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February 2, 2026

Jerrid Brann
Simcoe LLC
1199 Main Ave Suite 101
Durango, CO 81301

**RE: Jaquez Gas Com B #003E
2025 Annual Monitoring Report**

Dear Mr. Brann,

Cottonwood Consulting LLC (Cottonwood) is pleased to provide Simcoe LLC (Simcoe) with the results of the soil vapor extraction (SVE) monitoring conducted at the Jaquez Gas Com B #003E well site (API 30-045-24217). Details regarding the methodology and associated results are summarized below.

Background

In September 2018, approximately 5 barrels (bbls) of condensate was released from a production tank at the Jaquez Gas Com B #003E well site. Soil boring results indicated that hydrocarbon impacts existed in the area below the tank location at depths of approximately 20-45 feet. The SVE system was installed to perform in-situ remediation of these soils. The SVE system was installed in August 2019.

Methodology

The SVE commenced operation in August 2019. As per the remediation plan approved the New Mexico Oil Conservation Division (NMOCD), monitoring is conducted monthly or more often as needed. During the monitoring, observations are made about the SVE system operation and general condition, organic vapor meter (OVM) readings are collected from the exhaust of the SVE unit, vacuum pressure on the unit is noted, and the quantity of water within the drum located on the unit is noted and the drum drained, if required.

The SVE system is extracting from SVE points #3, #5, and #7.

Per the remediation plan, a gas sample is collected on a quarterly basis. Gas sampling was conducted on March 26, June 18, September 17, and December 10, 2025. The gas samples were submitted to Hall Environmental Analysis Laboratory (HEAL) for analysis of volatile organic compounds (VOCs) by US EPA Method 8260B, carbon dioxide, and oxygen.

Cottonwood Consulting LLC

Brann, J.
Page 2 of 2

Monitoring Results

It appears that the SVE system has reduced OVM readings in SVE points #3, #5, and #7. The system was operational upon arrival during 75 percent of the monitoring events.

Benzene, ethylbenzene, and toluene were not detected during any of the sampling events. Total xylenes were detected in the gas sample collected from the SVE system during the June 18, 2025 sampling event. There were no detections of total xylenes for any other 2025 sampling event. See Figure 1 for OVM reading results, Attachment 1 for a summary of the SVE System Monitoring Data, and Attachment 2 for the gas sample laboratory report.

Conclusion

Simcoe will continue to conduct regular monitoring and sampling at the Jaquez Gas Com B #003E SVE system. In the future, Simcoe may advance subsurface soil borings to verify closure standards are met.

Should you have any questions, please do not hesitate to contact me at 970-764-7356. Cottonwood appreciates the opportunity to provide services to Simcoe.

Sincerely,



Kyle Siesser, P.G.
Cottonwood Consulting LLC

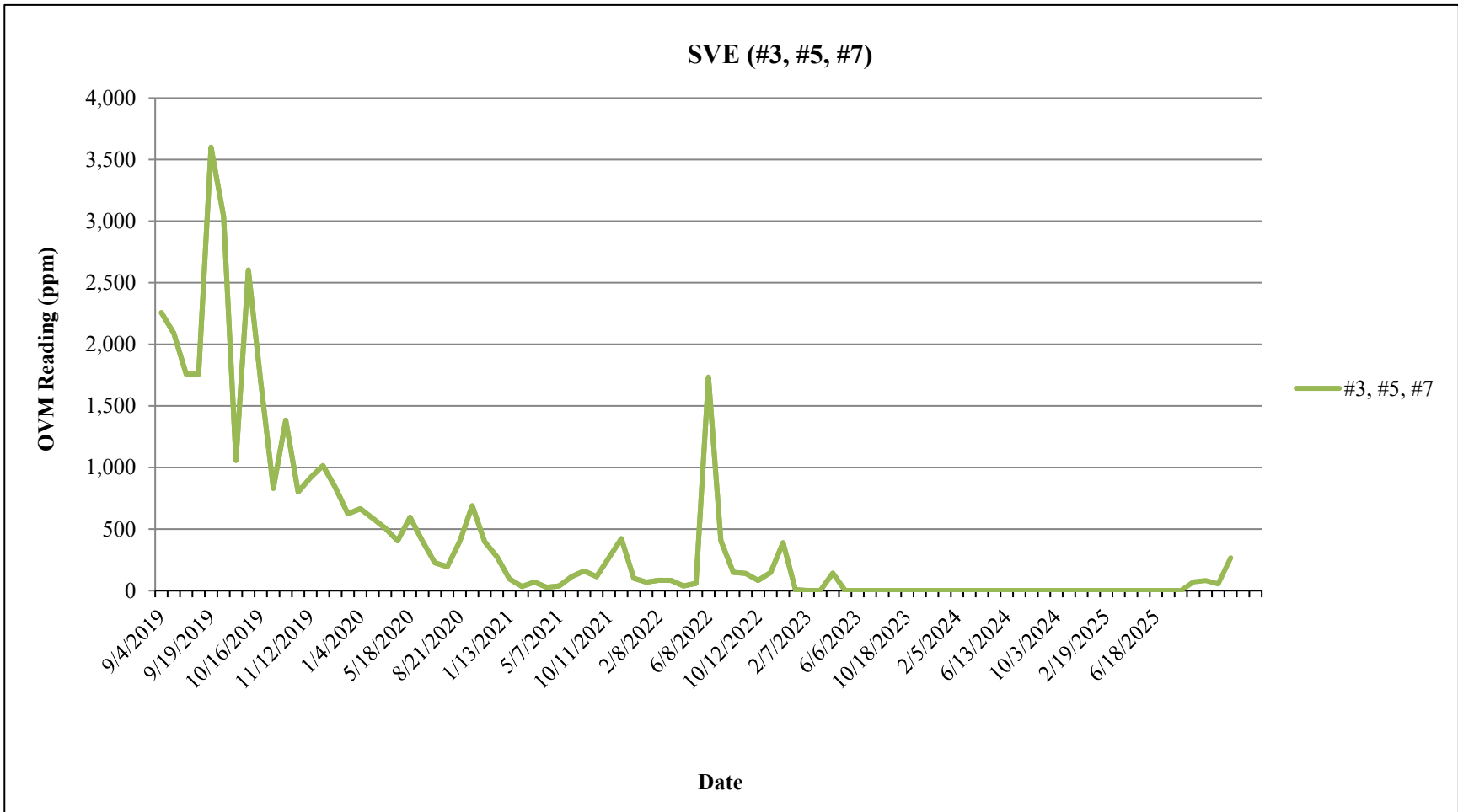
Attachments: Figure 1 – OVM Reading Results
Attachment 1 – SVE System Monitoring Data
Attachment 2 – Gas Sampling Laboratory Report

Cottonwood Consulting LLC



FIGURE 1

Jaquez Gas Com B #003E
OVM Reading Results
Simcoe LLC





ATTACHMENT 1

Jaquez Gas Com B #003E
SVE Monitoring Results
Simcoe LLC

Date	SVE Point	Exhaust OVM (ppm)	Vacuum Pressure Upstream of Drum (inHg)	Vacuum Pressure Downstream of Drum (inHg)	System Run Time	System Operational at Arrival	Water Drained	Water Drained (gal)	Comments
8/27/2019	#2-#7	1765.0	1.77	-	-	-	-	-	Initial start up (SVE - #2,#3,#4,#5,#6,#7 open)
8/28/2019	#2-#7	1727.0	1.77	-	-	YES	NO	-	(SVE - #2,#3,#4,#5,#6,#7 open), drum water below drain plug
8/29/2019	#2-#7	1441.0	1.77	-	-	YES	NO	-	(SVE - #2,#3,#4,#5,#6,#7 open), drum water below drain plug
8/30/2019	#2-#7	3755.0	1.84	-	-	YES	NO	-	(SVE - #2,#3,#4,#5,#6,#7 open), drum water below drain plug
8/31/2019	#2-#7	3549.0	0.00	-	-	YES	NO	-	(SVE - #2,#3,#4,#5,#6,#7 open), drum water below drain plug
9/3/2019	#2-#7	1718.0	1.47	-	-	YES	NO	-	All 9 SVE pts. open; drum water below drain plug
9/4/2019	#3,#5,#7	2257.0	3.09	-	-	YES	NO	-	drum water below drain plug
9/5/2019	#3,#5,#7	2090.0	3.09	-	-	YES	NO	-	drum water below drain plug
9/10/2019	#3,#5,#7	1757.0	3.09	-	-	YES	NO	-	drum water below drain plug
9/12/2019	#3,#5,#7	1757.0	3.02	-	-	YES	NO	-	drum water below drain plug
9/19/2019	#3,#5,#7	3600.0	3.02	-	-	YES	NO	-	drum water below drain plug
9/25/2019	#3,#5,#7	3040.0	3.02	-	-	YES	NO	-	Water in drum 2.5" above drain plug
10/3/2019	#3,#5,#7	1057.0	2.94	-	-	YES	NO	-	Water in drum not measured
10/8/2019	#3,#5,#7	2603.0	2.94	-	-	YES	YES	15.50	Peak reading for OVM recorded
10/16/2019	#3,#5,#7	1695.0	2.87	-	-	YES	YES	17.00	Drained, restarted
10/22/2019	#3,#5,#7	830.0	2.87	-	-	YES	YES	14.00	Drained, restarted
10/29/2019	#3,#5,#7	1384.0	2.80	-	-	YES	YES	20.50	Drained, restarted
11/1/2019	#3,#5,#7	NA	2.80	-	-	YES	YES	14.00	Drained, restarted
11/6/2019	#3,#5,#7	800.0	2.65	-	-	YES	YES	16.00	Drained, restarted
11/12/2019	#3,#5,#7	917.0	2.65	-	-	YES	YES	17.00	Drained, restarted
11/22/2019	#3,#5,#7	NA	-	-	-	NO	NO	-	high water level shut off, drum water below drain plug, restarted
11/29/2019	#3,#5,#7	1015.0	2.50	-	-	YES	YES	25.50	Drained, restarted
12/6/2019	#3,#5,#7	NA	2.43	-	-	NO	YES	9.00	Drained, restarted, then collected data
12/10/2019	#3,#5,#7	836.0	2.50	-	-	YES	YES	14.00	Drained, restarted
12/16/2019	#3,#5,#7	623.0	2.43	-	-	YES	YES	22.00	Drained, restarted
12/21/2019	#3,#5,#7	NA	2.43	-	-	YES	YES	23.50	Drained, restarted
12/24/2019	#3,#5,#7	NA	2.43	-	-	YES	YES	15.50	Drained, restarted
12/30/2019	#3,#5,#7	NA	2.35	-	-	YES	YES	14.00	Drained, restarted
1/4/2020	#3,#5,#7	665.0	2.43	-	-	YES	YES	23.50	Drained, restarted
1/9/2020	#3,#5,#7	NA	0.96	-	-	YES	NO	-	
1/10/2020	#3,#5,#7	NA	2.35	-	-	YES	YES	12.00	Temp. repair of pvc near VEP #1. Drained, restarted, then collected data
1/14/2020	#3,#5,#7	NA	2.21	-	-	NO	NO	-	Water in drum below drain port, restarted, then collected data
1/17/2020	#3,#5,#7	NA	2.35	-	-	YES	YES	8.00	Drained, restarted
1/22/2020	#3,#5,#7	NA	2.43	-	-	YES	YES	18.50	Drained, restarted
1/29/2020	#3,#5,#7	587.0	2.21	-	-	NO	NO	-	Dry drum, restarted, then collected data
2/3/2020	#3,#5,#7	NA	2.50	-	-	YES	YES	13.00	Drained, restarted
2/10/2020	#3,#5,#7	NA	-	-	-	NO	NO	-	High water level shut off, water in drum below drain port, restarted
2/18/2020	#3,#5,#7	NA	2.50	-	-	YES	YES	21.00	Drained, restarted
2/25/2020	#3,#5,#7	NA	2.57	-	-	YES	YES	22.00	Drained, restarted
3/4/2020	#3,#5,#7	508.0	2.50	-	-	YES	YES	22.00	Drained, restarted
3/12/2020	#3,#5,#7	NA	2.21	-	-	YES	YES	13.50	Drained, restarted
3/25/2020	#3,#5,#7	NA	-	-	-	NO	NO	-	High water level shut off, water in drum below drain port, restarted
4/14/2020	#3,#5,#7	404.0	2.28	-	-	YES	YES	23.50	Drained, restarted
5/18/2020	#3,#5,#7	596.0	2.21	-	-	YES	YES	2.00	Drained, restarted
6/1/2020	#3,#5,#7	402.0	2.06	-	-	YES	NO	-	Water in drum not measured, air sample collected
6/24/2020	#3,#5,#7	226.0	1.91	-	-	YES	NO	-	Water in drum not measured

