

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

June 23, 2022

Kyle Siesser Cottonwood Consulting LLC PO BOX 1653 Durango, CO 81302

TEL: (970) 764-7356

FAX:

RE: Jacquez GC B 003E OrderNo.: 2206603

Dear Kyle Siesser:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/10/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2206603

Date Reported: 6/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cottonwood Consulting LLC Client Sample ID: SVE

 Project:
 Jacquez GC B 003E
 Collection Date: 6/8/2022 11:00:00 AM

 Lab ID:
 2206603-001
 Matrix: AIR
 Received Date: 6/10/2022 7:05:00 AM

Benzene	Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
Toluene ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 R8708 Methyl terbulyl ether (MTBE) ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 Methyl terbulyl ether (MTBE) ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2,4-Trimethylbenzene 0.79 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,3,5-Trimethylbenzene 2.3 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,3,5-Trimethylbenzene 2.3 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2,5-Trimethylbenzene 2.3 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2,5-Trimethylbenzene 2.3 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane (EDB) ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane (EDB) ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane (EDB) ND 0.40 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane (EDB) ND 0.80 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.80 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.80 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichlorosethane ND 0.20 µg/L 2 6	EPA METHOD 8260B: VOLATILES					Analys	t: CCM
Ethylbenzene	Benzene	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
Methyl terr-butyl ether (MTBE) ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2,4-Trimethylbenzene 0.79 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,3,5-Trimethylbenzene 2.3 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dichloroethane (EDC) ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 1,2-Dibromoethane (EDB) ND 0.40 µg/L 2 6/14/2022 3:50:00 PM R88708 Naphthalene ND 0.40 µg/L 2 6/14/2022 3:50:00 PM R88708 2-Methylnaphthalene ND 0.80 µg/L 2 6/14/2022 3:50:00 PM R88708 2-Methylnaphthalene ND 0.80 µg/L 2 6/14/2022 3:50:00 PM R88708 2-Methylnaphthalene ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708 2-Methylnaphthalene ND 0.20 µg/L 2 6/14/2022 3:50:00 PM R88708	Toluene	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
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1,3,5-Trimethylbenzene	Methyl tert-butyl ether (MTBE)	ND	0.20		2	6/14/2022 3:50:00 PM	R88708
1,2-Dichloroethane (EDC)	1,2,4-Trimethylbenzene	0.79	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
Naphthalene	1,3,5-Trimethylbenzene	2.3	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
Naphthalene	1,2-Dichloroethane (EDC)	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
1-Methylnaphthalene	1,2-Dibromoethane (EDB)	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
2-MetryInaphthalene	Naphthalene	ND	0.40	μg/L	2	6/14/2022 3:50:00 PM	R88708
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	1,3-Dichloropropane	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
,	2,2-Dichloropropane	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report

Lab Order 2206603

Date Reported: 6/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cottonwood Consulting LLC

Project: Jacquez GC B 003E

Lab ID: 2206603-001

Client Sample ID: SVE

Collection Date: 6/8/2022 11:00:00 AM

Received Date: 6/10/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	: CCM
1,1-Dichloropropene	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
Hexachlorobutadiene	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
2-Hexanone	ND	2.0	μg/L	2	6/14/2022 3:50:00 PM	R88708
Isopropylbenzene	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
4-Isopropyltoluene	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
4-Methyl-2-pentanone	ND	2.0	μg/L	2	6/14/2022 3:50:00 PM	R88708
Methylene chloride	ND	0.60	μg/L	2	6/14/2022 3:50:00 PM	R88708
n-Butylbenzene	ND	0.60	μg/L	2	6/14/2022 3:50:00 PM	R88708
n-Propylbenzene	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
sec-Butylbenzene	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
Styrene	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
tert-Butylbenzene	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
1,1,1,2-Tetrachloroethane	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
1,1,2,2-Tetrachloroethane	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
Tetrachloroethene (PCE)	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
trans-1,2-DCE	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
trans-1,3-Dichloropropene	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
1,2,3-Trichlorobenzene	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
1,2,4-Trichlorobenzene	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
1,1,1-Trichloroethane	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
1,1,2-Trichloroethane	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
Trichloroethene (TCE)	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
Trichlorofluoromethane	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
1,2,3-Trichloropropane	ND	0.40	μg/L	2	6/14/2022 3:50:00 PM	R88708
Vinyl chloride	ND	0.20	μg/L	2	6/14/2022 3:50:00 PM	R88708
Xylenes, Total	4.1	0.30	μg/L	2	6/14/2022 3:50:00 PM	R88708
Surr: Dibromofluoromethane	107	70-130	%Rec	2	6/14/2022 3:50:00 PM	R88708
Surr: 1,2-Dichloroethane-d4	97.0	70-130	%Rec	2	6/14/2022 3:50:00 PM	R88708
Surr: Toluene-d8	105	70-130	%Rec	2	6/14/2022 3:50:00 PM	R88708
Surr: 4-Bromofluorobenzene	95.1	70-130	%Rec	2	6/14/2022 3:50:00 PM	R88708

Matrix: AIR

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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ANALYTICAL SUMMARY REPORT

June 23, 2022

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order: G22060305
Project Name: 2206603

Energy Laboratories Inc. Gillette WY received the following 1 sample for Hall Environmental on 6/16/2022 for analysis.

