COTTONWOOD CONSULTING LLC

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : SIMCOE LLC

GCU # 204E - BLOW PIT
UNIT I, SEC. 34, T28N, R12W

LABORATORY (S) USED : GAL

Date : 3/28/24

DEVELOPER / SAMPLER : KO DS

WELL #	WELL ELEV. (ft)	WATER ELEV. (ft)	DEPTH TO WATER (ft)	TOTAL DEPTH (ft)	SAMPLING TIME	pH	CONDUCT (umhos)	TEMP. (celcius)	VOLUME PURGED (gal.)
1	103.89	5.09	21.91	27.00	-	-	-	-	-
2R	99.42	3.8	18.85	22.65	-	-	-	-	-
3	95.65	9.18	15.82	25.00	-	-	-	-	-
3-SH	96.52	-	-	17.50	-	-	-	-	-
4	98.62	4.13	17.81	21.94	-	-	-	-	-
4-SH	98.59	-	-	17.50	-	-	-	-	-
5	95.96	6.5	15.28	21.78	1040	7.84	1415	13.9	3
5-SH	95.77	-	-	16.50	-	-	-	-	-
6	96.87	-	-	23.00	-	-	-	-	-
7	-	-	-	19.22	-	-	-	-	-

NOTES : Volume of water purged from well prior to sampling: V = pi x r^2 x h x 7.48 gal./ft^3) x 3 (wellbores).
(i.e. 2" MW r = (1/12) ft. h = 1 ft.) (i.e. 4" MW r = (2/12) ft. h = 1 ft.)

Ideally a minimum of three (3) wellbore volumes: 2.00" well diameter = 0.49 gal./ft. of water.

Comments or note well diameter if not standard 2".

ORC sock in MW #1, #2R, #5, #5-SH.

Top of casing MW # 1 ~ 2.40 ft., MW # 2R ~ 2.23 ft., MW # 3 ~ 2.30 ft., MW # 4 ~ 2.63 ft., MW # 5 ~ 2.25 ft., MW # 6 ~ 3.00 ft., MW # 3-SH ~ 2.50 ft., MW # 4-SH ~ 2.50 ft., MW # 5-SH ~ 2.50 ft. above grade.

on-site	0930	temp	45°F
off-site	1045	temp	45°F
sky cond.	Clear		
wind speed	0-5 mph	direct.	SW

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
jeremy.allen@greenanalytical.com

09 April 2024

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: GCU #204E

Enclosed are the results of analyses for samples received by the laboratory on 03/28/24 15:05. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

Veronica Wells
Project Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C24-00019

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: T104704398-23-16

Table of Contents

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/09/24 08:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #5	2403239-01	Water	03/28/24 10:40	03/28/24 15:05	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/09/24 08:30

MW #5

2403239-01 (Ground Water)
Sampled Date: 03/28/24 10:40

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

Volatile Organic Compounds by EPA Method 8021

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Benzene*	**0.292**	0.005	0.002	mg/L	5	04/08/24 14:17	8021B		JH
Ethylbenzene*	**0.247**	0.005	0.001	mg/L	5	04/08/24 14:17	8021B		JH
Toluene*	<0.005	0.005	0.001	mg/L	5	04/08/24 14:17	8021B		JH
Total BTEX	**1.79**	0.030	0.005	mg/L	5	04/08/24 14:17	8021B	GC-NC1	JH
Total Xylenes*	**1.25**	0.015	0.004	mg/L	5	04/08/24 14:17	8021B	GC-NC1	JH
Surrogate: 4-Bromofluorobenzene (PID)			*93.5 %*	*77.5-125*		*04/08/24 14:17*	*8021B*		JH