Jaquez Gas Com B #003E
SVE Monitoring Results
Simcoe LLC

Date	SVE Point	Exhaust OVM (ppm)	Vacuum Pressure Upstream of Drum (inHg)	Vacuum Pressure Downstream of Drum (inHg)	System Run Time	System Operational at Arrival	Water Drained	Water Drained (gal)	Comments
7/29/2020	#3,#5,#7	194.0	1.91	-	-	YES	NO	-	Water in drum not measured
8/21/2020	#3,#5,#7	400.5	2.21	-	-	YES	NO	-	Dry drum
9/24/2020	#3,#5,#7	689.0	2.06	-	-	YES	NO	-	Water in drum below drain port
10/22/2020	#3,#5,#7	398.0	1.77	-	-	YES	NO	-	Water in drum just above drain
10/29/2020	#3,#5,#7	NA	1.77	-	-	YES	NO	17.00	
11/5/2020	#3,#5,#7	NA	1.91	-	-	YES	YES	7.00	
11/11/2020	#3,#5,#7	NA	1.91	-	-	YES	YES	10.50	
11/16/2020	#3,#5,#7	274.0	1.62	-	-	YES	YES	10.50	
11/23/2020	#3,#5,#7	NA	1.03	-	-	YES	NO	-	Water in drum below drain port
12/4/2020	#3,#5,#7	NA	1.03	-	-	NO	NO	-	Water in drum below drain port, restarted, then collected readings
12/10/2020	#3,#5,#7	NA	1.47	-	-	YES	YES	17.00	
12/15/2020	#3,#5,#7	NA	1.03	-	-	YES	YES	18.50	Drum bottom leaking badly after removing top cap to measure water
12/21/2020	#3,#5,#7	NA	1.84	-	-	YES	YES	10.50	Drum bottom leaking badly after removing top cap to measure water
1/13/2021	#3,#5,#7	94.2	-	-	-	YES	-	-	
2/5/2021	#3,#5,#7	33.6	-	-	-	YES	-	-	
3/30/2021	#3,#5,#7	69.1	-	-	-	YES	-	-	
4/15/2021	#3,#5,#7	26.9	-	-	-	YES	-	-	
5/7/2021	#3,#5,#7	38.1	-	-	-	YES	-	-	
6/9/2021	#3,#5,#7	113.1	-	-	-	YES	-	-	
7/13/2021	#3,#5,#7	158.8	-	-	-	YES	-	-	
9/29/2021	#3,#5,#7	113.0	2.13	-	-	YES	YES	3.29	
10/11/2021	#3,#5,#7	267.3	2.06	-	-	YES	YES	13.16	
11/6/2021	#3,#5,#7	421.5	1.47	-	-	NO	NO	-	Dry drum. Restarted system then collected data.
12/13/2021	#3,#5,#7	100.0	0.88	-	-	NO	NO	-	Dry drum. Restarted system then collected data.
1/4/2022	#3,#5,#7	68.6	0.88	-	-	NO	NO	-	Drum leaks, no water. Restarted system.
2/8/2022	#3,#5,#7	84.0	1.03	-	-	YES	NO	-	Water in drum below drain port
3/16/2022	#3,#5,#7	82.5	0.88	-	-	YES	NO	-	Did not shut down system
4/7/2022	#3,#5,#7	37.7	0.74	-	-	YES	NO	-	Drum dry
5/2/2022	#3,#5,#7	58.5	0.88	-	-	YES	NO	-	
6/8/2022	#3,#5,#7	1733.0	1.99	-	-	YES	NO	-	Water in drum below drain port
7/5/2022	#3,#5,#7	405.2	2.06	-	-	YES	NO	-	
8/17/2022	#3,#5,#7	148.3	2.06	-	-	YES	NO	-	
9/14/2022	#3,#5,#7	139.7	2.06	-	-	YES	NO	-	
10/12/2022	#3,#5,#7	82.6	2.06	-	-	YES	NO	-	Leaking drum
11/10/2022	#3,#5,#7	147.0	2.13	-	-	YES	YES	13.99	
12/14/2022	#3,#5,#7	389.5	1.54	-	-	NO	NO	-	Drum frozen
1/10/2023	#3,#5,#7	7.4	0.00	-	-	NO	YES	37.85	Attempted to restart, unit would not turn on
2/7/2023	#3,#5,#7	1.0	-	-	-	NO	NO	-	Attempted to restart, unit would not turn on. Drum frozen.
3/9/2023	#3,#5,#7	-	-	-	-	NO	NO	-	System not operational
4/6/2023	#3,#5,#7	142.1	2.21	-	334.3	YES	YES	5.35	
5/3/2023	#3,#5,#7	-	-	-	-	NO	YES	4.94	System won't start
6/6/2023	#3,#5,#7	123.2	1.77	-	1606.7	YES	YES	2.29	1606.7 hrs
7/7/2023	#3,#5,#7	88.7	1.77	-	2351.8	YES	NO	-	2351.8 hrs
8/9/23	#3,#5,#7	115.3	1.77	-	3137.9	YES	NO	-	
9/7/2023	#3,#5,#7	41.1	1.77	-	3833.6	YES	NO	-	
10/18/2023	#3,#5,#7	227.5	1.77	-	4817.4	YES	YES	10.70	

Jaquez Gas Com B #003E
SVE Monitoring Results
Simcoe LLC

Date	SVE Point	Exhaust OVM (ppm)	Vacuum Pressure Upstream of Drum (inHg)	Vacuum Pressure Downstream of Drum (inHg)	System Run Time	System Operational at Arrival	Water Drained	Water Drained (gal)	Comments
11/15/2023	#3,#5,#7	30.2	1.91	-	5326.0	YES	YES	18.92	
12/15/2023	#3,#5,#7	1.4	2.00	-	-	YES	YES	4.94	Run time gauge was not readable
1/15/2024	#3,#5,#7	0.1	6.00	-	5520.1	YES	NO	-	Run time gauge has condensation and is hard to read
2/5/2024	#3,#5,#7	0.8	0.20	-	7031.1	YES	NO	-	Water in drum was frozen
3/11/2024	#3,#5,#7	1.2	0.20	0.20	7869.8	YES	NO	-	
4/8/2024	#3,#5,#7	6	0.20	0.20	8543.6	YES	NO	-	
5/6/2024	#3,#5,#7	1.1	0.20	0.20	10215.4	YES	NO	-	Drum dry
6/13/2024	#3,#5,#7	6.2	0.10	0.10	1264.0	YES	NO	-	
7/5/2024	#3,#5,#7	1.6	0.10	0.10	651.7	YES	NO	-	Hours appeared to be reset from previous inspection
8/7/2024	#3,#5,#7	3	0.10	0.10	1441.3	YES	NO	-	Drum dry
9/18/2024	#3,#5,#7	7.3	0.10	0.10	2449.7	YES	NO	-	
10/3/2024	#3,#5,#7	14.7	1.25	1.25	2809.9	YES	NO	-	Crack in PVC of SVE point
11/11/2024	#3,#5,#7	17.8	1.25	1.25	3747.9	YES	YES	18.10	
12/11/2024	#3,#5,#7	4.3	0.00	0.00	4961.9	YES	NO	-	Missing PVC cap on downstream pipe 2" fitting
1/7/2025	#3,#5,#7	9.4	1.25	1.25	5116.5	YES	NO	-	Drum was frozen, could not drain during site visit.
2/19/2025	#3,#5,#7	7.1	1.50	1.50	5257.8	NO	YES	31.27	
3/26/2025	#3,#5,#7	32.5	2.25	2.25	5891.3	YES	YES	14.40	
4/8/2025	#3,#5,#7	34.2	2.50	2.50	6203.3	YES	YES	22.22	6' of 2" PVC replaced
5/13/2025	#3,#5,#7	68.7	2.50	2.50	7047.2	YES	YES	1.65	
6/18/2025	#3,#5,#7	56.2	2.50	2.50	7908.1	YES	YES	7.82	
7/21/2025	#3,#5,#7	67.5	2.50	2.50	8698.8	YES	NO	-	
8/11/2025	#3,#5,#7	55.2	2.50	2.50	9204.1	YES	NO	-	
9/17/2025	#3,#5,#7	71.0	2.50	2.00	74.9	YES	NO	-	Quarterly has sample collected. Hours appear to be reset.
10/1/2025	#3,#5,#7	81.3	2.00	2.00	75.1	NO	NO	-	
11/11/2025	#3,#5,#7	54.6	2.00	2.00	-	NO	YES	24.68	Run time gauge LCD is unreadable. Hours appear to read 5850.1.
12/10/2025	#3,#5,#7	266.3	2.00	2.00	957.1	YES	YES	23.86	

Notes:

- SVE - soil vapor extraction
- OVM - organic vapor meter
- ppm - parts per million
- in - inches
- cfm - cubic feet per minute
- gal - gallons
- NA - Not Applicable
- inHg - inches mercury



ATTACHMENT 2



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kyle Siesser
 Cottonwood Consulting LLC
 PO BOX 1653
 Durango, Colorado 81302
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JOB DESCRIPTION

Jaquez GCB#003E

JOB NUMBER

885-22171-1



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)345-3975

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GCB#003E

Laboratory Job ID: 885-22171-1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	8
QC Association Summary	10
Lab Chronicle	11
Certification Summary	12
Subcontract Data	15
Chain of Custody	22
Receipt Checklists	23

Definitions/Glossary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GCB#003E

Job ID: 885-22171-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Cottonwood Consulting LLC
Project: Jaquez GCB#003E

Job ID: 885-22171-1

Job ID: 885-22171-1

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Job Narrative 885-22171-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 3/27/2025 7:10 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Subcontract Work

Method Natural Gases O2, CO2: This method was subcontracted to Energy Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

GC/MS VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GCB#003E

Job ID: 885-22171-1

Client Sample ID: SVE

Lab Sample ID: 885-22171-1

Date Collected: 03/26/25 11:40

Matrix: Air

Date Received: 03/27/25 07:10

Sample Container: Tedlar Bag 1L

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10	ug/L			04/04/25 17:29	1
1,1,1-Trichloroethane	ND		0.10	ug/L			04/04/25 17:29	1
1,1,2,2-Tetrachloroethane	ND		0.20	ug/L			04/04/25 17:29	1
1,1,2-Trichloroethane	ND		0.10	ug/L			04/04/25 17:29	1
1,1-Dichloroethane	ND		0.10	ug/L			04/04/25 17:29	1
1,1-Dichloroethene	ND		0.10	ug/L			04/04/25 17:29	1
1,1-Dichloropropene	ND		0.10	ug/L			04/04/25 17:29	1
1,2,3-Trichlorobenzene	ND		0.10	ug/L			04/04/25 17:29	1
1,2,3-Trichloropropane	ND		0.20	ug/L			04/04/25 17:29	1
1,2,4-Trichlorobenzene	ND		0.10	ug/L			04/04/25 17:29	1
1,2,4-Trimethylbenzene	ND		0.10	ug/L			04/04/25 17:29	1
1,2-Dibromo-3-Chloropropane	ND		0.20	ug/L			04/04/25 17:29	1
1,2-Dibromoethane (EDB)	ND		0.10	ug/L			04/04/25 17:29	1
1,2-Dichlorobenzene	ND		0.10	ug/L			04/04/25 17:29	1
1,2-Dichloroethane (EDC)	ND		0.10	ug/L			04/04/25 17:29	1
1,2-Dichloropropane	ND		0.10	ug/L			04/04/25 17:29	1
1,3,5-Trimethylbenzene	ND		0.10	ug/L			04/04/25 17:29	1
1,3-Dichlorobenzene	ND		0.10	ug/L			04/04/25 17:29	1
1,3-Dichloropropane	ND		0.10	ug/L			04/04/25 17:29	1
1,4-Dichlorobenzene	ND		0.10	ug/L			04/04/25 17:29	1
1-Methylnaphthalene	ND		0.40	ug/L			04/04/25 17:29	1
2,2-Dichloropropane	ND		0.20	ug/L			04/04/25 17:29	1
2-Butanone	ND		1.0	ug/L			04/04/25 17:29	1
2-Chlorotoluene	ND		0.10	ug/L			04/04/25 17:29	1
2-Hexanone	ND		1.0	ug/L			04/04/25 17:29	1
2-Methylnaphthalene	ND		0.40	ug/L			04/04/25 17:29	1
4-Chlorotoluene	ND		0.10	ug/L			04/04/25 17:29	1
4-Isopropyltoluene	ND		0.10	ug/L			04/04/25 17:29	1
4-Methyl-2-pentanone	ND		1.0	ug/L			04/04/25 17:29	1
Acetone	ND		1.0	ug/L			04/04/25 17:29	1
Benzene	ND		0.10	ug/L			04/04/25 17:29	1
Bromobenzene	ND		0.10	ug/L			04/04/25 17:29	1
Bromodichloromethane	ND		0.10	ug/L			04/04/25 17:29	1
Dibromochloromethane	ND		0.10	ug/L			04/04/25 17:29	1
Bromoform	ND		0.10	ug/L			04/04/25 17:29	1
Bromomethane	ND		0.30	ug/L			04/04/25 17:29	1
Carbon disulfide	ND		1.0	ug/L			04/04/25 17:29	1
Carbon tetrachloride	ND		0.10	ug/L			04/04/25 17:29	1
Chlorobenzene	ND		0.10	ug/L			04/04/25 17:29	1
Chloroethane	ND		0.20	ug/L			04/04/25 17:29	1
Chloroform	ND		0.10	ug/L			04/04/25 17:29	1
Chloromethane	ND		0.30	ug/L			04/04/25 17:29	1
cis-1,2-Dichloroethene	ND		0.10	ug/L			04/04/25 17:29	1
cis-1,3-Dichloropropene	ND		0.10	ug/L			04/04/25 17:29	1
Dibromomethane	ND		0.10	ug/L			04/04/25 17:29	1
Dichlorodifluoromethane	ND		0.10	ug/L			04/04/25 17:29	1
Ethylbenzene	ND		0.10	ug/L			04/04/25 17:29	1
Hexachlorobutadiene	ND		0.10	ug/L			04/04/25 17:29	1