•		• .		•
Lab ID	Client Sample ID	Collect Date Receive Date	Matrix	Test
G22060305-001	2206603-001A;SVE	06/08/22 11:00 06/16/22	Gas	Air Correction Calculations Analysis Corrections 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., 400 W. Boxelder Rd., Gillette, WY 82718, 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.

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

Report Approved By:

Page 5 of 23
Billings, MT 800.735.4489 • Casper, WY 888.235.0515

Gillette, WY **866.686.7175** • Helena, MT **877.472.0711**

CLIENT: Hall Environmental

Project: 2206603

Work Order: G22060305

Report Date: 06/23/22

CASE NARRATIVE

Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.

Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

Date Received: 06/16/22

LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental

Project: 2206603 Report Date: 06/23/22 **Client Sample ID:** 2206603-001A;SVE Collection Date: 06/08/22 11:00

Location:

Lab ID: G22060305-001 Sampled By: Not Provided

Analyses	Result Units	Qualifier Method Analysis Date / By
GAS CHROMATOGRAPHIC ANALYSIS REPORT		
Oxygen	21.74 Mol %	GPA 2261- 06/20/22 13:50 / eli-b
Nitrogen	78.07 Mol %	GPA 2261- 06/20/22 13:50 / eli-b
Carbon Dioxide	0.19 Mol %	GPA 2261- 06/20/22 13:50 / eli-b
Hydrogen Sulfide	<0.01 Mol %	GPA 2261- 06/20/22 13:50 / eli-b
Methane	<0.01 Mol %	GPA 2261- 06/20/22 13:50 / eli-b
Ethane	<0.01 Mol %	GPA 2261- 06/20/22 13:50 / eli-b
Propane	<0.01 Mol %	GPA 2261- 06/20/22 13:50 / eli-b
Isobutane	<0.01 Mol %	GPA 2261- 06/20/22 13:50 / eli-b
n-Butane	<0.01 Mol %	GPA 2261- 06/20/22 13:50 / eli-b
Isopentane	<0.01 Mol %	GPA 2261- 06/20/22 13:50 / eli-b
n-Pentane	<0.01 Mol %	GPA 2261- 06/20/22 13:50 / eli-b
Hexanes plus	<0.01 Mol %	GPA 2261- 06/20/22 13:50 / eli-b
GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS		
Propane	< 0.001 gpm	GPA 2261- 06/20/22 13:50 / eli-b
Isobutane	< 0.001 gpm	GPA 2261- 06/20/22 13:50 / eli-b
n-Butane	< 0.001 gpm	GPA 2261- 06/20/22 13:50 / eli-b
Isopentane	< 0.001 gpm	GPA 2261- 06/20/22 13:50 / eli-b
n-Pentane	< 0.001 gpm	GPA 2261- 06/20/22 13:50 / eli-b
Hexanes plus	< 0.001 gpm	GPA 2261- 06/20/22 13:50 / eli-b
GPM Total	< 0.001 gpm	GPA 2261- 06/20/22 13:50 / eli-b
GPM Pentanes plus	< 0.001 gpm	GPA 2261- 06/20/22 13:50 / eli-b
CALCULATED PROPERTIES		
Gross BTU per cu ft @ Std Cond. (HHV	<1	GPA 2261- 06/20/22 13:50 / eli-b
Net BTU per cu ft @ std cond. (LHV)	<1	GPA 2261- 06/20/22 13:50 / eli-b
Pseudo-critical Pressure, psia	546	GPA 2261- 06/20/22 13:50 / eli-b
Pseudo-critical Temperature, deg R	239	GPA 2261- 06/20/22 13:50 / eli-b
PHYSICAL PROPERTIES-CALCULATED		
Specific Gravity @ 60/60F	0.999	D3588-81 06/20/22 13:50 / eli-b
COMMENTS		

⁻ BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.

Report RL - Analyte Reporting Limit

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

06/20/22 13:50 / eli-b

⁻ 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.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental Work Order: G22060305 Report Date: 06/22/22

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	GPA 2261-95								Batch:	R383462
Lab ID:	LCS062022	Laboratory Co	ontrol Sample			Run: GCN	GA-B_220620A		06/20)/22 15:28
Oxygen		0.60	Mol %	0.01	120	70	130			
Nitrogen		5.97	Mol %	0.01	99	70	130			
Carbon Dio	oxide	1.01	Mol %	0.01	102	70	130			
Methane		74.5	Mol %	0.01	100	70	130			
Ethane		6.07	Mol %	0.01	101	70	130			
Propane		5.08	Mol %	0.01	103	70	130			
Isobutane		2.01	Mol %	0.01	100	70	130			
n-Butane		2.00	Mol %	0.01	100	70	130			
Isopentane		1.01	Mol %	0.01	101	70	130			
n-Pentane		1.00	Mol %	0.01	100	70	130			
Hexanes pl	us	0.77	Mol %	0.01	96	70	130			
Lab ID:	B22061652-001ADUP	Sample Dupli	cate			Run: GCN	GA-B_220620A		06/20)/22 12:55
Oxygen		21.3	Mol %	0.01				0	20	
Nitrogen		77.7	Mol %	0.01				0.1	20	
Carbon Dio	oxide	0.77	Mol %	0.01				0.0	20	
Hydrogen S	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 pl	us	0.17	Mol %	0.01				52	20	R