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/09/24 08:30

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040228 - Volatiles										
Blank (4040228-BLK1)				Prepared: 04/02/24 Analyzed: 04/08/24						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0470*		mg/L	*0.0500*		*93.9*	*77.5-125*			
Benzene	ND	0.001	mg/L							
Ethylbenzene	ND	0.001	mg/L							
Toluene	ND	0.001	mg/L							
Total BTEX	ND	0.006	mg/L							
Total Xylenes	ND	0.003	mg/L							
LCS (4040228-BS1)				Prepared: 04/02/24 Analyzed: 04/08/24						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0470*		mg/L	*0.0500*		*94.0*	*77.5-125*			
Benzene	0.021	0.001	mg/L	0.0200		106	80.8-112			
Ethylbenzene	0.021	0.001	mg/L	0.0200		105	70.9-120			
m,p-Xylene	0.040	0.002	mg/L	0.0400		101	76.9-119			
o-Xylene	0.021	0.001	mg/L	0.0200		104	71.7-120			
Toluene	0.021	0.001	mg/L	0.0200		105	78.7-114			
Total Xylenes	0.061	0.003	mg/L	0.0600		102	75.6-119			
LCS Dup (4040228-BSD1)				Prepared: 04/02/24 Analyzed: 04/08/24						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0473*		mg/L	*0.0500*		*94.5*	*77.5-125*			
Benzene	0.021	0.001	mg/L	0.0200		107	80.8-112	1.27	8.26	
Ethylbenzene	0.021	0.001	mg/L	0.0200		105	70.9-120	0.0523	11.9	
m,p-Xylene	0.040	0.002	mg/L	0.0400		100	76.9-119	0.333	11	
o-Xylene	0.021	0.001	mg/L	0.0200		103	71.7-120	0.934	15	
Toluene	0.021	0.001	mg/L	0.0200		106	78.7-114	0.634	9.03	
Total Xylenes	0.061	0.003	mg/L	0.0600		101	75.6-119	0.537	12.2	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/09/24 08:30

Notes and Definitions

GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/09/24 08:30

Qualifier Summary

LabNumber	Analysis	Analyte	Qualifier	TextBody
2403239-01	BTEX 8021B	Total BTEX	GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
2403239-01	BTEX 8021B	Total Xylenes	GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

GAL Analytical Laboratories
75 Suttle Street
Durango, CO 81303
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006, R 8.0

Note: Wite-Out™ or similar products cannot be used on the Chain of Custody

Company or Client:	Cottonwood Consulting LLC
Address:	PO Box 1653
City:	Durango **State:** CO **Zip:** 81302
Phone #:	970-764-7356
Contact Person:	Kyle Siesser
Email Report to:	ksiesser@cottonwoodconsulting.com
Project Name(optional):	GCU #204E
Sampler Name (Print):	Kelsey O'Brien

Bill to (if different):

P.O. #:

Rush? Y ☐ N ☐ TAT Needed?

Lab I.D. (Lab Use Only)	Sample Name or Location	Collected Date	Collected Time	Matrix: GROUNDWATER	SURFACE WATER	WASTEWATER	PRODUCED WATER	DRINKING WATER	SOIL	OTHER:	# of containers: No preservation	Nitric Acid	Hydrochloric Acid	Sulfuric Acid	Sodium Hydroxide	OTHER:	ANALYSIS REQUEST: BTEX (EPA Method 8012B)
2403-239																	
01	1) MW #5	3/28/24	1040	✓									4				✓
	2)																
	3)																
	4)																
	5)																
	6)																
	7)																
	8)																
	9)																
	10)																

Relinquished By:	Date: 03/28/24 Time: 1505	**Received By:**	Date: 3.28 Time: 1505	ADDITIONAL REMARKS:
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	Temperature at receipt: 12.7 °C; Checked by: MRM; On Ice? (Y) N; Therm. used: laser 2

† GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com

* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

Analytical Laboratories

SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood Consulting Work Order # 2403-239

Courier: ☐Fed Ex ☐UPS ☐USPS ☑Client ☐ Kangaroo ☐ Third Party ☐Other

Custody Seals on Box/Cooler Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☐ No