Eurofins Albuquerque

Client Sample Results

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GCB#003E

Job ID: 885-22171-1

Client Sample ID: SVE

Lab Sample ID: 885-22171-1

Date Collected: 03/26/25 11:40

Matrix: Air

Date Received: 03/27/25 07:10

Sample Container: Tedlar Bag 1L

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.10	ug/L			04/04/25 17:29	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10	ug/L			04/04/25 17:29	1
Methylene Chloride	ND		0.30	ug/L			04/04/25 17:29	1
n-Butylbenzene	ND		0.30	ug/L			04/04/25 17:29	1
N-Propylbenzene	ND		0.10	ug/L			04/04/25 17:29	1
Naphthalene	ND		0.20	ug/L			04/04/25 17:29	1
sec-Butylbenzene	ND		0.10	ug/L			04/04/25 17:29	1
Styrene	ND		0.10	ug/L			04/04/25 17:29	1
tert-Butylbenzene	ND		0.10	ug/L			04/04/25 17:29	1
Tetrachloroethene (PCE)	ND		0.10	ug/L			04/04/25 17:29	1
Toluene	ND		0.10	ug/L			04/04/25 17:29	1
trans-1,2-Dichloroethene	ND		0.10	ug/L			04/04/25 17:29	1
trans-1,3-Dichloropropene	ND		0.10	ug/L			04/04/25 17:29	1
Trichloroethene (TCE)	ND		0.10	ug/L			04/04/25 17:29	1
Trichlorofluoromethane	ND		0.10	ug/L			04/04/25 17:29	1
Vinyl chloride	ND		0.10	ug/L			04/04/25 17:29	1
Xylenes, Total	ND		0.15	ug/L			04/04/25 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 130		04/04/25 17:29	1
Toluene-d8 (Surr)	102		70 - 130		04/04/25 17:29	1
4-Bromofluorobenzene (Surr)	94		70 - 130		04/04/25 17:29	1
Dibromofluoromethane (Surr)	109		70 - 130		04/04/25 17:29	1

QC Sample Results

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GCB#003E

Job ID: 885-22171-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-23672/5

Matrix: Air

Analysis Batch: 23672

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10	ug/L			04/04/25 12:06	1
1,1,1-Trichloroethane	ND		0.10	ug/L			04/04/25 12:06	1
1,1,2,2-Tetrachloroethane	ND		0.20	ug/L			04/04/25 12:06	1
1,1,2-Trichloroethane	ND		0.10	ug/L			04/04/25 12:06	1
1,1-Dichloroethane	ND		0.10	ug/L			04/04/25 12:06	1
1,1-Dichloroethene	ND		0.10	ug/L			04/04/25 12:06	1
1,1-Dichloropropene	ND		0.10	ug/L			04/04/25 12:06	1
1,2,3-Trichlorobenzene	ND		0.10	ug/L			04/04/25 12:06	1
1,2,3-Trichloropropane	ND		0.20	ug/L			04/04/25 12:06	1
1,2,4-Trichlorobenzene	ND		0.10	ug/L			04/04/25 12:06	1
1,2,4-Trimethylbenzene	ND		0.10	ug/L			04/04/25 12:06	1
1,2-Dibromo-3-Chloropropane	ND		0.20	ug/L			04/04/25 12:06	1
1,2-Dibromoethane (EDB)	ND		0.10	ug/L			04/04/25 12:06	1
1,2-Dichlorobenzene	ND		0.10	ug/L			04/04/25 12:06	1
1,2-Dichloroethane (EDC)	ND		0.10	ug/L			04/04/25 12:06	1
1,2-Dichloropropane	ND		0.10	ug/L			04/04/25 12:06	1
1,3,5-Trimethylbenzene	ND		0.10	ug/L			04/04/25 12:06	1
1,3-Dichlorobenzene	ND		0.10	ug/L			04/04/25 12:06	1
1,3-Dichloropropane	ND		0.10	ug/L			04/04/25 12:06	1
1,4-Dichlorobenzene	ND		0.10	ug/L			04/04/25 12:06	1
1-Methylnaphthalene	ND		0.40	ug/L			04/04/25 12:06	1
2,2-Dichloropropane	ND		0.20	ug/L			04/04/25 12:06	1
2-Butanone	ND		1.0	ug/L			04/04/25 12:06	1
2-Chlorotoluene	ND		0.10	ug/L			04/04/25 12:06	1
2-Hexanone	ND		1.0	ug/L			04/04/25 12:06	1
2-Methylnaphthalene	ND		0.40	ug/L			04/04/25 12:06	1
4-Chlorotoluene	ND		0.10	ug/L			04/04/25 12:06	1
4-Isopropyltoluene	ND		0.10	ug/L			04/04/25 12:06	1
4-Methyl-2-pentanone	ND		1.0	ug/L			04/04/25 12:06	1
Acetone	ND		1.0	ug/L			04/04/25 12:06	1
Benzene	ND		0.10	ug/L			04/04/25 12:06	1
Bromobenzene	ND		0.10	ug/L			04/04/25 12:06	1
Bromodichloromethane	ND		0.10	ug/L			04/04/25 12:06	1
Dibromochloromethane	ND		0.10	ug/L			04/04/25 12:06	1
Bromoform	ND		0.10	ug/L			04/04/25 12:06	1
Bromomethane	ND		0.30	ug/L			04/04/25 12:06	1
Carbon disulfide	ND		1.0	ug/L			04/04/25 12:06	1
Carbon tetrachloride	ND		0.10	ug/L			04/04/25 12:06	1
Chlorobenzene	ND		0.10	ug/L			04/04/25 12:06	1
Chloroethane	ND		0.20	ug/L			04/04/25 12:06	1
Chloroform	ND		0.10	ug/L			04/04/25 12:06	1
Chloromethane	ND		0.30	ug/L			04/04/25 12:06	1
cis-1,2-Dichloroethene	ND		0.10	ug/L			04/04/25 12:06	1
cis-1,3-Dichloropropene	ND		0.10	ug/L			04/04/25 12:06	1
Dibromomethane	ND		0.10	ug/L			04/04/25 12:06	1
Dichlorodifluoromethane	ND		0.10	ug/L			04/04/25 12:06	1
Ethylbenzene	ND		0.10	ug/L			04/04/25 12:06	1
Hexachlorobutadiene	ND		0.10	ug/L			04/04/25 12:06	1

Eurofins Albuquerque

QC Sample Results

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GCB#003E

Job ID: 885-22171-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-23672/5
 Matrix: Air
 Analysis Batch: 23672

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Isopropylbenzene	ND		0.10	ug/L			04/04/25 12:06	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10	ug/L			04/04/25 12:06	1
Methylene Chloride	ND		0.30	ug/L			04/04/25 12:06	1
n-Butylbenzene	ND		0.30	ug/L			04/04/25 12:06	1
N-Propylbenzene	ND		0.10	ug/L			04/04/25 12:06	1
Naphthalene	ND		0.20	ug/L			04/04/25 12:06	1
sec-Butylbenzene	ND		0.10	ug/L			04/04/25 12:06	1
Styrene	ND		0.10	ug/L			04/04/25 12:06	1
tert-Butylbenzene	ND		0.10	ug/L			04/04/25 12:06	1
Tetrachloroethene (PCE)	ND		0.10	ug/L			04/04/25 12:06	1
Toluene	ND		0.10	ug/L			04/04/25 12:06	1
trans-1,2-Dichloroethene	ND		0.10	ug/L			04/04/25 12:06	1
trans-1,3-Dichloropropene	ND		0.10	ug/L			04/04/25 12:06	1
Trichloroethene (TCE)	ND		0.10	ug/L			04/04/25 12:06	1
Trichlorofluoromethane	ND		0.10	ug/L			04/04/25 12:06	1
Vinyl chloride	ND		0.10	ug/L			04/04/25 12:06	1
Xylenes, Total	ND		0.15	ug/L			04/04/25 12:06	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	114		70 - 130		04/04/25 12:06	1
Toluene-d8 (Surr)	105		70 - 130		04/04/25 12:06	1
4-Bromofluorobenzene (Surr)	89		70 - 130		04/04/25 12:06	1
Dibromofluoromethane (Surr)	111		70 - 130		04/04/25 12:06	1

Lab Sample ID: LCS 885-23672/4
 Matrix: Air
 Analysis Batch: 23672

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	20.3		ug/L		101	70 - 130
Chlorobenzene	20.0	22.4		ug/L		112	70 - 130
Toluene	20.0	22.0		ug/L		110	70 - 130
Trichloroethene (TCE)	20.0	17.9		ug/L		90	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	109		70 - 130
Toluene-d8 (Surr)	111		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	109		70 - 130

Eurofins Albuquerque

QC Association Summary

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GCB#003E

Job ID: 885-22171-1

GC/MS VOA

Analysis Batch: 23672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22171-1	SVE	Total/NA	Air	8260B	
MB 885-23672/5	Method Blank	Total/NA	Air	8260B	
LCS 885-23672/4	Lab Control Sample	Total/NA	Air	8260B	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Lab Chronicle

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GCB#003E

Job ID: 885-22171-1

Client Sample ID: SVE

Lab Sample ID: 885-22171-1

Date Collected: 03/26/25 11:40

Matrix: Air

Date Received: 03/27/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	23672	CM	EET ALB	04/04/25 17:29

Laboratory References:

= , 1120 South 27th Street, Billings, MT 59101, TEL (406)252-6325

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GCB#003E

Job ID: 885-22171-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GCB#003E

Job ID: 885-22171-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

Oregon	NELAP	NM100001	02-26-26
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GCB#003E

Job ID: 885-22171-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

Eurofins Albuquerque



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ANALYTICAL SUMMARY REPORT

April 03, 2025

Eurofins TestAmerica - Albuquerque
4901 Hawkins St NE Ste D
Albuquerque, NM 87109-4372

Work Order: B25032140 Quote ID: B15626

Project Name: Jaquez GCB#003E, 88501577

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 3/31/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25032140-001	SVE (885-22171-1)	03/26/25 11:40	03/31/25	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond./1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.





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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Eurofins TestAmerica - Albuquerque
Project: Jaquez GCB#003E, 88501577
Lab ID: B25032140-001
Client Sample ID: SVE (885-22171-1)

Report Date: 04/03/25
Collection Date: 03/26/25 11:40
Date Received: 03/31/25
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	21.94	Mol %		0.01		GPA 2261-13	04/01/25 10:02 / jrj
Nitrogen	77.97	Mol %		0.01		GPA 2261-13	04/01/25 10:02 / jrj
Carbon Dioxide	0.07	Mol %		0.01		GPA 2261-13	04/01/25 10:02 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	04/01/25 10:02 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-13	04/01/25 10:02 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-13	04/01/25 10:02 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	04/01/25 10:02 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-13	04/01/25 10:02 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-13	04/01/25 10:02 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-13	04/01/25 10:02 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-13	04/01/25 10:02 / jrj
Hexanes plus	0.02	Mol %		0.01		GPA 2261-13	04/01/25 10:02 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	04/01/25 10:02 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	04/01/25 10:02 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	04/01/25 10:02 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-13	04/01/25 10:02 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	04/01/25 10:02 / jrj
Hexanes plus	0.008	gpm		0.001		GPA 2261-13	04/01/25 10:02 / jrj
GPM Total	0.008	gpm		0.001		GPA 2261-13	04/01/25 10:02 / jrj
GPM Pentanes plus	0.008	gpm		0.001		GPA 2261-13	04/01/25 10:02 / jrj

CALCULATED PROPERTIES

Gross BTU per cu ft @ Std Cond. (HHV)	1			1		GPA 2261-13	04/01/25 10:02 / jrj
Net BTU per cu ft @ std cond. (LHV)	1			1		GPA 2261-13	04/01/25 10:02 / jrj
Pseudo-critical Pressure, psia	545			1		GPA 2261-13	04/01/25 10:02 / jrj
Pseudo-critical Temperature, deg R	239			1		GPA 2261-13	04/01/25 10:02 / jrj
Specific Gravity @ 60/60F	0.999			0.001		D3588-81	04/01/25 10:02 / jrj
Air, %	100.23			0.01		GPA 2261-13	04/01/25 10:02 / jrj
- The analysis was not corrected for air.							

COMMENTS

-							04/01/25 10:02 / jrj
- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior. - GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions. - To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825. - Standard conditions: 60 F & 14.73 psi on a dry basis.							