Qualifiers:

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)



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Work Order Receipt Checklist

Hall Environmental

G22060305

Login completed by:	Chantel S. Johnson		Date	Received: 6/16/2022	
Reviewed by:	Alyson T. Degnan		Re	ceived by: csj	
Reviewed Date:	6/21/2022		Car	rier name: FedEx	
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present	
Custody seals intact on all si	hipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Present	
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present 🗸	
Chain of custody present?		Yes ✓	No 🗌		
Chain of custody signed whe	en relinquished and received?	Yes ✓	No 🗌		
Chain of custody agrees with	n sample labels?	Yes ✓	No 🗌		
Samples in proper container	/bottle?	Yes ✓	No 🗌		
Sample containers intact?		Yes ✓	No 🗌		
Sufficient sample volume for	indicated test?	Yes ✓	No 🗌		
All samples received within h (Exclude analyses that are c such as pH, DO, Res CI, Su	onsidered field parameters	Yes ✓	No 🗌		
Temp Blank received in all s	hipping container(s)/cooler(s)?	Yes	No 🗌	Not Applicable 🗸	
Container/Temp Blank tempe	erature:	°C			
Containers requiring zero he bubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted	\checkmark
Water - pH acceptable upon	receipt?	Yes 🗌	No 🗌	Not Applicable ✓	

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.

Contact and Corrective Action Comments:

None

Date Date:

Date: Time: 10:01 AM Time

Received By

Date

HARDCOPY (extra cost)

REPORT TRANSMITTAL DESIRED.

EMAIL

ONLINE

FOR LAB USE ONLY

Attempt to Cool?

TAT:

RUSH

Next BD

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.



6/8/2022 11:00:00 AM		TEDLAR Air	1 ZZOBBUS-UULA SVE
ANALYTICAL COMMENTS	COLLECTION DATE	BOTTLE TYPE MATRIX	ITEM SAMPLE CLIENT SAMPLE ID
# COJ	100 #		
			Official, M. 1 97/19
			CITY, STATE, ZIP: Cillette W/V 02710
EMAIL:	ACCOUNT #:		400 W Boxelder Rd
(866) 686-7175 FAX:	PHONE	Energy Laboratories	ADDRESS: Energy Labs-Gillette CONTRANT: Energy

пан Environmental Analysis Laboratory Albuquerque, NM 87109 4901 Hawkins NE

TWO THE TANK TOWN

Website: www.hallenvironmental.com

FAX: 505-345-4107 TEL: 505-345-3975



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	Cottonwood LLC	Consulting	Work C	rder Numbe	r: 220	603			RcptNo:	: 1
Received By:	Cheyenne	Cason	6/10/2022	2 7:05:00 AN	А		Charl	<u>'</u>		
Completed By:	Tracy Casa	arrubias	6/10/2022	2 9:57:46 AN	Λ					
Reviewed By:	KPG	5.10.	20							
Chain of Cus	tod <u>y</u>									
1. Is Chain of C	ustody comple	ete?			Yes	\checkmark	No		Not Present	
2. How was the	sample delive	ered?			<u>Cou</u>	rier				
Log In					Yes		No	П	na 🗆	
3. Was an attem	ipt made to co	ooi the sample	es?		res	•	NO	L	IVA L	
4. Were all samp	oles received	at a temperat	ure of >0° C to	6.0°C	Yes		No		NA 🗹	
5. Sample(s) in	proper contair	ner(s)?			Yes	✓	No			
6. Sufficient sam	iple volume fo	or indicated te	st(s)?		Yes	✓	No			
7. Are samples (except VOA a	ınd ONG) pro	perly preserved	l?	Yes	$\overline{\checkmark}$	No			
8. Was preserva	tive added to	bottles?			Yes		No	V	NA 🗆	
9. Received at le	ast 1 vial with	headspace <	<1/4" for AQ VC	A?	Yes		No		NA 🗹	,
10. Were any sar	nple containe	rs received br	oken?		Yes		No	V	# of preserved	
11. Does paperwo (Note discrepa					Yes	✓	No		bottles checked for pH:	r >12 unless noted)
12. Are matrices o	correctly ident	ified on Chair	of Custody?		Yes	\checkmark	No		Adjusted?	
13. Is it clear wha			>		Yes	✓	No			000 (1)
14. Were all holdi (If no, notify c	-				Yes	V	No	Ш	Checked by	mc Gliola
Special Handl	ing (if app	licable)								
15. Was client no	otified of all dis	screpancies w	vith this order?		Yes		No		NA 🗹	
Person	Notified:			Date:		***************************************				
By Who	om: [Via:	☐ eM	ail 🗀] Phone [Fax	☐ In Person	
Regard	ing:	Market College of Market Andread Andre				************				
Client I	nstructions:									
16. Additional re	marks:									
17. Cooler Info			1 - '				ł _		4	
Cooler No		Condition	 	Seal No	Seal D	ate	Signed E	Зу		
i I	NA	Good	Yes							

Client:

Chain-of-Custody Record

Cottonwood Consulting LLC

Standard
Project Name:

□ Rush

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Turn-Around Time:

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 			9131								_					# of Coolers:			☐ EDD (Type)	
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		107	Fax 505-345-4107	505-(ax :	Т	75	Tel. 505-345-3975	5-34	50	Tel					Project #:	Durango, CO 81302	Durango,		
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		د	www.hallenvironmental.com	enta	muo.	envi	nall	₩.	<							· .				