Thermometer Used: #2 Samples on ice, cooling process has begun: ☑ Yes ☐ No

Type of Ice: ☑Wet ☐ Blue ☐ None

Cooler Temp: Observed Temp: 2.7 °C Correction Factor: 0 °C Final Temp: 2.7 °C

Date/Initials of person examining contents: 3/28/24 CDV

Labeled by initials: _____ (if different than above)

*Temp should be above freezing to 6°C

Chain of Custody Present:	☑Yes ☐No	1.
Chain of Custody Filled Out:	☑Yes ☐No	2.
Chain of Custody Relinquished:	☑Yes ☐No	3.
Sampler Name and Signature on COC:	☑Yes ☐No	4.
Samples arrived within hold time:	☑Yes ☐No	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume:	☑Yes ☐No	8.
Correct Containers Used:	☑Yes ☐No	9.
Containers Intact:	☑Yes ☐No	10.
Dissolved Testing Needed: Field Filtered: ☐Yes ☐No	☐Yes ☑No	11.
Sample Labels match COC: -Includes Date/Time/ID	☑Yes ☐No	12.
Matrix:	WT SL OT	
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present:	☐Yes ☐No ☑N/A	

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

FORM-039, Rev 2

Page 1 of 1

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
jeremy.allen@greenanalytical.com

25 June 2024

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: GCU #204E

Enclosed are the results of analyses for samples received by the laboratory on 06/13/24 09:20. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

Veronica Wells
Project Manager

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Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C24-00112

Table of Contents

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/25/24 16:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #5	2406167-01	Water	06/12/24 09:10	06/13/24 09:20	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/25/24 16:47

MW #5

2406167-01 (Ground Water)
Sampled Date: 06/12/24 09:10

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

Volatile Organic Compounds by EPA Method 8021

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Benzene*	**0.488**	0.020	0.007	mg/L	20	06/24/24 13:41	8021B		JH
Ethylbenzene*	**0.379**	0.020	0.005	mg/L	20	06/24/24 13:41	8021B		JH
Toluene*	<0.020	0.020	0.006	mg/L	20	06/24/24 13:41	8021B		JH
Total BTEX	**3.03**	0.120	0.020	mg/L	20	06/24/24 13:41	8021B		JH
Total Xylenes*	**2.17**	0.060	0.016	mg/L	20	06/24/24 13:41	8021B		JH
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*77.5-125*		*06/24/24 13:41*	*8021B*		JH

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/25/24 16:47

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4062033 - Volatiles										
Blank (4062033-BLK1)				Prepared: 06/20/24 Analyzed: 06/24/24						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0492*		mg/L	*0.0500*		*98.5*	*77.5-125*			
Benzene	ND	0.001	mg/L							
Ethylbenzene	ND	0.001	mg/L							
Toluene	ND	0.001	mg/L							
Total BTEX	ND	0.006	mg/L							
Total Xylenes	ND	0.003	mg/L							
LCS (4062033-BS1)				Prepared: 06/20/24 Analyzed: 06/24/24						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0517*		mg/L	*0.0500*		*103*	*77.5-125*			
Benzene	0.019	0.001	mg/L	0.0200		92.8	80.8-112			
Ethylbenzene	0.020	0.001	mg/L	0.0200		99.1	70.9-120			
m,p-Xylene	0.038	0.002	mg/L	0.0400		96.2	76.9-119			
o-Xylene	0.019	0.001	mg/L	0.0200		97.4	71.7-120			
Toluene	0.019	0.001	mg/L	0.0200		94.8	78.7-114			
Total Xylenes	0.058	0.003	mg/L	0.0600		96.6	75.6-119			
LCS Dup (4062033-BSD1)				Prepared: 06/20/24 Analyzed: 06/24/24						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0490*		mg/L	*0.0500*		*97.9*	*77.5-125*			
Benzene	0.020	0.001	mg/L	0.0200		99.3	80.8-112	6.83	8.26	
Ethylbenzene	0.020	0.001	mg/L	0.0200		102	70.9-120	2.82	11.9	
m,p-Xylene	0.039	0.002	mg/L	0.0400		98.3	76.9-119	2.24	11	
o-Xylene	0.020	0.001	mg/L	0.0200		99.9	71.7-120	2.51	15	
Toluene	0.020	0.001	mg/L	0.0200		99.3	78.7-114	4.66	9.03	
Total Xylenes	0.059	0.003	mg/L	0.0600		98.9	75.6-119	2.33	12.2	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/25/24 16:47