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25032140

Report Date: 04/03/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261-13								Batch: R439022		
Lab ID: LCS040125	11 Laboratory Control Sample				Run: GC7890_250401A			04/01/25 13:37		
Oxygen		0.58	Mol %	0.01	118	70	130			
Nitrogen		5.97	Mol %	0.01	101	70	130			
Carbon Dioxide		0.99	Mol %	0.01	99	70	130			
Methane		76.3	Mol %	0.01	100	70	130			
Ethane		6.17	Mol %	0.01	102	70	130			
Propane		5.02	Mol %	0.01	101	70	130			
Isobutane		1.76	Mol %	0.01	88	70	130			
n-Butane		2.00	Mol %	0.01	100	70	130			
Isopentane		0.50	Mol %	0.01	100	70	130			
n-Pentane		0.51	Mol %	0.01	102	70	130			
Hexanes plus		0.20	Mol %	0.01	97	70	130			
Lab ID: B25032142-001ADUP	12 Sample Duplicate				Run: GC7890_250401A			04/01/25 11:40		
Oxygen		22.0	Mol %	0.01				0.7	20	
Nitrogen		77.9	Mol %	0.01				0.2	20	
Carbon Dioxide		0.07	Mol %	0.01				0.0	20	
Hydrogen Sulfide		<0.01	Mol %	0.01					20	
Methane		<0.01	Mol %	0.01					20	
Ethane		<0.01	Mol %	0.01					20	
Propane		<0.01	Mol %	0.01					20	
Isobutane		<0.01	Mol %	0.01					20	
n-Butane		<0.01	Mol %	0.01					20	
Isopentane		<0.01	Mol %	0.01					20	
n-Pentane		<0.01	Mol %	0.01					20	
Hexanes plus		0.02	Mol %	0.01				0.0	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



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Work Order Receipt Checklist

Eurofins TestAmerica - Albuquerque

B25032140

Login completed by: Kyelie L. Pflock

Date Received: 3/31/2025

Reviewed by: gmccartney

Received by: CMJ

Reviewed Date: 4/1/2025

Carrier name: FedEx NDA

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	10.0°C No Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None





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- 2
- 3
- 4
- 5
- 6
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- 9
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Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
Billings, MT  	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
USDA Soil Permit	P330-20-00170	
Washington	C1039	
Casper, WY 	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	Nevada	NV-C24-00245
	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
Washington	C1012	
Gillette, WY	US EPA Region VIII	WY00006
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

ICOC No:
885-4359

Containers

<u>Count</u>	<u>Container Type</u>	<u>Preservative</u>
1	Tedlar Bag 1L	None

Subcontract Method Instructions

Sample IDs	Method	Method Description	Method Comments
1	SUBCONTRACT	SUB (Natural Gases O2, CO2)	Fixed Gases - Natural Gases O2, CO2

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Login Sample Receipt Checklist

Client: Cottonwood Consulting LLC

Job Number: 885-22171-1

Login Number: 22171

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kyle Siesser
Cottonwood Consulting LLC
PO BOX 1653
Durango, Colorado 81302
Generated 7/8/2025 3:38:45 PM

JOB DESCRIPTION

Jaquez GC B #003E

JOB NUMBER

885-27098-1



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
7/8/2025 3:38:45 PM

Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)338-8812

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Laboratory Job ID: 885-27098-1



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	8
QC Association Summary	10
Lab Chronicle	11
Certification Summary	12
Subcontract Data	15
Chain of Custody	22
Receipt Checklists	23

Definitions/Glossary

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Job ID: 885-27098-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Cottonwood Consulting LLC
Project: Jaquez GC B #003E

Job ID: 885-27098-1

Job ID: 885-27098-1

Eurofins Albuquerque

Job Narrative 885-27098-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 6/19/2025 6:45 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Subcontract Work

Method Natural Gases O2, CO2: This method was subcontracted to Energy Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

GC/MS VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Job ID: 885-27098-1

Client Sample ID: SVE

Lab Sample ID: 885-27098-1

Date Collected: 06/18/25 13:00

Matrix: Air

Date Received: 06/19/25 06:45

Sample Container: Tedlar Bag 1L

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10	ug/L			06/25/25 14:22	1
1,1,1-Trichloroethane	ND		0.10	ug/L			06/25/25 14:22	1
1,1,2,2-Tetrachloroethane	ND		0.20	ug/L			06/25/25 14:22	1
1,1,2-Trichloroethane	ND		0.10	ug/L			06/25/25 14:22	1
1,1-Dichloroethane	ND		0.10	ug/L			06/25/25 14:22	1
1,1-Dichloroethene	ND		0.10	ug/L			06/25/25 14:22	1
1,1-Dichloropropene	ND		0.10	ug/L			06/25/25 14:22	1
1,2,3-Trichlorobenzene	ND		0.10	ug/L			06/25/25 14:22	1
1,2,3-Trichloropropane	ND		0.20	ug/L			06/25/25 14:22	1
1,2,4-Trichlorobenzene	ND		0.10	ug/L			06/25/25 14:22	1
1,2,4-Trimethylbenzene	0.15		0.10	ug/L			06/25/25 14:22	1
1,2-Dibromo-3-Chloropropane	ND		0.20	ug/L			06/25/25 14:22	1
1,2-Dibromoethane (EDB)	ND		0.10	ug/L			06/25/25 14:22	1
1,2-Dichlorobenzene	ND		0.10	ug/L			06/25/25 14:22	1
1,2-Dichloroethane (EDC)	ND		0.10	ug/L			06/25/25 14:22	1
1,2-Dichloropropane	ND		0.10	ug/L			06/25/25 14:22	1
1,3,5-Trimethylbenzene	1.1		0.10	ug/L			06/25/25 14:22	1
1,3-Dichlorobenzene	ND		0.10	ug/L			06/25/25 14:22	1
1,3-Dichloropropane	ND		0.10	ug/L			06/25/25 14:22	1
1,4-Dichlorobenzene	ND		0.10	ug/L			06/25/25 14:22	1
1-Methylnaphthalene	ND		0.40	ug/L			06/25/25 14:22	1
2,2-Dichloropropane	ND		0.20	ug/L			06/25/25 14:22	1
2-Butanone	ND		1.0	ug/L			06/25/25 14:22	1
2-Chlorotoluene	ND		0.10	ug/L			06/25/25 14:22	1
2-Hexanone	ND		1.0	ug/L			06/25/25 14:22	1
2-Methylnaphthalene	ND		0.40	ug/L			06/25/25 14:22	1
4-Chlorotoluene	ND		0.10	ug/L			06/25/25 14:22	1
4-Isopropyltoluene	ND		0.10	ug/L			06/25/25 14:22	1
4-Methyl-2-pentanone	ND		1.0	ug/L			06/25/25 14:22	1
Acetone	ND		1.0	ug/L			06/25/25 14:22	1
Benzene	ND		0.10	ug/L			06/25/25 14:22	1
Bromobenzene	ND		0.10	ug/L			06/25/25 14:22	1
Bromodichloromethane	ND		0.10	ug/L			06/25/25 14:22	1
Dibromochloromethane	ND		0.10	ug/L			06/25/25 14:22	1
Bromoform	ND		0.10	ug/L			06/25/25 14:22	1
Bromomethane	ND		0.30	ug/L			06/25/25 14:22	1
Carbon disulfide	ND		1.0	ug/L			06/25/25 14:22	1
Carbon tetrachloride	ND		0.10	ug/L			06/25/25 14:22	1
Chlorobenzene	ND		0.10	ug/L			06/25/25 14:22	1
Chloroethane	ND		0.20	ug/L			06/25/25 14:22	1
Chloroform	ND		0.10	ug/L			06/25/25 14:22	1
Chloromethane	ND		0.30	ug/L			06/25/25 14:22	1
cis-1,2-Dichloroethene	ND		0.10	ug/L			06/25/25 14:22	1
cis-1,3-Dichloropropene	ND		0.10	ug/L			06/25/25 14:22	1
Dibromomethane	ND		0.10	ug/L			06/25/25 14:22	1
Dichlorodifluoromethane	ND		0.10	ug/L			06/25/25 14:22	1
Ethylbenzene	ND		0.10	ug/L			06/25/25 14:22	1
Hexachlorobutadiene	ND		0.10	ug/L			06/25/25 14:22	1

Eurofins Albuquerque

Client Sample Results

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-27098-1

Client Sample ID: SVE

Lab Sample ID: 885-27098-1

Date Collected: 06/18/25 13:00

Matrix: Air

Date Received: 06/19/25 06:45

Sample Container: Tedlar Bag 1L

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.10	ug/L			06/25/25 14:22	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10	ug/L			06/25/25 14:22	1
Methylene Chloride	ND		0.30	ug/L			06/25/25 14:22	1
n-Butylbenzene	ND		0.30	ug/L			06/25/25 14:22	1
N-Propylbenzene	ND		0.10	ug/L			06/25/25 14:22	1
Naphthalene	ND		0.20	ug/L			06/25/25 14:22	1
sec-Butylbenzene	ND		0.10	ug/L			06/25/25 14:22	1
Styrene	ND		0.10	ug/L			06/25/25 14:22	1
tert-Butylbenzene	ND		0.10	ug/L			06/25/25 14:22	1
Tetrachloroethene (PCE)	ND		0.10	ug/L			06/25/25 14:22	1
Toluene	ND		0.10	ug/L			06/25/25 14:22	1
trans-1,2-Dichloroethene	ND		0.10	ug/L			06/25/25 14:22	1
trans-1,3-Dichloropropene	ND		0.10	ug/L			06/25/25 14:22	1
Trichloroethene (TCE)	ND		0.10	ug/L			06/25/25 14:22	1
Trichlorofluoromethane	ND		0.10	ug/L			06/25/25 14:22	1
Vinyl chloride	ND		0.10	ug/L			06/25/25 14:22	1
Xylenes, Total	0.34		0.15	ug/L			06/25/25 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	75		70 - 130		06/25/25 14:22	1
Toluene-d8 (Surr)	99		70 - 130		06/25/25 14:22	1
4-Bromofluorobenzene (Surr)	108		70 - 130		06/25/25 14:22	1
Dibromofluoromethane (Surr)	86		70 - 130		06/25/25 14:22	1

QC Sample Results

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-27098-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-28974/5

Matrix: Air

Analysis Batch: 28974

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L			06/25/25 13:27	1
1,1,1-Trichloroethane	ND		1.0	ug/L			06/25/25 13:27	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/L			06/25/25 13:27	1
1,1,2-Trichloroethane	ND		1.0	ug/L			06/25/25 13:27	1
1,1-Dichloroethane	ND		1.0	ug/L			06/25/25 13:27	1
1,1-Dichloroethene	ND		1.0	ug/L			06/25/25 13:27	1
1,1-Dichloropropene	ND		1.0	ug/L			06/25/25 13:27	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			06/25/25 13:27	1
1,2,3-Trichloropropane	ND		2.0	ug/L			06/25/25 13:27	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			06/25/25 13:27	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			06/25/25 13:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L			06/25/25 13:27	1
1,2-Dibromoethane (EDB)	ND		1.0	ug/L			06/25/25 13:27	1
1,2-Dichlorobenzene	ND		1.0	ug/L			06/25/25 13:27	1
1,2-Dichloroethane (EDC)	ND		1.0	ug/L			06/25/25 13:27	1
1,2-Dichloropropane	ND		1.0	ug/L			06/25/25 13:27	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			06/25/25 13:27	1
1,3-Dichlorobenzene	ND		1.0	ug/L			06/25/25 13:27	1
1,3-Dichloropropane	ND		1.0	ug/L			06/25/25 13:27	1
1,4-Dichlorobenzene	ND		1.0	ug/L			06/25/25 13:27	1
1-Methylnaphthalene	ND		4.0	ug/L			06/25/25 13:27	1
2,2-Dichloropropane	ND		2.0	ug/L			06/25/25 13:27	1
2-Butanone	ND		10	ug/L			06/25/25 13:27	1
2-Chlorotoluene	ND		1.0	ug/L			06/25/25 13:27	1
2-Hexanone	ND		10	ug/L			06/25/25 13:27	1
2-Methylnaphthalene	ND		4.0	ug/L			06/25/25 13:27	1
4-Chlorotoluene	ND		1.0	ug/L			06/25/25 13:27	1
4-Isopropyltoluene	ND		1.0	ug/L			06/25/25 13:27	1
4-Methyl-2-pentanone	ND		10	ug/L			06/25/25 13:27	1
Acetone	ND		10	ug/L			06/25/25 13:27	1
Benzene	ND		1.0	ug/L			06/25/25 13:27	1
Bromobenzene	ND		1.0	ug/L			06/25/25 13:27	1
Bromodichloromethane	ND		1.0	ug/L			06/25/25 13:27	1
Dibromochloromethane	ND		1.0	ug/L			06/25/25 13:27	1
Bromoform	ND		1.0	ug/L			06/25/25 13:27	1
Bromomethane	ND		3.0	ug/L			06/25/25 13:27	1
Carbon disulfide	ND		10	ug/L			06/25/25 13:27	1
Carbon tetrachloride	ND		1.0	ug/L			06/25/25 13:27	1
Chlorobenzene	ND		1.0	ug/L			06/25/25 13:27	1
Chloroethane	ND		2.0	ug/L			06/25/25 13:27	1
Chloroform	ND		1.0	ug/L			06/25/25 13:27	1
Chloromethane	ND		3.0	ug/L			06/25/25 13:27	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			06/25/25 13:27	1
cis-1,3-Dichloropropene	ND		1.0	ug/L			06/25/25 13:27	1
Dibromomethane	ND		1.0	ug/L			06/25/25 13:27	1
Dichlorodifluoromethane	ND		1.0	ug/L			06/25/25 13:27	1
Ethylbenzene	ND		1.0	ug/L			06/25/25 13:27	1
Hexachlorobutadiene	ND		1.0	ug/L			06/25/25 13:27	1

Eurofins Albuquerque

QC Sample Results

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-27098-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-28974/5

Client Sample ID: Method Blank

Matrix: Air

Prep Type: Total/NA

Analysis Batch: 28974

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Isopropylbenzene	ND		1.0	ug/L			06/25/25 13:27	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L			06/25/25 13:27	1
Methylene Chloride	ND		3.0	ug/L			06/25/25 13:27	1
n-Butylbenzene	ND		3.0	ug/L			06/25/25 13:27	1
N-Propylbenzene	ND		1.0	ug/L			06/25/25 13:27	1
Naphthalene	ND		2.0	ug/L			06/25/25 13:27	1
sec-Butylbenzene	ND		1.0	ug/L			06/25/25 13:27	1
Styrene	ND		1.0	ug/L			06/25/25 13:27	1
tert-Butylbenzene	ND		1.0	ug/L			06/25/25 13:27	1
Tetrachloroethene (PCE)	ND		1.0	ug/L			06/25/25 13:27	1
Toluene	ND		1.0	ug/L			06/25/25 13:27	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			06/25/25 13:27	1
trans-1,3-Dichloropropene	ND		1.0	ug/L			06/25/25 13:27	1
Trichloroethene (TCE)	ND		1.0	ug/L			06/25/25 13:27	1
Trichlorofluoromethane	ND		1.0	ug/L			06/25/25 13:27	1
Vinyl chloride	ND		1.0	ug/L			06/25/25 13:27	1
Xylenes, Total	ND		1.5	ug/L			06/25/25 13:27	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		06/25/25 13:27	1
Toluene-d8 (Surr)	98		70 - 130		06/25/25 13:27	1
4-Bromofluorobenzene (Surr)	98		70 - 130		06/25/25 13:27	1
Dibromofluoromethane (Surr)	97		70 - 130		06/25/25 13:27	1