March 28, 2022

Kyle Siesser Cottonwood Consulting LLC PO BOX 1653 Durango, CO 81302

TEL: (970) 764-7356

FAX:

RE: Jacquez GC B 003 OrderNo.: 2203996

Dear Kyle Siesser:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/18/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

ands

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

RECEIVED

By Mike Buchanan at 2:20 pm, Oct 16, 2023

CLIENT: Cottonwood Consulting LLC

Analytical Report

Lab Order **2203996**

Date Reported: 3/28/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SVE

 Project:
 Jacquez GC B 003
 Collection Date: 3/16/2022 9:45:00 AM

 Lab ID:
 2203996-001
 Matrix: AIR
 Received Date: 3/18/2022 8:05:00 AM

Benzene ND 0.10 μg/L 1 3/22/2022 1: Toluene ND 0.10 μg/L 1 3/22/2022 1: Ethylbenzene ND 0.10 μg/L 1 3/22/2022 1: Ethylbenzene ND 0.10 μg/L 1 3/22/2022 1: Methyl tert-butyl ether (MTBE) ND 0.10 μg/L 1 3/22/2022 1: 1,2.4-Timethylbenzene 0.26 0.10 μg/L 1 3/22/2022 1: 1,3.5-Trimethylbenzene 1.1 0.10 μg/L 1 3/22/2022 1: 1,3.5-Trimethylbenzene 1.1 0.10 μg/L 1 3/22/2022 1: 1,2-Dichloroethane (EDC) ND 0.10 μg/L 1 3/22/2022 1: 1,2-Dibromoethane (EDB) ND 0.10 μg/L 1 3/22/2022 1: Naphthalene ND 0.20 μg/L 1 3/22/2022 1: 1.2-Dibromoethane (EDB) ND 0.10 μg/L 1 3/22/2022 1: 1.2-Dibromoethane (EDB) ND 0.40 μg/L 1 3/22/2022 1: 1.2-Dibromoethane ND 0.10 μg/L 1 3/22/2022 1: 1.2-Dib	zed
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Ethylbenzene	1:02:00 PM
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4-Chlorotoluene ND 0.10 μg/L 1 3/22/2022 1: cis-1,2-DCE ND 0.10 μg/L 1 3/22/2022 1: cis-1,3-Dichloropropene ND 0.10 μg/L 1 3/22/2022 1: 1,2-Dibromo-3-chloropropane ND 0.20 μg/L 1 3/22/2022 1: Dibromochloromethane ND 0.10 μg/L 1 3/22/2022 1: Dibromomethane ND 0.20 μg/L 1 3/22/2022 1: 1,2-Dichlorobenzene ND 0.10 μg/L 1 3/22/2022 1: 1,3-Dichlorobenzene ND 0.10 μg/L 1 3/22/2022 1:	1:02:00 PM
cis-1,2-DCE ND 0.10 µg/L 1 3/22/2022 1: cis-1,3-Dichloropropene ND 0.10 µg/L 1 3/22/2022 1: 1,2-Dibromo-3-chloropropane ND 0.20 µg/L 1 3/22/2022 1: Dibromochloromethane ND 0.10 µg/L 1 3/22/2022 1: Dibromomethane ND 0.20 µg/L 1 3/22/2022 1: 1,2-Dichlorobenzene ND 0.10 µg/L 1 3/22/2022 1: 1,3-Dichlorobenzene ND 0.10 µg/L 1 3/22/2022 1:	1:02:00 PM
cis-1,3-Dichloropropene ND 0.10 μg/L 1 3/22/2022 1: 1,2-Dibromo-3-chloropropane ND 0.20 μg/L 1 3/22/2022 1: Dibromochloromethane ND 0.10 μg/L 1 3/22/2022 1: Dibromomethane ND 0.20 μg/L 1 3/22/2022 1: 1,2-Dichlorobenzene ND 0.10 μg/L 1 3/22/2022 1: 1,3-Dichlorobenzene ND 0.10 μg/L 1 3/22/2022 1:	1:02:00 PM
1,2-Dibromo-3-chloropropane ND 0.20 μg/L 1 3/22/2022 1: Dibromochloromethane ND 0.10 μg/L 1 3/22/2022 1: Dibromomethane ND 0.20 μg/L 1 3/22/2022 1: 1,2-Dichlorobenzene ND 0.10 μg/L 1 3/22/2022 1: 1,3-Dichlorobenzene ND 0.10 μg/L 1 3/22/2022 1:	1:02:00 PM
Dibromochloromethane ND 0.10 μg/L 1 3/22/2022 1: Dibromomethane ND 0.20 μg/L 1 3/22/2022 1: 1,2-Dichlorobenzene ND 0.10 μg/L 1 3/22/2022 1: 1,3-Dichlorobenzene ND 0.10 μg/L 1 3/22/2022 1:	1:02:00 PM
Dibromomethane ND 0.20 μg/L 1 3/22/2022 1: 1,2-Dichlorobenzene ND 0.10 μg/L 1 3/22/2022 1: 1,3-Dichlorobenzene ND 0.10 μg/L 1 3/22/2022 1:	1:02:00 PM
1,2-Dichlorobenzene ND 0.10 $\mu g/L$ 1 3/22/2022 1: 1,3-Dichlorobenzene ND 0.10 $\mu g/L$ 1 3/22/2022 1:	1:02:00 PM
1,3-Dichlorobenzene ND 0.10 µg/L 1 3/22/2022 1:	1:02:00 PM
	1:02:00 PM
1.4 Diablorahanzana ND 0.40	1:02:00 PM
1,4-Dichlorobenzene ND 0.10 μg/L 1 3/22/2022 1:	1:02:00 PM
Dichlorodifluoromethane ND 0.10 µg/L 1 3/22/2022 1:	1:02:00 PM
1,1-Dichloroethane ND 0.10 µg/L 1 3/22/2022 1:	1:02:00 PM
1,1-Dichloroethene ND 0.10 µg/L 1 3/22/2022 1:	1:02:00 PM
1,2-Dichloropropane ND 0.10 µg/L 1 3/22/2022 1:	1:02:00 PM
1,3-Dichloropropane ND 0.10 µg/L 1 3/22/2022 1:	1:02:00 PM
2,2-Dichloropropane ND 0.10 μg/L 1 3/22/2022 1:	1:02:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 2