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

GREEN Analytical Laboratories
75 Suttle Street
Durango, CO 81303
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006, R 8.0

Note: Wite-Out™ or similar products cannot be used on the Chain of Custody

Company or Client:	Cottonwood Consulting LLC
Address:	PO Box 1653
City:	Durango **State:** CO **Zip:** 81302
Phone #:	970-764-7356
Contact Person:	Kyle Siesser
Email Report to:	ksiesser@cottonwoodconsulting.com
Project Name(optional):	GCU #204E
Sampler Name (Print):	Kelsey O'Brien

Bill to (if different):

P.O. #:

Rush? Y ☐ N ☐ TAT Needed?

ANALYSIS REQUEST

Lab I.D. (Lab Use Only)	Sample Name or Location	Collected Date	Collected Time	Matrix: GROUNDWATER	SURFACE WATER	WASTEWATER	PRODUCED WATER	DRINKING WATER	SOIL	OTHER:	# of containers: No preservation	Nitric Acid	Hydrochloric Acid	Sulfuric Acid	Sodium Hydroxide	OTHER:	BTEX (EPA Method 8021B)
2406167 01 MRN 6.13	1) MW #5	6/12/24	0910	X									4				X
	2)																
	3)																
	4)																
	5)																
	6)																
	7)																
	8)																
	9)																
	10)																

Relinquished By:	Date: 6/12/24 Time: 1700	**Received By:**	Date: Time:	ADDITIONAL REMARKS:
Relinquished By:	Date: 6/12/24 Time: 0915	**Received By:**	Date: 6.13.24 Time: 0920	
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	Temperature at receipt: 4.9 °C; Checked by: MRN; On Ice? (Y) N; Therm. used: Laser 2

† GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com

* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

GAL Analytical Laboratories

SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood Consulting **Work Order #** 2406-167

Courier: ☐Fed Ex ☐UPS ☐USPS ☑Client ☐ Kangaroo ☐ Third Party ☐Other

Custody Seals on Box/Cooler Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☐ No

Thermometer Used: #2 Samples on ice, cooling process has begun: ☑ Yes ☐ No

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: Observed Temp: 4.9 °C Correction Factor: 0 °C Final Temp: 4.9 °C

*Temp should be above freezing to 6°C

Date/Initials of person examining contents: CM 6.13.24

Labeled by initials: _____ (if different than above)

Chain of Custody Present:	☑Yes ☐No	1.
Chain of Custody Filled Out:	☑Yes ☐No	2.
Chain of Custody Relinquished:	☑Yes ☐No	3.
Sampler Name and Signature on COC:	☑Yes ☐No	4.
Samples arrived within hold time:	☑Yes ☐No	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume:	☑Yes ☐No	8.
Correct Containers Used:	☑Yes ☐No	9.
Containers Intact:	☑Yes ☐No	10. Lrg bubbles in 01, 03, 04
Dissolved Testing Needed: Field Filtered: ☐Yes ☐No	☐Yes ☑No	11.
Sample Labels match COC: -Includes Date/Time/ID	☑Yes ☐No	12.
Matrix:	☑GW SL OT	
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present:	☐Yes ☐No ☑N/A	

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

FORM-039, Rev 2

Page 1 of 1

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
jeremy.allen@greenanalytical.com