Lab Sample ID: LCS 885-28974/4

Client Sample ID: Lab Control Sample

Matrix: Air

Prep Type: Total/NA

Analysis Batch: 28974

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	24.1		ug/L		121	70 - 130
Chlorobenzene	20.0	21.1		ug/L		105	70 - 130
Toluene	20.0	20.9		ug/L		104	70 - 130
Trichloroethene (TCE)	20.0	18.5		ug/L		92	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
Toluene-d8 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130

Eurofins Albuquerque

QC Association Summary

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Job ID: 885-27098-1

GC/MS VOA

Analysis Batch: 28974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27098-1	SVE	Total/NA	Air	8260B	
MB 885-28974/5	Method Blank	Total/NA	Air	8260B	
LCS 885-28974/4	Lab Control Sample	Total/NA	Air	8260B	

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Lab Chronicle

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Job ID: 885-27098-1

Client Sample ID: SVE

Lab Sample ID: 885-27098-1

Date Collected: 06/18/25 13:00

Matrix: Air

Date Received: 06/19/25 06:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	28974	JP	EET ALB	06/25/25 14:22

Laboratory References:

= , 1120 South 27th Street, Billings, MT 59101, TEL (406)252-6325

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-27098-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-27098-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

Oregon	NELAP	NM100001	02-26-26
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-27098-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

Eurofins Albuquerque



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ANALYTICAL SUMMARY REPORT

July 08, 2025

Eurofins TestAmerica - Albuquerque
4901 Hawkins St NE Ste D
Albuquerque, NM 87109-4372

Work Order: B25070050 Quote ID: B15626

Project Name: Jaquez GC B #003E, 88501577

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 7/1/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25070050-001	SVE (885-27098-1)	06/18/25 13:00	07/01/25	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Eurofins TestAmerica - Albuquerque
Project: Jaquez GC B #003E, 88501577
Lab ID: B25070050-001
Client Sample ID: SVE (885-27098-1)

Report Date: 07/08/25
Collection Date: 06/18/25 13:00
Date Received: 07/01/25
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	21.61	Mol %		0.01		GPA 2261-13	07/07/25 11:07 / jrj
Nitrogen	78.15	Mol %		0.01		GPA 2261-13	07/07/25 11:07 / jrj
Carbon Dioxide	0.23	Mol %		0.01		GPA 2261-13	07/07/25 11:07 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	07/07/25 11:07 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-13	07/07/25 11:07 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-13	07/07/25 11:07 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	07/07/25 11:07 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-13	07/07/25 11:07 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-13	07/07/25 11:07 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-13	07/07/25 11:07 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-13	07/07/25 11:07 / jrj
Hexanes plus	0.01	Mol %		0.01		GPA 2261-13	07/07/25 11:07 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	07/07/25 11:07 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	07/07/25 11:07 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	07/07/25 11:07 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-13	07/07/25 11:07 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	07/07/25 11:07 / jrj
Hexanes plus	0.004	gpm		0.001		GPA 2261-13	07/07/25 11:07 / jrj
GPM Total	0.004	gpm		0.001		GPA 2261-13	07/07/25 11:07 / jrj
GPM Pentanes plus	0.004	gpm		0.001		GPA 2261-13	07/07/25 11:07 / jrj

CALCULATED PROPERTIES

Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-13	07/07/25 11:07 / jrj
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-13	07/07/25 11:07 / jrj
Pseudo-critical Pressure, psia	545			1		GPA 2261-13	07/07/25 11:07 / jrj
Pseudo-critical Temperature, deg R	239			1		GPA 2261-13	07/07/25 11:07 / jrj
Specific Gravity @ 60/60F	0.999			0.001		D3588-81	07/07/25 11:07 / jrj
Air, %	98.73			0.01		GPA 2261-13	07/07/25 11:07 / jrj

- The analysis was not corrected for air.

COMMENTS

-
- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.
- GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.
- To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.
- Standard conditions: 60 F & 14.73 psi on a dry basis.

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25070050

Report Date: 07/08/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261-13								Batch: R445403		
Lab ID: B25070054-001ADUP	12 Sample Duplicate				Run: GC7890_250707A			07/07/25 13:43		
Oxygen		21.3	Mol %	0.01				0.7	20	
Nitrogen		78.4	Mol %	0.01				0.2	20	
Carbon Dioxide		0.30	Mol %	0.01				0.0	20	
Hydrogen Sulfide		<0.01	Mol %	0.01					20	
Methane		<0.01	Mol %	0.01					20	
Ethane		<0.01	Mol %	0.01					20	
Propane		<0.01	Mol %	0.01					20	
Isobutane		<0.01	Mol %	0.01					20	
n-Butane		<0.01	Mol %	0.01					20	
Isopentane		<0.01	Mol %	0.01					20	
n-Pentane		<0.01	Mol %	0.01					20	
Hexanes plus		<0.01	Mol %	0.01					20	
Lab ID: LCS070725	11 Laboratory Control Sample				Run: GC7890_250707A			07/07/25 14:32		
Oxygen		0.63	Mol %	0.01	128	70	130			
Nitrogen		6.18	Mol %	0.01	105	70	130			
Carbon Dioxide		0.99	Mol %	0.01	99	70	130			
Methane		76.5	Mol %	0.01	100	70	130			
Ethane		6.00	Mol %	0.01	99	70	130			
Propane		5.00	Mol %	0.01	100	70	130			
Isobutane		1.55	Mol %	0.01	78	70	130			
n-Butane		1.95	Mol %	0.01	98	70	130			
Isopentane		0.49	Mol %	0.01	98	70	130			
n-Pentane		0.50	Mol %	0.01	100	70	130			
Hexanes plus		0.19	Mol %	0.01	92	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



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Work Order Receipt Checklist

Euofins TestAmerica - Albuquerque

B25070050

Login completed by: Danielle N. Harris

Date Received: 7/1/2025

Reviewed by: darcy

Received by: ET

Reviewed Date: 7/2/2025

Carrier name: FedEx NDA

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	23.1°C No Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

The chain of custody requests a due date of 06/26/25 but received the samples on 07/01/25. Proceed with a due date of 07/08/25 per email with Cheyenne Cason on 07/01/25. DNH 07/01/25








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Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
Billings, MT  	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
Washington	C1039	
Casper, WY 	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	Nevada	NV-C24-00245
	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
Washington	C1012	
Gillette, WY	US EPA Region VIII	WY00006
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record



Environment Testing



Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Cason, Cheyenne		Carrier Tracking No(s): N/A		COC No: 885-6647-1	
Company: Energy Laboratories, Inc.		Phone: N/A		E-Mail: cheyenne.cason@et.eurofins.com		State of Origin: New Mexico		Page: Page 1 of 1	
Address: 1120 South 27th Street,		Due Date Requested: 6/26/2025		Accreditations Required (See note): NELAP - Oregon; State - New Mexico		Job #: 885-27098-1		Preservation Codes:	
City: N/A		TAT Requested (days): N/A		Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>		Special Instructions/Note:	
Billings		Sample Date: 6/18/25		Sample Type (C=Comp, G=grab) G		Matrix (Water, Soil, Organics, etc.)		Total Number of Containers: 1	
State, Zip: MT, 59101		Sample Time: 13:00 Mountain		Preservation Code: Air		SUB - GPA-226195 - Natural Gases O2, CO2		See Attached Instructions	
Phone: 406-252-6325(Tel)		Sample Date: 6/18/25		Sample Time: 13:00 Mountain		SUB - GPA-226195 - Natural Gases O2, CO2		88527098	
Email: N/A		Sample Date: 6/18/25		Sample Time: 13:00 Mountain		SUB - GPA-226195 - Natural Gases O2, CO2			
Project Name: Jaquez GC B #003E		Sample Date: 6/18/25		Sample Time: 13:00 Mountain		SUB - GPA-226195 - Natural Gases O2, CO2			
Site: N/A		Sample Date: 6/18/25		Sample Time: 13:00 Mountain		SUB - GPA-226195 - Natural Gases O2, CO2			
SSOW#: N/A		Sample Date: 6/18/25		Sample Time: 13:00 Mountain		SUB - GPA-226195 - Natural Gases O2, CO2			
Other: N/A		Sample Date: 6/18/25		Sample Time: 13:00 Mountain		SUB - GPA-226195 - Natural Gases O2, CO2			

Sample Identification - Client ID (Lab ID)
SVE (885-27098-1)

Possible Hazard Identification
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Empty Kit Relinquished by: Date: Time: Method of Shipment: Company

Relinquished by: Date/Time: Received by: Date/Time: Company

Relinquished by: Date/Time: Received by: Date/Time: Company

Relinquished by: Date/Time: Received by: Date/Time: Company

Custody Seal No.: Yes No

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Received by: Ely Thompson
Cooler Temperature(s) °C and Other Remarks: 7/1/25 12:35

Ver: 10/10/2024



ICOC No:
885-5547

Containers

<u>Count</u>	<u>Container Type</u>	<u>Preservative</u>
1	Tedlar Bag 1L	None

Subcontract Method Instructions

Sample IDs	Method	Method Description	Method Comments
1	SUBCONTRACT	SUB - GPA-226195 - Natural Gases O2, CO2	Fixed Gases - Natural Gases O2, CO2

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Login Sample Receipt Checklist

Client: Cottonwood Consulting LLC

Job Number: 885-27098-1

Login Number: 27098

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	Refer to Job Narrative for details.
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

- 1
- 2
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- 12



Environment Testing

- 1
- 2
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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kyle Siesser
Cottonwood Consulting LLC
PO BOX 1653
Durango, Colorado 81302
Generated 9/26/2025 5:27:53 PM

JOB DESCRIPTION

Jaquez GC B #003E

JOB NUMBER

885-33618-1



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
9/26/2025 5:27:53 PM

Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)338-8812

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Laboratory Job ID: 885-33618-1



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	8
QC Association Summary	10
Lab Chronicle	11
Certification Summary	12
Subcontract Data	15
Chain of Custody	22
Receipt Checklists	23

Definitions/Glossary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-33618-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Cottonwood Consulting LLC
Project: Jaquez GC B #003E

Job ID: 885-33618-1

Job ID: 885-33618-1

Eurofins Albuquerque

Job Narrative 885-33618-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 9/18/2025 7:15 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Subcontract Work

Method Natural Gases O2, CO2: This method was subcontracted to Energy Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

GC/MS VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Job ID: 885-33618-1

Client Sample ID: SVE

Lab Sample ID: 885-33618-1

Date Collected: 09/17/25 13:15

Matrix: Air

Date Received: 09/18/25 07:15

Sample Container: Tedlar Bag 1L

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10	ug/L			09/25/25 19:48	1
1,1,1-Trichloroethane	ND		0.10	ug/L			09/25/25 19:48	1
1,1,2,2-Tetrachloroethane	ND		0.20	ug/L			09/25/25 19:48	1
1,1,2-Trichloroethane	ND		0.10	ug/L			09/25/25 19:48	1
1,1-Dichloroethane	ND		0.10	ug/L			09/25/25 19:48	1
1,1-Dichloroethene	ND		0.10	ug/L			09/25/25 19:48	1
1,1-Dichloropropene	ND		0.10	ug/L			09/25/25 19:48	1
1,2,3-Trichlorobenzene	ND		0.10	ug/L			09/25/25 19:48	1
1,2,3-Trichloropropane	ND		0.20	ug/L			09/25/25 19:48	1
1,2,4-Trichlorobenzene	ND		0.10	ug/L			09/25/25 19:48	1
1,2,4-Trimethylbenzene	ND		0.10	ug/L			09/25/25 19:48	1
1,2-Dibromo-3-Chloropropane	ND		0.20	ug/L			09/25/25 19:48	1
1,2-Dibromoethane (EDB)	ND		0.10	ug/L			09/25/25 19:48	1
1,2-Dichlorobenzene	ND		0.10	ug/L			09/25/25 19:48	1
1,2-Dichloroethane (EDC)	ND		0.10	ug/L			09/25/25 19:48	1
1,2-Dichloropropane	ND		0.10	ug/L			09/25/25 19:48	1
1,3,5-Trimethylbenzene	ND		0.10	ug/L			09/25/25 19:48	1
1,3-Dichlorobenzene	ND		0.10	ug/L			09/25/25 19:48	1
1,3-Dichloropropane	ND		0.10	ug/L			09/25/25 19:48	1
1,4-Dichlorobenzene	ND		0.10	ug/L			09/25/25 19:48	1
1-Methylnaphthalene	ND		0.40	ug/L			09/25/25 19:48	1
2,2-Dichloropropane	ND		0.20	ug/L			09/25/25 19:48	1
2-Butanone	ND		1.0	ug/L			09/25/25 19:48	1
2-Chlorotoluene	ND		0.10	ug/L			09/25/25 19:48	1
2-Hexanone	ND		1.0	ug/L			09/25/25 19:48	1
2-Methylnaphthalene	ND		0.40	ug/L			09/25/25 19:48	1
4-Chlorotoluene	ND		0.10	ug/L			09/25/25 19:48	1
4-Isopropyltoluene	ND		0.10	ug/L			09/25/25 19:48	1
4-Methyl-2-pentanone	ND		1.0	ug/L			09/25/25 19:48	1
Acetone	ND		1.0	ug/L			09/25/25 19:48	1
Benzene	ND		0.10	ug/L			09/25/25 19:48	1
Bromobenzene	ND		0.10	ug/L			09/25/25 19:48	1
Bromodichloromethane	ND		0.10	ug/L			09/25/25 19:48	1
Dibromochloromethane	ND		0.10	ug/L			09/25/25 19:48	1
Bromoform	ND		0.10	ug/L			09/25/25 19:48	1
Bromomethane	ND		0.30	ug/L			09/25/25 19:48	1
Carbon disulfide	ND		1.0	ug/L			09/25/25 19:48	1
Carbon tetrachloride	ND		0.10	ug/L			09/25/25 19:48	1
Chlorobenzene	ND		0.10	ug/L			09/25/25 19:48	1
Chloroethane	ND		0.20	ug/L			09/25/25 19:48	1
Chloroform	ND		0.10	ug/L			09/25/25 19:48	1
Chloromethane	ND		0.30	ug/L			09/25/25 19:48	1
cis-1,2-Dichloroethene	ND		0.10	ug/L			09/25/25 19:48	1
cis-1,3-Dichloropropene	ND		0.10	ug/L			09/25/25 19:48	1
Dibromomethane	ND		0.10	ug/L			09/25/25 19:48	1
Dichlorodifluoromethane	ND		0.10	ug/L			09/25/25 19:48	1
Ethylbenzene	ND		0.10	ug/L			09/25/25 19:48	1
Hexachlorobutadiene	ND		0.10	ug/L			09/25/25 19:48	1