CLIENT: Cottonwood Consulting LLC

Analytical Report

Lab Order **2203996**Date Reported: **3/28/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SVE

 Project:
 Jacquez GC B 003
 Collection Date: 3/16/2022 9:45:00 AM

 Lab ID:
 2203996-001
 Matrix: AIR
 Received Date: 3/18/2022 8:05:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES					Analyst: CCM
1,1-Dichloropropene	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
Hexachlorobutadiene	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
2-Hexanone	ND	1.0	μg/L	1	3/22/2022 1:02:00 PM
Isopropylbenzene	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
4-Isopropyltoluene	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
4-Methyl-2-pentanone	ND	1.0	μg/L	1	3/22/2022 1:02:00 PM
Methylene chloride	ND	0.30	μg/L	1	3/22/2022 1:02:00 PM
n-Butylbenzene	ND	0.30	μg/L	1	3/22/2022 1:02:00 PM
n-Propylbenzene	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
sec-Butylbenzene	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
Styrene	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
tert-Butylbenzene	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
1,1,1,2-Tetrachloroethane	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
1,1,2,2-Tetrachloroethane	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
Tetrachloroethene (PCE)	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
trans-1,2-DCE	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
trans-1,3-Dichloropropene	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
1,2,3-Trichlorobenzene	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
1,2,4-Trichlorobenzene	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
1,1,1-Trichloroethane	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
1,1,2-Trichloroethane	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
Trichloroethene (TCE)	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
Trichlorofluoromethane	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
1,2,3-Trichloropropane	ND	0.20	μg/L	1	3/22/2022 1:02:00 PM
Vinyl chloride	ND	0.10	μg/L	1	3/22/2022 1:02:00 PM
Xylenes, Total	3.2	0.15	μg/L	1	3/22/2022 1:02:00 PM
Surr: Dibromofluoromethane	101	70-130	%Rec	1	3/22/2022 1:02:00 PM
Surr: 1,2-Dichloroethane-d4	99.5	70-130	%Rec	1	3/22/2022 1:02:00 PM
Surr: Toluene-d8	101	70-130	%Rec	1	3/22/2022 1:02:00 PM
Surr: 4-Bromofluorobenzene	93.2	70-130	%Rec	1	3/22/2022 1:02:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 2

ANALYTICAL SUMMARY REPORT

March 25, 2022

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order: G22030398
Project Name: Not Indicated

Energy Laboratories Inc. Gillette WY received the following 1 sample for Hall Environmental on 3/23/2022 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
G22030398-001	2203996-001A; SVE	03/16/22 9:45	03/23/22	Air	Natural Gas Analysis - BTU Natural Gas Analysis - Compressibility Factor Natural Gas Analysis - GPM Natural Gas Analysis - Molecular Weight Natural Gas Analysis - Routine Natural Gas Analysis - Pressure Base Natural Gas Analysis - Psuedo- Critical Pressure Natural Gas Analysis - Psuedo- Critical Temperature Natural Gas Analysis - Specific Gravity Natural Gas Analysis - Temperature Base

The analyses presented in this report were performed by Energy Laboratories, Inc., 400 W. Boxelder Rd., Gillette, WY 82718, 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.