26 September 2024

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: GCU #204E

Enclosed are the results of analyses for samples received by the laboratory on 09/17/24 16:20. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

Veronica Wells
Project Manager

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Table of Contents

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 15:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #5	2409203-01	Water	09/17/24 10:20	09/17/24 16:20	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 15:42

MW #5

2409203-01 (Ground Water)
Sampled Date: 09/17/24 10:20

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
1,1,1,2-Tetrachloroethane*	<0.025	0.025	0.003	mg/L	50	09/25/24 16:28	8260B		MS
1,1,1-Trichloroethane*	<0.025	0.025	0.003	mg/L	50	09/25/24 16:28	8260B		MS
1,1,2,2-Tetrachloroethane*	<0.025	0.025	0.003	mg/L	50	09/25/24 16:28	8260B		MS
1,1,2-Trichloroethane*	<0.025	0.025	0.003	mg/L	50	09/25/24 16:28	8260B		MS
1,1-Dichloroethane*	<0.025	0.025	0.008	mg/L	50	09/25/24 16:28	8260B		MS
1,1-Dichloroethene*	<0.025	0.025	0.009	mg/L	50	09/25/24 16:28	8260B		MS
1,1-Dichloropropene*	<0.025	0.025	0.008	mg/L	50	09/25/24 16:28	8260B		MS
1,2,3-Trichlorobenzene*	<0.025	0.025	0.012	mg/L	50	09/25/24 16:28	8260B		MS
1,2,4-Trichlorobenzene*	<0.025	0.025	0.006	mg/L	50	09/25/24 16:28	8260B		MS
1,2,4-Trimethylbenzene*	**0.149**	0.025	0.002	mg/L	50	09/25/24 16:28	8260B		MS
1,2-Dibromo-3-chloropropane*	<0.025	0.025	0.025	mg/L	50	09/25/24 16:28	8260B		MS
1,2-Dibromoethane*	<0.025	0.025	0.005	mg/L	50	09/25/24 16:28	8260B		MS
1,2-Dichlorobenzene*	<0.025	0.025	0.003	mg/L	50	09/25/24 16:28	8260B		MS
1,2-Dichloroethane*	<0.025	0.025	0.003	mg/L	50	09/25/24 16:28	8260B		MS
1,2-Dichloropropane*	<0.025	0.025	0.004	mg/L	50	09/25/24 16:28	8260B		MS
1,3,5-Trimethylbenzene*	**0.087**	0.025	0.002	mg/L	50	09/25/24 16:28	8260B		MS
1,3-Dichlorobenzene*	<0.025	0.025	0.002	mg/L	50	09/25/24 16:28	8260B		MS
1,3-Dichloropropane*	<0.025	0.025	0.007	mg/L	50	09/25/24 16:28	8260B		MS
1,4-Dichlorobenzene	<0.025	0.025	0.002	mg/L	50	09/25/24 16:28	8260B		MS
1,4-Dioxane	<0.500	0.500	0.500	mg/L	50	09/25/24 16:28	8260B		MS
1.2.3-trichloropropane*	<0.025	0.025	0.006	mg/L	50	09/25/24 16:28	8260B		MS
2,2-Dichloropropane*	<0.025	0.025	0.025	mg/L	50	09/25/24 16:28	8260B		MS
2-Butanone*	<0.100	0.100	0.100	mg/L	50	09/25/24 16:28	8260B		MS
2-Chlorotoluene*	<0.025	0.025	0.002	mg/L	50	09/25/24 16:28	8260B		MS
2-Hexanone*	<0.050	0.050	0.016	mg/L	50	09/25/24 16:28	8260B		MS
4-Chlorotoluene*	<0.025	0.025	0.002	mg/L	50	09/25/24 16:28	8260B		MS
4-Methyl-2-pentanone*	<0.050	0.050	0.006	mg/L	50	09/25/24 16:28	8260B		MS
Acetone*	<0.500	0.500	0.043	mg/L	50	09/25/24 16:28	8260B		MS
Acrolein*	<0.250	0.250	0.054	mg/L	50	09/25/24 16:28	8260B		MS
Acrylonitrile*	<0.100	0.100	0.040	mg/L	50	09/25/24 16:28	8260B		MS