Eurofins Albuquerque

Client Sample Results

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-33618-1

Client Sample ID: SVE

Lab Sample ID: 885-33618-1

Date Collected: 09/17/25 13:15

Matrix: Air

Date Received: 09/18/25 07:15

Sample Container: Tedlar Bag 1L

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.10	ug/L			09/25/25 19:48	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10	ug/L			09/25/25 19:48	1
Methylene Chloride	ND		0.30	ug/L			09/25/25 19:48	1
n-Butylbenzene	ND		0.30	ug/L			09/25/25 19:48	1
N-Propylbenzene	ND		0.10	ug/L			09/25/25 19:48	1
Naphthalene	ND		0.20	ug/L			09/25/25 19:48	1
sec-Butylbenzene	ND		0.10	ug/L			09/25/25 19:48	1
Styrene	ND		0.10	ug/L			09/25/25 19:48	1
tert-Butylbenzene	ND		0.10	ug/L			09/25/25 19:48	1
Tetrachloroethene (PCE)	ND		0.10	ug/L			09/25/25 19:48	1
Toluene	ND		0.10	ug/L			09/25/25 19:48	1
trans-1,2-Dichloroethene	ND		0.10	ug/L			09/25/25 19:48	1
trans-1,3-Dichloropropene	ND		0.10	ug/L			09/25/25 19:48	1
Trichloroethene (TCE)	ND		0.10	ug/L			09/25/25 19:48	1
Trichlorofluoromethane	ND		0.10	ug/L			09/25/25 19:48	1
Vinyl chloride	ND		0.10	ug/L			09/25/25 19:48	1
Xylenes, Total	ND		0.15	ug/L			09/25/25 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		09/25/25 19:48	1
Toluene-d8 (Surr)	108		70 - 130		09/25/25 19:48	1
4-Bromofluorobenzene (Surr)	103		70 - 130		09/25/25 19:48	1
Dibromofluoromethane (Surr)	96		70 - 130		09/25/25 19:48	1

QC Sample Results

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Job ID: 885-33618-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-35449/5

Matrix: Air

Analysis Batch: 35449

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10	ug/L			09/25/25 17:00	1
1,1,1-Trichloroethane	ND		0.10	ug/L			09/25/25 17:00	1
1,1,2,2-Tetrachloroethane	ND		0.20	ug/L			09/25/25 17:00	1
1,1,2-Trichloroethane	ND		0.10	ug/L			09/25/25 17:00	1
1,1-Dichloroethane	ND		0.10	ug/L			09/25/25 17:00	1
1,1-Dichloroethene	ND		0.10	ug/L			09/25/25 17:00	1
1,1-Dichloropropene	ND		0.10	ug/L			09/25/25 17:00	1
1,2,3-Trichlorobenzene	ND		0.10	ug/L			09/25/25 17:00	1
1,2,3-Trichloropropane	ND		0.20	ug/L			09/25/25 17:00	1
1,2,4-Trichlorobenzene	ND		0.10	ug/L			09/25/25 17:00	1
1,2,4-Trimethylbenzene	ND		0.10	ug/L			09/25/25 17:00	1
1,2-Dibromo-3-Chloropropane	ND		0.20	ug/L			09/25/25 17:00	1
1,2-Dibromoethane (EDB)	ND		0.10	ug/L			09/25/25 17:00	1
1,2-Dichlorobenzene	ND		0.10	ug/L			09/25/25 17:00	1
1,2-Dichloroethane (EDC)	ND		0.10	ug/L			09/25/25 17:00	1
1,2-Dichloropropane	ND		0.10	ug/L			09/25/25 17:00	1
1,3,5-Trimethylbenzene	ND		0.10	ug/L			09/25/25 17:00	1
1,3-Dichlorobenzene	ND		0.10	ug/L			09/25/25 17:00	1
1,3-Dichloropropane	ND		0.10	ug/L			09/25/25 17:00	1
1,4-Dichlorobenzene	ND		0.10	ug/L			09/25/25 17:00	1
1-Methylnaphthalene	ND		0.40	ug/L			09/25/25 17:00	1
2,2-Dichloropropane	ND		0.20	ug/L			09/25/25 17:00	1
2-Butanone	ND		1.0	ug/L			09/25/25 17:00	1
2-Chlorotoluene	ND		0.10	ug/L			09/25/25 17:00	1
2-Hexanone	ND		1.0	ug/L			09/25/25 17:00	1
2-Methylnaphthalene	ND		0.40	ug/L			09/25/25 17:00	1
4-Chlorotoluene	ND		0.10	ug/L			09/25/25 17:00	1
4-Isopropyltoluene	ND		0.10	ug/L			09/25/25 17:00	1
4-Methyl-2-pentanone	ND		1.0	ug/L			09/25/25 17:00	1
Acetone	ND		1.0	ug/L			09/25/25 17:00	1
Benzene	ND		0.10	ug/L			09/25/25 17:00	1
Bromobenzene	ND		0.10	ug/L			09/25/25 17:00	1
Bromodichloromethane	ND		0.10	ug/L			09/25/25 17:00	1
Dibromochloromethane	ND		0.10	ug/L			09/25/25 17:00	1
Bromoform	ND		0.10	ug/L			09/25/25 17:00	1
Bromomethane	ND		0.30	ug/L			09/25/25 17:00	1
Carbon disulfide	ND		1.0	ug/L			09/25/25 17:00	1
Carbon tetrachloride	ND		0.10	ug/L			09/25/25 17:00	1
Chlorobenzene	ND		0.10	ug/L			09/25/25 17:00	1
Chloroethane	ND		0.20	ug/L			09/25/25 17:00	1
Chloroform	ND		0.10	ug/L			09/25/25 17:00	1
Chloromethane	ND		0.30	ug/L			09/25/25 17:00	1
cis-1,2-Dichloroethene	ND		0.10	ug/L			09/25/25 17:00	1
cis-1,3-Dichloropropene	ND		0.10	ug/L			09/25/25 17:00	1
Dibromomethane	ND		0.10	ug/L			09/25/25 17:00	1
Dichlorodifluoromethane	ND		0.10	ug/L			09/25/25 17:00	1
Ethylbenzene	ND		0.10	ug/L			09/25/25 17:00	1
Hexachlorobutadiene	ND		0.10	ug/L			09/25/25 17:00	1

Eurofins Albuquerque

QC Sample Results

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-33618-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-35449/5
 Matrix: Air
 Analysis Batch: 35449

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Isopropylbenzene	ND		0.10	ug/L			09/25/25 17:00	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10	ug/L			09/25/25 17:00	1
Methylene Chloride	ND		0.30	ug/L			09/25/25 17:00	1
n-Butylbenzene	ND		0.30	ug/L			09/25/25 17:00	1
N-Propylbenzene	ND		0.10	ug/L			09/25/25 17:00	1
Naphthalene	ND		0.20	ug/L			09/25/25 17:00	1
sec-Butylbenzene	ND		0.10	ug/L			09/25/25 17:00	1
Styrene	ND		0.10	ug/L			09/25/25 17:00	1
tert-Butylbenzene	ND		0.10	ug/L			09/25/25 17:00	1
Tetrachloroethene (PCE)	ND		0.10	ug/L			09/25/25 17:00	1
Toluene	ND		0.10	ug/L			09/25/25 17:00	1
trans-1,2-Dichloroethene	ND		0.10	ug/L			09/25/25 17:00	1
trans-1,3-Dichloropropene	ND		0.10	ug/L			09/25/25 17:00	1
Trichloroethene (TCE)	ND		0.10	ug/L			09/25/25 17:00	1
Trichlorofluoromethane	ND		0.10	ug/L			09/25/25 17:00	1
Vinyl chloride	ND		0.10	ug/L			09/25/25 17:00	1
Xylenes, Total	ND		0.15	ug/L			09/25/25 17:00	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		09/25/25 17:00	1
Toluene-d8 (Surr)	106		70 - 130		09/25/25 17:00	1
4-Bromofluorobenzene (Surr)	104		70 - 130		09/25/25 17:00	1
Dibromofluoromethane (Surr)	102		70 - 130		09/25/25 17:00	1

Lab Sample ID: LCS 885-35449/4
 Matrix: Air
 Analysis Batch: 35449

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	21.1		ug/L		105	70 - 130
Chlorobenzene	20.0	21.8		ug/L		109	70 - 130
Toluene	20.0	21.8		ug/L		109	70 - 130
Trichloroethene (TCE)	20.0	19.5		ug/L		98	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
Toluene-d8 (Surr)	105		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130

Eurofins Albuquerque

QC Association Summary

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Job ID: 885-33618-1

GC/MS VOA

Analysis Batch: 35449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33618-1	SVE	Total/NA	Air	8260B	
MB 885-35449/5	Method Blank	Total/NA	Air	8260B	
LCS 885-35449/4	Lab Control Sample	Total/NA	Air	8260B	

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- 9
- 10
- 11
- 12

Lab Chronicle

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Job ID: 885-33618-1

Client Sample ID: SVE

Lab Sample ID: 885-33618-1

Date Collected: 09/17/25 13:15

Matrix: Air

Date Received: 09/18/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	35449	JP	EET ALB	09/25/25 19:48

Laboratory References:

= , 1120 South 27th Street, Billings, MT 59101, TEL (406)252-6325

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-33618-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-33618-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

Oregon	NELAP	NM100001	02-26-26
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-33618-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

Eurofins Albuquerque



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ANALYTICAL SUMMARY REPORT

September 25, 2025

Eurofins TestAmerica - Albuquerque
4901 Hawkins St NE Ste D
Albuquerque, NM 87109-4372

Work Order: B25092187 Quote ID: B15626

Project Name: Jaquez GC B #003E, 88501577

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 9/23/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25092187-001	SVE (885-33618-1)	09/17/25 13:15	09/23/25	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.





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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Eurofins TestAmerica - Albuquerque
Project: Jaquez GC B #003E, 88501577
Lab ID: B25092187-001
Client Sample ID: SVE (885-33618-1)

Report Date: 09/25/25
Collection Date: 09/17/25 13:15
DateReceived: 09/23/25
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	21.60	Mol %		0.01		GPA 2261-13	09/24/25 12:33 / jrj
Nitrogen	78.35	Mol %		0.01		GPA 2261-13	09/24/25 12:33 / jrj
Carbon Dioxide	0.04	Mol %		0.01		GPA 2261-13	09/24/25 12:33 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	09/24/25 12:33 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-13	09/24/25 12:33 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-13	09/24/25 12:33 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	09/24/25 12:33 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-13	09/24/25 12:33 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-13	09/24/25 12:33 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-13	09/24/25 12:33 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-13	09/24/25 12:33 / jrj
Hexanes plus	0.01	Mol %		0.01		GPA 2261-13	09/24/25 12:33 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	09/24/25 12:33 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	09/24/25 12:33 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	09/24/25 12:33 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-13	09/24/25 12:33 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	09/24/25 12:33 / jrj
Hexanes plus	0.004	gpm		0.001		GPA 2261-13	09/24/25 12:33 / jrj
GPM Total	0.004	gpm		0.001		GPA 2261-13	09/24/25 12:33 / jrj
GPM Pentanes plus	0.004	gpm		0.001		GPA 2261-13	09/24/25 12:33 / jrj

CALCULATED PROPERTIES

Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-13	09/24/25 12:33 / jrj
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-13	09/24/25 12:33 / jrj
Pseudo-critical Pressure, psia	544			1		GPA 2261-13	09/24/25 12:33 / jrj
Pseudo-critical Temperature, deg R	239			1		GPA 2261-13	09/24/25 12:33 / jrj
Specific Gravity @ 60/60F	0.998			0.001		D3588-17	09/24/25 12:33 / jrj
Air, %	98.70			0.01		GPA 2261-13	09/24/25 12:33 / jrj
- The analysis was not corrected for air.							

COMMENTS

-
- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.
- GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.
- To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.
- Standard conditions: 60 F & 14.73 psi on a dry basis.