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

Report Approved By:

Date Received: 03/23/22



LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental

Project: Not Indicated **Report Date:** 03/25/22 Client Sample ID: 2203996-001A; SVE Collection Date: 03/16/22 09:45

Location:

Lab ID: Sampled By: Not Indicated G22030398-001

Analyses	Result Units	Qualifier Method	Analysis Date / By
NATURAL GAS CHROMATOGRAPHIC ANALYSIS RE	PORT		
Oxygen	22.113 Mol %	GPA 2261	03/24/22 14:44 / blb
Nitrogen	77.702 Mol %	GPA 2261	03/24/22 14:44 / blb
Carbon Dioxide	0.185 Mol %	GPA 2261	03/24/22 14:44 / blb
Hydrogen Sulfide	< 0.001 Mol %	GPA 2261	03/24/22 14:44 / blb
Methane	< 0.001 Mol %	GPA 2261	03/24/22 14:44 / blb
Ethane	< 0.001 Mol %	GPA 2261	03/24/22 14:44 / blb
Propane	< 0.001 Mol %	GPA 2261	03/24/22 14:44 / blb
Isobutane	< 0.001 Mol %	GPA 2261	03/24/22 14:44 / blb
n-Butane	< 0.001 Mol %	GPA 2261	03/24/22 14:44 / blb
Isopentane	< 0.001 Mol %	GPA 2261	03/24/22 14:44 / blb
n-Pentane	< 0.001 Mol %	GPA 2261	03/24/22 14:44 / blb
Hexanes plus	< 0.001 Mol %	GPA 2261	03/24/22 14:44 / blb
GPM @ STD COND/1000 CU.FT., MOISTURE FREE G	AS		
GPM Ethane	< 0.0003 gal/MCF	GPA 2261	03/24/22 14:44 / blb
GPM Propane	< 0.0003 gal/MCF	GPA 2261	03/24/22 14:44 / blb
GPM Isobutane	< 0.0003 gal/MCF	GPA 2261	03/24/22 14:44 / blb
GPM n-Butane	< 0.0003 gal/MCF	GPA 2261	03/24/22 14:44 / blb
GPM Isopentane	< 0.0004 gal/MCF	GPA 2261	03/24/22 14:44 / blb
GPM n-Pentane	< 0.0004 gal/MCF	GPA 2261	03/24/22 14:44 / blb
GPM Hexanes plus	< 0.0004 gal/MCF	GPA 2261	03/24/22 14:44 / blb
GPM Pentanes plus	< 0.0004 gal/MCF	GPA 2261	03/24/22 14:44 / blb
GPM Total	< 0.0004 gal/MCF	GPA 2261	03/24/22 14:44 / blb
CALCULATED PROPERTIES			
Calculation Pressure Base	14.730 psia	GPA 2261	03/24/22 14:44 / blb
Calculation Temperature Base	60 °F	GPA 2261	03/24/22 14:44 / blb
Compressibility Factor, Z	1.0000 unitless	GPA 2261	03/24/22 14:44 / blb
Molecular Weight	28.92 unitless	GPA 2261	03/24/22 14:44 / blb
Pseudo-critical Pressure, psia	548 psia	GPA 2261	03/24/22 14:44 / blb
Pseudo-critical Temperature, deg R	240 deg R	GPA 2261	03/24/22 14:44 / blb
Specific Gravity (air=1.000)	1.002 unitless	GPA 2261	03/24/22 14:44 / blb
Gross BTU per cu ft @ std cond, dry	< 0.01 BTU/cu ft	GPA 2261	03/24/22 14:44 / blb
Gross BTU per cu ft @ std cond, wet	< 0.01 BTU/cu ft	GPA 2261	03/24/22 14:44 / blb

RL - Analyte Reporting Limit Report MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental Work Order: G22030398 Report Date: 03/25/22