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 15:42

MW #5

2409203-01 (Ground Water)
Sampled Date: 09/17/24 10:20

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Benzene*	**0.351**	0.025	0.002	mg/L	50	09/25/24 16:28	8260B		MS
Bromobenzene*	<0.025	0.025	0.003	mg/L	50	09/25/24 16:28	8260B		MS
Bromochloromethane*	<0.025	0.025	0.007	mg/L	50	09/25/24 16:28	8260B		MS
Bromodichloromethane*	<0.025	0.025	0.002	mg/L	50	09/25/24 16:28	8260B		MS
Bromoform*	<0.025	0.025	0.004	mg/L	50	09/25/24 16:28	8260B		MS
Bromomethane*	<0.025	0.025	0.025	mg/L	50	09/25/24 16:28	8260B		MS
Carbon disulfide*	<0.050	0.050	0.007	mg/L	50	09/25/24 16:28	8260B		MS
Carbon tetrachloride*	<0.025	0.025	0.008	mg/L	50	09/25/24 16:28	8260B		MS
Chlorobenzene*	<0.025	0.025	0.002	mg/L	50	09/25/24 16:28	8260B		MS
Chloroethane*	<0.025	0.025	0.025	mg/L	50	09/25/24 16:28	8260B		MS
Chloroform*	<0.025	0.025	0.0008	mg/L	50	09/25/24 16:28	8260B		MS
Chloromethane*	<0.025	0.025	0.025	mg/L	50	09/25/24 16:28	8260B		MS
cis-1,2-Dichloroethene*	<0.025	0.025	0.012	mg/L	50	09/25/24 16:28	8260B		MS
cis-1,3-Dichloropropene*	<0.025	0.025	0.004	mg/L	50	09/25/24 16:28	8260B		MS
Dibromochloromethane*	<0.025	0.025	0.004	mg/L	50	09/25/24 16:28	8260B		MS
Dibromomethane*	<0.025	0.025	0.008	mg/L	50	09/25/24 16:28	8260B		MS
Dichlorodifluoromethane*	<0.025	0.025	0.025	mg/L	50	09/25/24 16:28	8260B		MS
Ethylbenzene*	**0.376**	0.025	0.002	mg/L	50	09/25/24 16:28	8260B		MS
Hexachlorobutadiene*	<0.025	0.025	0.025	mg/L	50	09/25/24 16:28	8260B		MS
Iodomethane	<0.050	0.050	0.003	mg/L	50	09/25/24 16:28	8260B		MS
Isopropylbenzene*	<0.025	0.025	0.001	mg/L	50	09/25/24 16:28	8260B		MS
m+p - Xylene*	**2.42**	0.050	0.004	mg/L	50	09/25/24 16:28	8260B		MS
Methyl tert-butyl ether	<0.050	0.050	0.012	mg/L	50	09/25/24 16:28	8260B		MS
Methylene chloride*	<0.025	0.025	0.025	mg/L	50	09/25/24 16:28	8260B		MS
Naphthalene*	**0.068**	0.025	0.004	mg/L	50	09/25/24 16:28	8260B		MS
n-Butylbenzene*	<0.025	0.025	0.003	mg/L	50	09/25/24 16:28	8260B		MS
n-Propylbenzene*	<0.025	0.025	0.003	mg/L	50	09/25/24 16:28	8260B		MS
o-Xylene*	<0.025	0.025	0.006	mg/L	50	09/25/24 16:28	8260B		MS
p-Isopropyltoluene*	<0.025	0.025	0.002	mg/L	50	09/25/24 16:28	8260B		MS
sec-Butylbenzene*	<0.025	0.025	0.002	mg/L	50	09/25/24 16:28	8260B		MS
Styrene*	<0.025	0.025	0.006	mg/L	50	09/25/24 16:28	8260B		MS
tert-Butylbenzene*	<0.025	0.025	0.004	mg/L	50	09/25/24 16:28	8260B		MS