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25092187

Report Date: 09/25/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261-13								Batch: R450844		
Lab ID: B25092187-001ADUP	12 Sample Duplicate				Run: GC7890_250924A			09/24/25 13:21		
Oxygen		21.1	Mol %	0.01				2.2	20	
Nitrogen		78.8	Mol %	0.01				0.6	20	
Carbon Dioxide		0.04	Mol %	0.01				0.0	20	
Hydrogen Sulfide		<0.01	Mol %	0.01					20	
Methane		<0.01	Mol %	0.01					20	
Ethane		<0.01	Mol %	0.01					20	
Propane		<0.01	Mol %	0.01					20	
Isobutane		<0.01	Mol %	0.01					20	
n-Butane		<0.01	Mol %	0.01					20	
Isopentane		<0.01	Mol %	0.01					20	
n-Pentane		<0.01	Mol %	0.01					20	
Hexanes plus		0.01	Mol %	0.01				0.0	20	
Lab ID: LCS092425								09/24/25 14:12		
11 Laboratory Control Sample				Run: GC7890_250924A						
Oxygen		0.63	Mol %	0.01	128	70	130			
Nitrogen		5.84	Mol %	0.01	99	70	130			
Carbon Dioxide		0.98	Mol %	0.01	98	70	130			
Methane		76.7	Mol %	0.01	100	70	130			
Ethane		6.02	Mol %	0.01	99	70	130			
Propane		5.04	Mol %	0.01	101	70	130			
Isobutane		1.58	Mol %	0.01	79	70	130			
n-Butane		2.00	Mol %	0.01	100	70	130			
Isopentane		0.49	Mol %	0.01	98	70	130			
n-Pentane		0.50	Mol %	0.01	100	70	130			
Hexanes plus		0.20	Mol %	0.01	97	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



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Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

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Work Order Receipt Checklist

Euofins TestAmerica - Albuquerque

B25092187

Login completed by: Danielle N. Harris

Date Received: 9/23/2025

Reviewed by: gmccartney

Received by: DNH

Reviewed Date: 9/24/2025

Carrier name: FedEx NDA

- | | | | |
|--|---|--|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on all shipping container(s)/cooler(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on all sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time?
(Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temp Blank received in all shipping container(s)/cooler(s)? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Not Applicable <input type="checkbox"/> |
| Container/Temp Blank temperature: | 17.6°C No Ice | | |
| Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4"). | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None




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Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
Billings, MT  	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
Washington	C1039	
Casper, WY 	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	Nevada	NV-C24-00245
	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
Washington	C1012	
Gillette, WY	US EPA Region VIII	WY00006
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:																				
Energy Laboratories, Inc.		N/A	Cason, Cheyenne	N/A	885-6646.1																				
Address:		Phone:	E-Mail:	State of Origin:	Page:																				
1120 South 27th Street,		N/A	cheyenne.cason@eurofins.com	New Mexico	Page 1 of 1																				
City:		Due Date Requested:	Accreditations Required (See note):																						
Billings		9/25/2025	NELAP - Oregon; State - New Mexico																						
State, Zip:		TAT Requested (days):	Analysis Requested																						
MT, 59101		N/A	<table border="1"> <tr><td>Field Filtered Sample (Yes or No)</td><td>Perform MS/MSD (Yes or No)</td><td>SUB - GPA-226195 - Natural Gases O2, CO2</td><td>Total Number of Containers</td></tr> <tr><td>PO #: N/A</td><td></td><td></td><td></td></tr> <tr><td>W/O #: N/A</td><td></td><td></td><td></td></tr> <tr><td>Project #: 88501577</td><td></td><td></td><td></td></tr> <tr><td>SSOW#: N/A</td><td></td><td></td><td></td></tr> </table>			Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB - GPA-226195 - Natural Gases O2, CO2	Total Number of Containers	PO #: N/A				W/O #: N/A				Project #: 88501577				SSOW#: N/A			
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB - GPA-226195 - Natural Gases O2, CO2	Total Number of Containers																						
PO #: N/A																									
W/O #: N/A																									
Project #: 88501577																									
SSOW#: N/A																									
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, G=soil, O=organics, A=air)																				
SVE (885-33618-1)		9/17/25	13:15 Mountain	G	Air																				
Special Instructions/Note:		See Attached Instructions																							
		B28092187																							

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification
 Return To Client Disposal By Lab Archive For _____ Months
 Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
 Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: *Joe Motta* Date/Time: 9/22/25 1245 Company
 Relinquished by: _____ Date/Time: _____ Company
 Relinquished by: _____ Date/Time: _____ Company
 Custody Seals Intact: Yes No Custody Seal No.: _____
 Cooler Temperature(s) °C and Other Remarks: *See instructions attached*

Ver: 10/10/2024



ICOC No:
885-6646

Containers

<u>Count</u>	<u>Container Type</u>	<u>Preservative</u>
1	Tedlar Bag 1L	None

Subcontract Method Instructions

Sample IDs	Method	Method Description	Method Comments
1	SUBCONTRACT	SUB - GPA-226195 - Natural Gases O2, CO2	Fixed Gases - Natural Gases O2, CO2

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Login Sample Receipt Checklist

Client: Cottonwood Consulting LLC

Job Number: 885-33618-1

Login Number: 33618

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kyle Siesser
Cottonwood Consulting LLC
PO BOX 1653
Durango, Colorado 81302
Generated 12/19/2025 10:38:10 AM

JOB DESCRIPTION

Jaquez GC B #003E

JOB NUMBER

885-39498-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
12/19/2025 10:38:10 AM

Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)338-8812

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Laboratory Job ID: 885-39498-1



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	8
QC Association Summary	10
Lab Chronicle	11
Certification Summary	12
Subcontract Data	15
Chain of Custody	22
Receipt Checklists	23

Definitions/Glossary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-39498-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Cottonwood Consulting LLC
Project: Jaquez GC B #003E

Job ID: 885-39498-1

Job ID: 885-39498-1

Eurofins Albuquerque

Job Narrative 885-39498-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 12/11/2025 5:47 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Subcontract Work

Method Natural Gases O2, CO2: This method was subcontracted to Energy Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

GC/MS VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Job ID: 885-39498-1

Client Sample ID: SVE

Lab Sample ID: 885-39498-1

Date Collected: 12/10/25 13:35

Matrix: Air

Date Received: 12/11/25 05:47

Sample Container: Tedlar Bag 1L

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10	ug/L			12/17/25 15:44	1
1,1,1-Trichloroethane	ND		0.10	ug/L			12/17/25 15:44	1
1,1,2,2-Tetrachloroethane	ND		0.20	ug/L			12/17/25 15:44	1
1,1,2-Trichloroethane	ND		0.10	ug/L			12/17/25 15:44	1
1,1-Dichloroethane	ND		0.10	ug/L			12/17/25 15:44	1
1,1-Dichloroethene	ND		0.10	ug/L			12/17/25 15:44	1
1,1-Dichloropropene	ND		0.10	ug/L			12/17/25 15:44	1
1,2,3-Trichlorobenzene	ND		0.10	ug/L			12/17/25 15:44	1
1,2,3-Trichloropropane	ND		0.20	ug/L			12/17/25 15:44	1
1,2,4-Trichlorobenzene	ND		0.10	ug/L			12/17/25 15:44	1
1,2,4-Trimethylbenzene	ND		0.10	ug/L			12/17/25 15:44	1
1,2-Dibromo-3-Chloropropane	ND		0.20	ug/L			12/17/25 15:44	1
1,2-Dibromoethane (EDB)	ND		0.10	ug/L			12/17/25 15:44	1
1,2-Dichlorobenzene	ND		0.10	ug/L			12/17/25 15:44	1
1,2-Dichloroethane (EDC)	ND		0.10	ug/L			12/17/25 15:44	1
1,2-Dichloropropane	ND		0.10	ug/L			12/17/25 15:44	1
1,3,5-Trimethylbenzene	ND		0.10	ug/L			12/17/25 15:44	1
1,3-Dichlorobenzene	ND		0.10	ug/L			12/17/25 15:44	1
1,3-Dichloropropane	ND		0.10	ug/L			12/17/25 15:44	1
1,4-Dichlorobenzene	ND		0.10	ug/L			12/17/25 15:44	1
1-Methylnaphthalene	ND		0.40	ug/L			12/17/25 15:44	1
2,2-Dichloropropane	ND		0.20	ug/L			12/17/25 15:44	1
2-Butanone	ND		1.0	ug/L			12/17/25 15:44	1
2-Chlorotoluene	ND		0.10	ug/L			12/17/25 15:44	1
2-Hexanone	ND		1.0	ug/L			12/17/25 15:44	1
2-Methylnaphthalene	ND		0.40	ug/L			12/17/25 15:44	1
4-Chlorotoluene	ND		0.10	ug/L			12/17/25 15:44	1
4-Isopropyltoluene	ND		0.10	ug/L			12/17/25 15:44	1
4-Methyl-2-pentanone	ND		1.0	ug/L			12/17/25 15:44	1
Acetone	ND		1.0	ug/L			12/17/25 15:44	1
Benzene	ND		0.10	ug/L			12/17/25 15:44	1
Bromobenzene	ND		0.10	ug/L			12/17/25 15:44	1
Bromodichloromethane	ND		0.10	ug/L			12/17/25 15:44	1
Dibromochloromethane	ND		0.10	ug/L			12/17/25 15:44	1
Bromoform	ND		0.10	ug/L			12/17/25 15:44	1
Bromomethane	ND		0.30	ug/L			12/17/25 15:44	1
Carbon disulfide	ND		1.0	ug/L			12/17/25 15:44	1
Carbon tetrachloride	ND		0.10	ug/L			12/17/25 15:44	1
Chlorobenzene	ND		0.10	ug/L			12/17/25 15:44	1
Chloroethane	ND		0.20	ug/L			12/17/25 15:44	1
Chloroform	ND		0.10	ug/L			12/17/25 15:44	1
Chloromethane	ND		0.30	ug/L			12/17/25 15:44	1
cis-1,2-Dichloroethene	ND		0.10	ug/L			12/17/25 15:44	1
cis-1,3-Dichloropropene	ND		0.10	ug/L			12/17/25 15:44	1
Dibromomethane	ND		0.10	ug/L			12/17/25 15:44	1
Dichlorodifluoromethane	ND		0.10	ug/L			12/17/25 15:44	1
Ethylbenzene	ND		0.10	ug/L			12/17/25 15:44	1
Hexachlorobutadiene	ND		0.10	ug/L			12/17/25 15:44	1

Eurofins Albuquerque

Client Sample Results

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-39498-1

Client Sample ID: SVE

Lab Sample ID: 885-39498-1

Date Collected: 12/10/25 13:35

Matrix: Air

Date Received: 12/11/25 05:47

Sample Container: Tedlar Bag 1L

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.10	ug/L			12/17/25 15:44	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10	ug/L			12/17/25 15:44	1
Methylene Chloride	ND		0.25	ug/L			12/17/25 15:44	1
n-Butylbenzene	ND		0.30	ug/L			12/17/25 15:44	1
N-Propylbenzene	ND		0.10	ug/L			12/17/25 15:44	1
Naphthalene	ND		0.20	ug/L			12/17/25 15:44	1
sec-Butylbenzene	ND		0.10	ug/L			12/17/25 15:44	1
Styrene	ND		0.10	ug/L			12/17/25 15:44	1
tert-Butylbenzene	ND		0.10	ug/L			12/17/25 15:44	1
Tetrachloroethene (PCE)	ND		0.10	ug/L			12/17/25 15:44	1
Toluene	ND		0.10	ug/L			12/17/25 15:44	1
trans-1,2-Dichloroethene	ND		0.10	ug/L			12/17/25 15:44	1
trans-1,3-Dichloropropene	ND		0.10	ug/L			12/17/25 15:44	1
Trichloroethene (TCE)	ND		0.10	ug/L			12/17/25 15:44	1
Trichlorofluoromethane	ND		0.10	ug/L			12/17/25 15:44	1
Vinyl chloride	ND		0.10	ug/L			12/17/25 15:44	1
Xylenes, Total	ND		0.15	ug/L			12/17/25 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 130		12/17/25 15:44	1
Toluene-d8 (Surr)	100		70 - 130		12/17/25 15:44	1
4-Bromofluorobenzene (Surr)	98		70 - 130		12/17/25 15:44	1
Dibromofluoromethane (Surr)	93		70 - 130		12/17/25 15:44	1

QC Sample Results

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-39498-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-40098/7

