	ND	1.00	11							
Nitrogen	ND	30.0	11							
LCS (24J0177-BS1)				Prepared &	Analyzed:	10/10/24				
Carbon Dioxide	4.22	1.00	%	5.00		84.4	75-125			
Oxygen	14.9	1.00	11	15.0		99.1	75-125			
Nitrogen	79.7	30.0	"	80.0		99.6	75-125			
Duplicate (24J0177-DUP1)	Sou	rce: T243969-	01	Prepared &	Analyzed:	10/10/24				
Carbon Dioxide	ND	1.86	%		ND				20	
Oxygen	21.7	1.86	"		21.2			2.36	20	FG-0
Nitrogen	73.1	30.0	11		75.0			2.59	20	

SunStar Laboratories, Inc.

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

Jeff Lee, Project Manager Page 25 of 26



Krazan, Clovis Project: Redlands QQ 44-352

215 West Dakota AvenueProject Number:024-24038Reported:Clovis CA, 93612Project Manager:Mike Bowery10/14/24 16:23

#### **Notes and Definitions**

FG-03 O2 biased high from excess dilution due to low canister pressure.

E The concentration indicated for this analyte is above the calibration range of the instrument. This value should be considered as an

estimated concentration.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.

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

Jeff Lee, Project Manager Page 26 of 26

# **AIR LABORATORY**

# **Chain of Custody Record**



25712 Commercentre Dr. Lake Forest,CA 92630 949-297-5020

Client: Fraz-ap  Address: 2-15 W. Dakota Ave., Clovis, CA, 95612  Phone: 659. 348.2200 Fax:  Project Manager: Mike Bower						Project N Collector	lame: Fe Trent 129	W	a no	eso		λ	44	Page: Of   H - 352   Client Project #: 024 - 24038   EDF #:
Sample ID  SN 1-5  SN 1-15  SN 2-5  SN 2-16  SN 3-5  SN 3-15  SN 4-15	Date Sampled	12:18	Finish Time 12:28 12:00 1:26 12:59 2:25 1:67 3:24 2:55	Sample Type: Soil Gas / Indoor Air	Container Type: Summa Can / Tedlar Summa	Initial Pressure - 30 - 30 - 30 - 30 - 30 - 30 - 30 - 30	Final Pressure -7 -7 -7 -7 -7 -7 -7 -7 -7	TO-3	TO-14	XXXXXXTO-15	Methane by GC	8015m Gasoline	X Fixed Gases by TCD	Summa Can # / Comments  4335 / 8712  4339 / 8712  4340 / 8712  4343 / 8712  4343 / 8712  4343 / 8712
Relinquished by: (signature)  Relinquished by: (signature)  Pul Burn 10/3  Relinquished by: (signature)  * TO-15 SIM analysis available up	\( \( \)   \( \)   Date   Date	Time Time 1:47	Received Received	d by: (sign	ature) Date	24 13: e/Time /14 (4:4 e/Time	7	eive	Seal d goo	dy se s inta	nditio	Y/N/N Y/N/I	NA NA old	NA - Run III DFA



# SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: \[ \frac{7}{29} \frac{5767}{}					
Client Name: Krazan	Project:	Redlands	aq	44 -	352
Delivered by:	GLS [	☐ FedEx	Othe	r	
If Courier, Received by:  Lab Received by:  Angel	Date/Time Co Received: Date/Time La Received:	ab	0.3.24		1325
Total number of coolers received: Thermometer ID;		alibration o	lue: <u>11/17</u>	7/2024	
Temperature: Cooler #1 $^{\circ}$ C +/- the CF (+ 0.1 $^{\circ}$ C)	=	°C correct	ted temperati	ure	
Temperature: Cooler #2 °C +/- the CF (+ 0.1°C)	=	°C correct	ted temperatu	ıre	
Temperature: Cooler #3 °C +/- the CF (+ 0.1°C)	=	°C correct	ted temperatu	ure	
Temperature criteria = $\leq 6^{\circ}$ C (no frozen containers) Within cr	iteria?	Yes	□No	N/A	
If NO: Samples received on ice?		$\square$ No $\rightarrow$ Complete	e Non-Coi	nformano	e Sheet
If on ice, samples received same day collected?  ☐Yes →	Acceptable	$\square N_0 \rightarrow$	e Non-Coi		
I I V AC -	Acceptable	$\square N_0 \rightarrow$			
collected?	Acceptable	□No → Complete	e Non-Coi	nformano	
Custody seals intact on cooler/sample	Acceptable	□No → Complete □Yes	e Non-Col	nformano	
Custody seals intact on cooler/sample  Sample containers intact	Acceptable	□No → Complete □Yes □Yes	e Non-Col	nformano	
collected?  Custody seals intact on cooler/sample  Sample containers intact  Sample labels match Chain of Custody IDs	Acceptable	No → Complete  Yes  Yes  Yes	e Non-Col  No*  No*	nformano	
Custody seals intact on cooler/sample Sample containers intact Sample labels match Chain of Custody IDs Total number of containers received match COC		No → Complete  Yes  Yes  Yes  Yes  Yes	No*	nformano	
Custody seals intact on cooler/sample Sample containers intact Sample labels match Chain of Custody IDs Total number of containers received match COC Proper containers received for analyses requested on COC	s requested emperatures,	No → Complete  Yes  Yes  Yes  Yes  Yes  Yes	e Non-Col  No*  No*  No*  No*  No*	nformano	
Custody seals intact on cooler/sample  Sample containers intact  Sample labels match Chain of Custody IDs  Total number of containers received match COC  Proper containers received for analyses requested on COC  Proper preservative indicated on COC/containers for analyses  Complete shipment received in good condition with correct to containers, labels, volumes preservatives and within method sholding times	s requested emperatures,	□No → Complete □Yes □Yes □Yes □Yes □Yes □Yes □Yes	e Non-Col  No*  No*  No*  No*  No*  No*  No*  N	nformano	
Custody seals intact on cooler/sample  Sample containers intact  Sample labels match Chain of Custody IDs  Total number of containers received match COC  Proper containers received for analyses requested on COC  Proper preservative indicated on COC/containers for analyses  Complete shipment received in good condition with correct to containers, labels, volumes preservatives and within method sholding times	s requested emperatures, specified	□No → Complete □Yes □Yes □Yes □Yes □Yes □Yes □Yes	e Non-Col  No*  No*  No*  No*  No*  No*  No*  N	nformano	
Custody seals intact on cooler/sample  Sample containers intact  Sample labels match Chain of Custody IDs  Total number of containers received match COC  Proper containers received for analyses requested on COC  Proper preservative indicated on COC/containers for analyses  Complete shipment received in good condition with correct to containers, labels, volumes preservatives and within method sholding times  * Complete Non-Conformance Receiving Sheet if checked  Conformance Receiving Sheet if checked	s requested emperatures, specified	□No → Complete □Yes □Yes □Yes □Yes □Yes □Yes □Yes	e Non-Col  No*  No*  No*  No*  No*  No*  No*  N	nformano	
Custody seals intact on cooler/sample  Sample containers intact  Sample labels match Chain of Custody IDs  Total number of containers received match COC  Proper containers received for analyses requested on COC  Proper preservative indicated on COC/containers for analyses  Complete shipment received in good condition with correct to containers, labels, volumes preservatives and within method sholding times  * Complete Non-Conformance Receiving Sheet if checked  Containers of Containers of Conformance Receiving Sheet if checked	s requested emperatures, specified	□No → Complete □Yes □Yes □Yes □Yes □Yes □Yes □Yes	e Non-Col  No*  No*  No*  No*  No*  No*  No*  N	nformano	



Name: TRENTON W	ESTERSON				
Item	在中国基本技术的	Quantity		Unit	
oz Jars 24/CS			No. of Contract of		The Maria Co.
oz Jars 24/CS					
oz Jars 12/CS					
0 ml unpreserved V0	0As 100/hox				
0 ml HCL-preserved					
250 ml Poly 24/CS	VOAS IZIDOX				
500 ml Poly 16/CS					
Liter Poly 12/CS					
500 ml Amber Bottle	Nide 12/CS			10 Th.	
Liter Amber Bottle				Table 18.	
Gallon Poly 4/box					
	Bisulfate VOAs 72/box		-		-
DOJO KILS:(Z)SOCIUM E	(1) Methanol VOA 72/box				
	(1) TERRACORE	+	-		
ock-N-Load Handle	1 7	+			
	1/ea	<del></del>			
Tedlar Bags 10/pack					
Sub Slab Insert w/ wa					
Soil Gas SS 16" Drop					
Gas Extraction Fitting	js				
Soil Gas Filters					
	Volume of Summa	# Sent	Used	Unused	Unreturned
	400cc				
<b>Batch Certified</b>	1L	8+1	CHARGE 8	1	0
<b>Summa Canisters</b>	3L				
	6L				
Purge cans					
Nitrogen cans		3	NO CHARGE	0	0
TO A STATE OF THE	1L				
Ind. Cerified		+	<del>                                     </del>		
Summa Cannisters	16L		<del>1i</del>		
	, Var. Sampler, etc. Calib	rated Correct	ly - Gauge Rea	de at 0	
	pler, Variable Sampler, Shu	Control of the Parket of the P	CHARGE 1	0	
	bier, variable Sampler, Srit 50ml/mn, 63ml/mn	234	CHARGE I	0	
THE PARTY OF THE P	THE RESIDENCE OF THE PARTY OF T	0.145	DETUDNED		
Swagelok Fittings: N		8 N/F	RETURNED		
Cooler (Sm, Med, Lrg					
Other: Poly Tube, Val					
Prepared By:	PB		Date:	9/11/24	
Reviewed By:			Date:		
Comments:					