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD RF	PDLimit	Qual
Method:	GPA 2261							Analy	tical Run:	R270004
Lab ID:	CCV-2203241254	Continuing Ca	alibration Ve	erification Standa	ard				03/24	/22 12:55
Oxygen		0.637	Mol %	0.001	106	90	110			
Nitrogen		1.378	Mol %	0.001	98	85	110			
Carbon Dic	oxide	0.954	Mol %	0.001	95	90	110			
Hydrogen S	Sulfide	0.025	Mol %	0.001	100	70	130			
Methane		93.438	Mol %	0.001	100	90	110			
Ethane		1.014	Mol %	0.001	101	90	110			
Propane		1.009	Mol %	0.001	101	90	110			
Isobutane		0.495	Mol %	0.001	99	90	110			
n-Butane		0.495	Mol %	0.001	99	90	110			
Isopentane)	0.200	Mol %	0.001	100	90	110			
n-Pentane		0.201	Mol %	0.001	100	90	110			
Hexanes p	lus	0.154	Mol %	0.001	103	90	110			
Lab ID:	ICV-2203241303	Initial Calibrat	ion Verifica	tion Standard					03/24	/22 13:04
Oxygen		0.391	Mol %	0.001	97	75	110			
Nitrogen		5.154	Mol %	0.001	103	90	110			
Carbon Dic	oxide	4.900	Mol %	0.001	99	90	110			
Hydrogen S	Sulfide	0.130	Mol %	0.001	131	100	136			
Methane		73.196	Mol %	0.001	100	90	110			
Ethane		4.997	Mol %	0.001	101	90	110			
Propane		4.993	Mol %	0.001	100	90	110			
Isobutane		1.984	Mol %	0.001	99	90	110			
n-Butane		1.965	Mol %	0.001	98	90	110			
Isopentane)	0.986	Mol %	0.001	99	90	110			
n-Pentane		0.997	Mol %	0.001	100	90	110			
Hexanes p	lus	0.307	Mol %	0.001	102	90	110			
Lab ID:	CCV-2203241628	Continuing Ca	alibration Ve	erification Standa	ard				03/24	1/22 16:28
Oxygen		0.609	Mol %	0.001	102	90	110			
Nitrogen		1.288	Mol %	0.001	92	85	110			
Carbon Dic	oxide	0.965	Mol %	0.001	97	90	110			
Hydrogen S	Sulfide	0.021	Mol %	0.001	84	70	130			
Methane		93.560	Mol %	0.001	100	90	110			
Ethane		1.015	Mol %	0.001	101	90	110			
Propane		1.006	Mol %	0.001	101	90	110			
Isobutane		0.492	Mol %	0.001	98	90	110			
n-Butane		0.492	Mol %	0.001	98	90	110			
Isopentane	;	0.199	Mol %	0.001	99	90	110			
n-Pentane		0.200	Mol %	0.001	100	90	110			
Hexanes p	lus	0.153	Mol %	0.001	102	90	110			
Method:	GPA 2261								Batch:	R270004
Lab ID:	G22030398-001ADUP	Sample Dupli	cate			Run: Varia	n GC_220324A		03/24	/22 14:50
Oxygen		22.112	Mol %	0.001				0.0	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental Work Order: G22030398 Report Date: 03/25/22

Analyte	Result	Units	RL	%REC Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261							Batch:	R270004
Lab ID: G22030398-001ADUP	Sample Dupli	cate		Run: Variar	n GC_220324A		03/24	/22 14:50
Nitrogen	77.703	Mol %	0.001			0.0	10	
Carbon Dioxide	0.185	Mol %	0.001			0.0	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001				10	
Methane	< 0.001	Mol %	0.001				10	
Ethane	< 0.001	Mol %	0.001				10	
Propane	< 0.001	Mol %	0.001				10	
Isobutane	< 0.001	Mol %	0.001				10	
n-Butane	< 0.001	Mol %	0.001				10	
Isopentane	< 0.001	Mol %	0.001				10	
n-Pentane	< 0.001	Mol %	0.001				10	
Hexanes plus	< 0.001	Mol %	0.001				10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Trust our People. Trust our Data. www.energylab.com Billings, MT 800.735.4489 • Casper, WY 888.235.0515 Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

Work Order Receipt Checklist

Hall Environmental

G22030398

Login completed by:	Jill S. Jeffress		Date	Received: 3/23/2022	
Reviewed by:	Misty Stephens		Re	ceived by: csj	
Reviewed Date:	3/24/2022		Car	rier name: FedEx	
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present	
Custody seals intact on all s	hipping container(s)/cooler(s)?	Yes 🗸	No 🗌	Not Present	
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present ✓	
Chain of custody present?		Yes 🔽	No 🗌		
Chain of custody signed who	en relinquished and received?	Yes 🔽	No 🗌		
Chain of custody agrees with	n sample labels?	Yes 🔽	No 🗌		
Samples in proper container	/bottle?	Yes 🔽	No 🗌		
Sample containers intact?		Yes 🔽	No 🗌		
Sufficient sample volume for	indicated test?	Yes 🗹	No 🗌		
All samples received within h (Exclude analyses that are c such as pH, DO, Res CI, Su	onsidered field parameters	Yes ✓	No 🗌		
Temp Blank received in all s	hipping container(s)/cooler(s)?	Yes 🗌	No 🗌	Not Applicable 🔽	
Container/Temp Blank tempo	erature:	°C			
Containers requiring zero he bubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted	
Water - pH acceptable upon	receipt?	Yes 🗌	No 🗌	Not Applicable 🗹	

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.

Contact and Corrective Action Comments:

None

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you

Relinquished By
Relinquished By
Relinquished By

Date Date

Time:

Received By

Dak

Time

HARDCOPY (extra cost)

ONLINE

POR LAB USE ONLY

TAT

Standard 17

RUSH

Next BD

2nd BD

Jid BD []

Comments

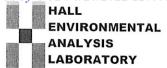
Temp of samples

Attempt to Cool *

HALL ENVIRONMENTAL ANALYSIS LABORATORY	CHAIN OF CUSTODY RECORD	TODY I	ÆCORD PAGE	1 06:	Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque NM 8-109 TEL, 505-345-3975 FAX 505-345-4107 Website clients hallenvironmental com
SUB CONTRATOR Energy Labs-Gillette COMPANY	Energy Laboratories	ies	PHONE	(866) 686-7175	FAX
ADDRESS 400 W Boxelder Rd		I	ACCOUNT#		EMAIL
CTTV, STATE, ZIP Gillette, WY 82718					
ITEM SAMPLE CLENT SAMPLE ID	BOTTLE Type	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1 2203996-001A SVE	TEDLAR	Air	3/16/2022 9-45:00 AM	1 Natural Gases 02, CO2	