Matrix: Air

Analysis Batch: 40098

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10	ug/L			12/17/25 14:30	1
1,1,1-Trichloroethane	ND		0.10	ug/L			12/17/25 14:30	1
1,1,2,2-Tetrachloroethane	ND		0.20	ug/L			12/17/25 14:30	1
1,1,2-Trichloroethane	ND		0.10	ug/L			12/17/25 14:30	1
1,1-Dichloroethane	ND		0.10	ug/L			12/17/25 14:30	1
1,1-Dichloroethene	ND		0.10	ug/L			12/17/25 14:30	1
1,1-Dichloropropene	ND		0.10	ug/L			12/17/25 14:30	1
1,2,3-Trichlorobenzene	ND		0.10	ug/L			12/17/25 14:30	1
1,2,3-Trichloropropane	ND		0.20	ug/L			12/17/25 14:30	1
1,2,4-Trichlorobenzene	ND		0.10	ug/L			12/17/25 14:30	1
1,2,4-Trimethylbenzene	ND		0.10	ug/L			12/17/25 14:30	1
1,2-Dibromo-3-Chloropropane	ND		0.20	ug/L			12/17/25 14:30	1
1,2-Dibromoethane (EDB)	ND		0.10	ug/L			12/17/25 14:30	1
1,2-Dichlorobenzene	ND		0.10	ug/L			12/17/25 14:30	1
1,2-Dichloroethane (EDC)	ND		0.10	ug/L			12/17/25 14:30	1
1,2-Dichloropropane	ND		0.10	ug/L			12/17/25 14:30	1
1,3,5-Trimethylbenzene	ND		0.10	ug/L			12/17/25 14:30	1
1,3-Dichlorobenzene	ND		0.10	ug/L			12/17/25 14:30	1
1,3-Dichloropropane	ND		0.10	ug/L			12/17/25 14:30	1
1,4-Dichlorobenzene	ND		0.10	ug/L			12/17/25 14:30	1
1-Methylnaphthalene	ND		0.40	ug/L			12/17/25 14:30	1
2,2-Dichloropropane	ND		0.20	ug/L			12/17/25 14:30	1
2-Butanone	ND		1.0	ug/L			12/17/25 14:30	1
2-Chlorotoluene	ND		0.10	ug/L			12/17/25 14:30	1
2-Hexanone	ND		1.0	ug/L			12/17/25 14:30	1
2-Methylnaphthalene	ND		0.40	ug/L			12/17/25 14:30	1
4-Chlorotoluene	ND		0.10	ug/L			12/17/25 14:30	1
4-Isopropyltoluene	ND		0.10	ug/L			12/17/25 14:30	1
4-Methyl-2-pentanone	ND		1.0	ug/L			12/17/25 14:30	1
Acetone	ND		1.0	ug/L			12/17/25 14:30	1
Benzene	ND		0.10	ug/L			12/17/25 14:30	1
Bromobenzene	ND		0.10	ug/L			12/17/25 14:30	1
Bromodichloromethane	ND		0.10	ug/L			12/17/25 14:30	1
Dibromochloromethane	ND		0.10	ug/L			12/17/25 14:30	1
Bromoform	ND		0.10	ug/L			12/17/25 14:30	1
Bromomethane	ND		0.30	ug/L			12/17/25 14:30	1
Carbon disulfide	ND		1.0	ug/L			12/17/25 14:30	1
Carbon tetrachloride	ND		0.10	ug/L			12/17/25 14:30	1
Chlorobenzene	ND		0.10	ug/L			12/17/25 14:30	1
Chloroethane	ND		0.20	ug/L			12/17/25 14:30	1
Chloroform	ND		0.10	ug/L			12/17/25 14:30	1
Chloromethane	ND		0.30	ug/L			12/17/25 14:30	1
cis-1,2-Dichloroethene	ND		0.10	ug/L			12/17/25 14:30	1
cis-1,3-Dichloropropene	ND		0.10	ug/L			12/17/25 14:30	1
Dibromomethane	ND		0.10	ug/L			12/17/25 14:30	1
Dichlorodifluoromethane	ND		0.10	ug/L			12/17/25 14:30	1
Ethylbenzene	ND		0.10	ug/L			12/17/25 14:30	1
Hexachlorobutadiene	ND		0.10	ug/L			12/17/25 14:30	1

Eurofins Albuquerque

QC Sample Results

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-39498-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-40098/7

Client Sample ID: Method Blank

Matrix: Air

Prep Type: Total/NA

Analysis Batch: 40098

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Isopropylbenzene	ND		0.10	ug/L			12/17/25 14:30	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10	ug/L			12/17/25 14:30	1
Methylene Chloride	ND		0.25	ug/L			12/17/25 14:30	1
n-Butylbenzene	ND		0.30	ug/L			12/17/25 14:30	1
N-Propylbenzene	ND		0.10	ug/L			12/17/25 14:30	1
Naphthalene	ND		0.20	ug/L			12/17/25 14:30	1
sec-Butylbenzene	ND		0.10	ug/L			12/17/25 14:30	1
Styrene	ND		0.10	ug/L			12/17/25 14:30	1
tert-Butylbenzene	ND		0.10	ug/L			12/17/25 14:30	1
Tetrachloroethene (PCE)	ND		0.10	ug/L			12/17/25 14:30	1
Toluene	ND		0.10	ug/L			12/17/25 14:30	1
trans-1,2-Dichloroethene	ND		0.10	ug/L			12/17/25 14:30	1
trans-1,3-Dichloropropene	ND		0.10	ug/L			12/17/25 14:30	1
Trichloroethene (TCE)	ND		0.10	ug/L			12/17/25 14:30	1
Trichlorofluoromethane	ND		0.10	ug/L			12/17/25 14:30	1
Vinyl chloride	ND		0.10	ug/L			12/17/25 14:30	1
Xylenes, Total	ND		0.15	ug/L			12/17/25 14:30	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	106		70 - 130		12/17/25 14:30	1
Toluene-d8 (Surr)	99		70 - 130		12/17/25 14:30	1
4-Bromofluorobenzene (Surr)	98		70 - 130		12/17/25 14:30	1
Dibromofluoromethane (Surr)	98		70 - 130		12/17/25 14:30	1

Lab Sample ID: LCS 885-40098/5

Client Sample ID: Lab Control Sample

Matrix: Air

Prep Type: Total/NA

Analysis Batch: 40098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	20.1		ug/L		101	70 - 130
Chlorobenzene	20.0	20.4		ug/L		102	70 - 130
Toluene	20.0	20.7		ug/L		103	70 - 130
Trichloroethene (TCE)	20.0	18.7		ug/L		94	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130

Eurofins Albuquerque

QC Association Summary

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Job ID: 885-39498-1

GC/MS VOA

Analysis Batch: 40098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39498-1	SVE	Total/NA	Air	8260B	
MB 885-40098/7	Method Blank	Total/NA	Air	8260B	
LCS 885-40098/5	Lab Control Sample	Total/NA	Air	8260B	

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Lab Chronicle

Client: Cottonwood Consulting LLC
Project/Site: Jaquez GC B #003E

Job ID: 885-39498-1

Client Sample ID: SVE

Lab Sample ID: 885-39498-1

Date Collected: 12/10/25 13:35

Matrix: Air

Date Received: 12/11/25 05:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	40098	CM	EET ALB	12/17/25 15:44

Laboratory References:

= , 1120 South 27th Street, Billings, MT 59101, TEL (406)252-6325

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-39498-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425	02-25-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-39498-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

Oregon	NELAP	NM100001	02-25-26
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
 Project/Site: Jaquez GC B #003E

Job ID: 885-39498-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

Eurofins Albuquerque



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ANALYTICAL SUMMARY REPORT

December 17, 2025

Eurofins TestAmerica - Albuquerque
4901 Hawkins St NE Ste D
Albuquerque, NM 87109-4372

Work Order: B25121233 Quote ID: B15626

Project Name: 88501577, Jaquez GC B #003E

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 12/15/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25121233-001	SVE (885-39498-1)	12/10/25 13:35	12/15/25	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Eurofins TestAmerica - Albuquerque
Project: 88501577, Jaquez GC B #003E
Lab ID: B25121233-001
Client Sample ID: SVE (885-39498-1)

Report Date: 12/17/25
Collection Date: 12/10/25 13:35
DateReceived: 12/15/25
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	22.59	Mol %		0.01		GPA 2261-13	12/16/25 10:47 / jrj
Nitrogen	77.36	Mol %		0.01		GPA 2261-13	12/16/25 10:47 / jrj
Carbon Dioxide	0.05	Mol %		0.01		GPA 2261-13	12/16/25 10:47 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	12/16/25 10:47 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-13	12/16/25 10:47 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-13	12/16/25 10:47 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	12/16/25 10:47 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-13	12/16/25 10:47 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-13	12/16/25 10:47 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-13	12/16/25 10:47 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-13	12/16/25 10:47 / jrj
Hexanes plus	<0.01	Mol %		0.01		GPA 2261-13	12/16/25 10:47 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	12/16/25 10:47 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	12/16/25 10:47 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	12/16/25 10:47 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-13	12/16/25 10:47 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	12/16/25 10:47 / jrj
Hexanes plus	< 0.001	gpm		0.001		GPA 2261-13	12/16/25 10:47 / jrj
GPM Total	< 0.001	gpm		0.001		GPA 2261-13	12/16/25 10:47 / jrj
GPM Pentanes plus	< 0.001	gpm		0.001		GPA 2261-13	12/16/25 10:47 / jrj

CALCULATED PROPERTIES

Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-13	12/16/25 10:47 / jrj
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-13	12/16/25 10:47 / jrj
Pseudo-critical Pressure, psia	547			1		GPA 2261-13	12/16/25 10:47 / jrj
Pseudo-critical Temperature, deg R	239			1		GPA 2261-13	12/16/25 10:47 / jrj
Specific Gravity @ 60/60F	0.999			0.001		D3588-17	12/16/25 10:47 / jrj
Air, %	103.23			0.01		GPA 2261-13	12/16/25 10:47 / jrj

- The analysis was not corrected for air.

COMMENTS

-
- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.
- GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.
- To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.
- Standard conditions: 60 F & 14.73 psi on a dry basis.

Report Definitions: RL - Analyte Reporting Limit MCL - Maximum Contaminant Level
QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)



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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25121233

Report Date: 12/17/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261-13								Batch: R455356		
Lab ID: B25121233-001ADUP	12 Sample Duplicate				Run: GC7890_251216A			12/16/25 11:36		
Oxygen		22.4	Mol %	0.01				0.9	20	
Nitrogen		77.6	Mol %	0.01				0.3	20	
Carbon Dioxide		0.04	Mol %	0.01				12	20	
Hydrogen Sulfide		<0.01	Mol %	0.01					20	
Methane		<0.01	Mol %	0.01					20	
Ethane		<0.01	Mol %	0.01					20	
Propane		<0.01	Mol %	0.01					20	
Isobutane		<0.01	Mol %	0.01					20	
n-Butane		<0.01	Mol %	0.01					20	
Isopentane		<0.01	Mol %	0.01					20	
n-Pentane		<0.01	Mol %	0.01					20	
Hexanes plus		<0.01	Mol %	0.01					20	
Lab ID: LCS121625								12/16/25 13:17		
	11 Laboratory Control Sample				Run: GC7890_251216A					
Oxygen		0.63	Mol %	0.01	128	70	130			
Nitrogen		5.69	Mol %	0.01	97	70	130			
Carbon Dioxide		1.00	Mol %	0.01	100	70	130			
Methane		76.7	Mol %	0.01	100	70	130			
Ethane		6.03	Mol %	0.01	100	70	130			
Propane		5.05	Mol %	0.01	101	70	130			
Isobutane		1.68	Mol %	0.01	84	70	130			
n-Butane		2.01	Mol %	0.01	101	70	130			
Isopentane		0.50	Mol %	0.01	100	70	130			
n-Pentane		0.50	Mol %	0.01	100	70	130			
Hexanes plus		0.20	Mol %	0.01	97	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



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Billings, MT 406.252.6325 • Casper, WY 307.235.0515
Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

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Work Order Receipt Checklist

Euofins TestAmerica - Albuquerque

B25121233

Login completed by: Crystal M. Jones

Date Received: 12/15/2025

Reviewed by: dlindberg

Received by: CMJ

Reviewed Date: 12/16/2025

Carrier name: FedEx NDA

- | | | | |
|--|---|--|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on all shipping container(s)/cooler(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on all sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time?
(Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temp Blank received in all shipping container(s)/cooler(s)? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Not Applicable <input type="checkbox"/> |
| Container/Temp Blank temperature: | 13.5°C No Ice | | |
| Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4"). | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None



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Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
Billings, MT  	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
USDA Soil Permit	P330-20-00170	
Washington	C1039	
Casper, WY 	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	Nevada	NV-C24-00245
	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
USNRC License	49-26846-01	
Washington	C1012	
Gillette, WY	US EPA Region VIII	WY00006
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

Eurofins Albuquerque

4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record



Environment Testing



Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Cason, Cheyenne	Carrier Tracking No(s): N/A	COC No: 885-7750-1
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: cheyenne.cason@et.eurofins.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Energy Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon; State - New Mexico		Job #: 885-39498-1	Preservation Codes:
Address: 1120 South 27th Street,		Due Date Requested: 12/18/2025	Analysis Requested		
City:	Billings	TAT Requested (days): N/A	Total Number of Containers		
State, Zip: MT, 59101			1		
Phone: 406-252-6325(Tel)			SUB - GPA-226195 - Natural Gases O2, CO2		
Email: N/A			Perform MS/MSD (Yes or No)		
Project Name: Jaquez GC B #003E			Field Filtered Sample (Yes or No)		
Site: N/A			X		
			Matrix (w=water, s=solid, o=wastefoil, BT=Tissue, A=Air)		
			Sample Type (C=Comp, G=grab)		
			Sample Time 13:35 Mountain		
			Sample Date 12/10/25		
			Preservation Code: G Air		
Sample Identification - Client ID (Lab ID)		Special Instructions/Note:			
SVE (885-39498-1)		See Attached Instructions			
		B2512-233			

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
 Empty Kit Relinquished by: [Signature] Date: 12/25/2025 1430
 Relinquished by: [Signature] Date: [] Company: []
 Relinquished by: [Signature] Date: [] Company: []
 Relinquished by: [Signature] Date: [] Company: []
 Custody Seals Intact: [] Custody Seal No.: []
 Cooler Temperature(s)/C and Other Remarks: [Signature]

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements:

Method of Shipment: []
 Received by: [] Date: [] Company: []
 Received by: [] Date: [] Company: []
 Received by: [] Date: 12/19/25 1045 Company: []
 Ver: 10/10/2024

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- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

ICOC No:
885-7750

Containers

<u>Count</u>	<u>Container Type</u>	<u>Preservative</u>
1	Tedlar Bag 1L	None

Subcontract Method Instructions

Sample IDs	Method	Method Description	Method Comments
1	SUBCONTRACT	SUB - GPA-226195 - Natural Gases O2, CO2	Fixed Gases - Natural Gases O2, CO2

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Login Sample Receipt Checklist

Client: Cottonwood Consulting LLC

Job Number: 885-39498-1

Login Number: 39498

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 550384

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 550384
	Action Type: [REPORT] Alternative Remediation Report (C-141AR)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Jaquez Gas Com B #003E 2025 Annual Monitoring Report is accepted for the record. Provide OCD a full sampling plan for the vadose zone, including a detailed site diagram, site sampling points, site map, and description of sampling procedures for pre-approval when closure is anticipated for the incident.	2/20/2026