# **Check In Report**



Barcode	Description	Due Date	In Date	Condition	From Emp/Loc	To Storage Location	Bin Qty	Status
4343	1.4 Liter Can	10/5/2024	10/3/2024 04:21 PM		General Office - Krazan	SunStar Labs South		
4340	1.4 Liter Can	10/5/2024	10/3/2024 04:21 PM		General Office - Krazan	SunStar Labs South		
4339	1.4 Liter Can	10/5/2024	10/3/2024 04:21 PM		General Office - Krazan	SunStar Labs South		
4342	1.4 Liter Can	10/5/2024	10/3/2024 04:21 PM		General Office - Krazan	SunStar Labs South		
4344	1.4 Liter Can	10/5/2024	10/3/2024 04:21 PM		General Office - Krazan	SunStar Labs South		
4336	1.4 Liter Can	10/5/2024	10/3/2024 04:21 PM		General Office - Krazan	SunStar Labs South		
4304	1.4 Liter Can	10/5/2024	10/3/2024 04:21 PM		General Office - Krazan	SunStar Labs South		
4049	400 cc	10/5/2024	10/3/2024 04:23 PM		General Office - Krazan	SunStar Labs South		
4064	400 cc	10/5/2024	10/3/2024 04:23 PM		General Office - Krazan	SunStar Labs South		
8712	150 cc	10/5/2024	10/3/2024 04:23 PM		General Office - Krazan	SunStar Labs South		
8693	150 cc	10/5/2024	10/3/2024 04:23 PM		General Office - Krazan	SunStar Labs South		
4258	1.4 L	10/5/2024	10/3/2024 04:23 PM		General Office - Krazan	SunStar Labs South		
4335	1.4 Liter Can	10/5/2024	10/3/2024 04:23 PM		General Office - Krazan	SunStar Labs South		
4341	1.4 Liter Can	10/5/2024	10/3/2024 04:23 PM		General Office - Krazan	SunStar Labs South		

Date Printed: 10/3/2024 Page 1 of 1

Printed: 10/4/2024 9:56:44AM



### WORK ORDER

#### T243969

Client:Krazan, ClovisProject Manager:Jeff LeeProject:Trent WestersonProject Number:024-24038

Report To:

Krazan, ClovisMike Bowery

215 West Dakota Avenue

Clovis, CA 93612

Date Due: 10

10/14/24 00:00 (7 day TAT)

Received By:Angel AguirreDate Received:10/03/24 14:47Logged In By:Angel AguirreDate Logged In:10/04/24 09:18

Yes

Samples Received at:

Custody Seals No Received On Ice

COC/Labels Agree Yes
Preservation Confirme No

Analysis	Due	TAT	Expires	Comments	
-	Sampled 10/02/24 12:28 (GM	Г-08:00) Рас	ific Time (US		
&					
Fixed Gases	10/14/24 00:00	7	10/30/24 12:28		
TO-15	10/14/24 00:00	7	11/01/24 12:28	+ 1,1 DFA	
T243969-02 SV1-15 [Ai	ir] Sampled 10/02/24 12:00 (GM	IT-08:00) Pa	cific Time		
TO-15	10/14/24 00:00	7	11/01/24 12:00	+ 1,1 DFA	
1243909-03 SV2-5 [AII & TO-15	Sampled 10/02/24 01:26 (GM <sup>*</sup> )	7	11/01/24 01:26	+ 1,1 DFA	
T243969-04 SV2-15 [Ai	ir] Sampled 10/02/24 12:59 (GM	IT-08:00) Pa	cific Time		
TO-15	10/14/24 00:00	7	11/01/24 12:59	+ 1,1 DFA	
T243969-05 SV3-5 [Air &	Sampled 10/02/24 02:25 (GM	Г-08:00) Рас	ific Time (US		
Fixed Gases	10/14/24 00:00	7	10/30/24 02:25		
TO-15	10/14/24 00:00	7	11/01/24 02:25	+ 1,1 DFA	
T243969-06 SV3-15 [Ai	ir] Sampled 10/02/24 01:57 (GM	IT-08:00) Pa	cific Time		
TO-15	10/14/24 00:00	7	11/01/24 01:57	+ 1,1 DFA	

Printed: 10/4/2024 9:56:44AM



### WORK ORDER

# T243969

Client:Krazan, ClovisProject Manager:Jeff LeeProject:Trent WestersonProject Number:024-24038

Analysis	Due	TAT	Expires	Comments	
T243969-07 SV4-5 [Ai	ir] Sampled 10/02/24 03:24 (GMT-	-08:00) Pac	ific Time (US		
TO-15	10/14/24 00:00	7	11/01/24 03:24	+ 1,1 DFA	
•	Air] Sampled 10/02/24 02:55 (GMT	Г-08:00) <b>Р</b> а	cific Time		
(US &					
TO-15	10/14/24 00:00	7	11/01/24 02:55	+ 1,1 DFA	

Reviewed By Date Page 2 of 2