623030398

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

	Cottonwood Consulting LC	Work Order Numb	per: 2203996		RcptNo: 1	1
Received By:	Cheyenne Cason	3/18/2022 8:05:00	AM	Chel		
Completed By: Reviewed By:	Sean Livingston 2 <i>3-19-</i> 72	3/18/2022 8:43:55 A	AM	Chul S.L.	John	
Chain of Custo 1. Is Chain of Custo 2. How was the sa	tody complete?		Yes 🗹	No 🗌	Not Present	
<u>Log In</u> 3. Was an attempt	made to cool the samples?		Yes 🗌	No 🗆	NA 🗹	
4. Were all sample	s received at a temperature	of >0° C to 6.0°C	Yes	No 🗌	NA 🔽	
5. Sample(s) in pro	oper container(s)?		Yes 🗸	No 🗌		
	e volume for indicated test(s		Yes 🗹	No 🗌		
5-1 00-701 NOV	cept VOA and ONG) proper	ly preserved?	Yes 🔽	No 🗌	🗖	
8. Was preservative	e added to bottles?		Yes 🔲	No 🔽	NA 📙	
9. Received at leas	t 1 vial with headspace <1/4	" for AQ VOA?	Yes	No 🗌	NA 🗸	
10. Were any sampl	le containers received broke	n?	Yes	No 🗸	# of preserved	
11. Does paperwork (Note discrepand	match bottle labels? cies on chain of custody)		Yes 🗸	No 🗆	bottles checked for pH: (<2 or >1	2 unless noted)
12. Are matrices cor	rectly identified on Chain of	Custody?	Yes 🗸	No 🗆	Adjusted?	
	nalyses were requested?		Yes 🗸	No 🗌		11.1/2-
	times able to be met? omer for authorization.)		Yes 🔽	No 🗆	Checked by: 5/1	3/18/22
Special Handlin	g (if applicable)					
15. Was client notific	ed of all discrepancies with	this order?	Yes	No 🗌	NA 🗹	
Person No	otified:	Date:		MARK CONCURRENCE NO MARKETY		
By Whom:	positivismos organización de la companyación de la	Via:	eMail F	hone 🗌 Fax	☐ In Person	
Regarding Client Inst	7					
16. Additional rema	rks:		V			
17. Cooler Informa Cooler No	ation	eal Intact Seal No	Seal Date	Signed By		

	hain	J-01-C	Chain-of-Custody Record	Turn-Around Time:	Time:					,								
Client:		ottonwo	Cottonwood Consulting LLC	Standard	□ Rush	_		ПГ] {	HALL ENVI		ō s		Z	Z	. >	
				Project Name	 0						<u>.</u>			LABORAIORY	<u> </u>	<u>r</u>		
Mailing	Mailing Address:	Š.	PO Box 1653	Jacquez GC B #003E	#003E		490	Z H	www.ng	м. П	enviro Virilo	www.nailenvironmental.com	al.co	E 5	8			
		Durango,	o, CO 81302	Project #:			- F	705	505_345_3975	17 107.5	ביים בי	Fax 606 246 4407	ָה, אַ אַר אַנ	101	20			
Phone	#: 970-7	Phone #: 970-764-7356						200	040	Ar	alvsig	Analysis Reguest	lest	4107				51 63
email o	r Fax#:	ksiesser@	email or Fax#: ksiesser@cottonwoodconsulting.com	Project Manager:	iger:			_			VC.		(1	_			_	0.000
QA/QC	QA/QC Package:	.,		Kyle Siesser	er		JAN	s,e	SI)e "		uəs					
Standard Standard	dard		☐ Level 4 (Full Validation)	•			1/0	LCE	NIS				dΑ\t	-				
Accreditation:	tation:	□ Az Cα	☐ Az Compliance	Sampler: Em	Emma Millar		AO.				٥٢,		uəs					
	AC	□ Other		On Ice:	□ Yes	No No	0				NI .	-	Pre					
	EDD (Type)			# of Coolers:	-		A9			-	O3') w			-		
				Cooler Temp(including CF):	7	4	2D(-		-ime	ifori				-	
	i			Container	Preservative	HEAL No.	H:801	81 Pe	B (Me	8 AA:	E, Br	98) 02	3) Col					
Date	Lime	_	ame	Type and #	Type	2203994	qТ	_				827	CC	05				-
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33	1337	2		/ Jours	h Ward	22 1337	please cc emillar@cottonwoodconsulting.com	c en	nillar(a)cot	tonw	opqc	onsu	Ilting	,con	_		
)ate: 7	Time:	Relinquished by:		Received by:	Via:	Daté Time))				
2/1/22/1806	180	Chr. L	Waller	In I	sen 3	18/24 GBS												
H	necessary	samples subr	If necessary samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	ntracted to other acc	credited laboratories	s. This serves as notice of this p	ossibility. An	y sub-c	ontracted	data w	Il be clea	arly notat	ed on th	ne analy	tical rep	ort.		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 134653

CONDITIONS

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	134653
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	None	10/16/2023