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Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 15:42

MW #5

2409203-01 (Ground Water)
Sampled Date: 09/17/24 10:20

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Tetrachloroethene*	<0.025	0.025	0.005	mg/L	50	09/25/24 16:28	8260B		MS
Toluene*	<0.025	0.025	0.004	mg/L	50	09/25/24 16:28	8260B		MS
Total Xylenes*	**2.42**	0.050	0.010	mg/L	50	09/25/24 16:28	8260B		MS
trans-1,2-Dichloroethene*	<0.025	0.025	0.007	mg/L	50	09/25/24 16:28	8260B		MS
trans-1,3-Dichloropropene*	<0.025	0.025	0.002	mg/L	50	09/25/24 16:28	8260B		MS
trans-1,4-Dichloro-2-butene	<0.500	0.500	0.014	mg/L	50	09/25/24 16:28	8260B		MS
Trichloroethene*	<0.025	0.025	0.009	mg/L	50	09/25/24 16:28	8260B		MS
Trichlorofluoromethane*	<0.025	0.025	0.007	mg/L	50	09/25/24 16:28	8260B		MS
Vinyl acetate*	<0.025	0.025	0.025	mg/L	50	09/25/24 16:28	8260B		MS
Vinyl chloride*	<0.025	0.025	0.025	mg/L	50	09/25/24 16:28	8260B		MS
Surrogate: 4-Bromofluorobenzene			*99.1 %*	*76.4-114*		*09/25/24 16:28*	*8260B*		MS
Surrogate: Dibromofluoromethane			*106 %*	*82.4-141*		*09/25/24 16:28*	*8260B*		MS
Surrogate: Toluene-d8			*105 %*	*87.1-110*		*09/25/24 16:28*	*8260B*		MS

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 15:42

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4091935 - Volatiles										
Blank (4091935-BLK1)			Prepared: 09/19/24 Analyzed: 09/24/24							
1,1,1,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,1-Trichloroethane	ND	0.0005	mg/L							
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,2-Trichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethene	ND	0.0005	mg/L							
1,1-Dichloropropene	ND	0.0005	mg/L							
1,2,3-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trimethylbenzene	ND	0.0005	mg/L							
1,2-Dibromo-3-chloropropane	ND	0.0005	mg/L							
1,2-Dibromoethane	ND	0.0005	mg/L							
1,2-Dichlorobenzene	ND	0.0005	mg/L							
1,2-Dichloroethane	ND	0.0005	mg/L							
1,2-Dichloropropane	ND	0.0005	mg/L							
1,3,5-Trimethylbenzene	ND	0.0005	mg/L							
1,3-Dichlorobenzene	ND	0.0005	mg/L							
1,3-Dichloropropane	ND	0.0005	mg/L							
1,4-Dichlorobenzene	ND	0.0005	mg/L							
1,4-Dioxane	ND	0.010	mg/L							
1.2.3-trichloropropane	ND	0.0005	mg/L							
2,2-Dichloropropane	ND	0.0005	mg/L							
2-Butanone	ND	0.002	mg/L							
2-Chlorotoluene	ND	0.0005	mg/L							
2-Hexanone	ND	0.001	mg/L							
Surrogate: 4-Bromofluorobenzene	*0.0246*		mg/L	*0.0250*		*98.4*	*76.4-114*			
4-Chlorotoluene	ND	0.0005	mg/L							
4-Methyl-2-pentanone	ND	0.001	mg/L							
Acetone	ND	0.010	mg/L							
Acrolein	ND	0.005	mg/L							
Acrylonitrile	ND	0.002	mg/L							
Benzene	ND	0.0005	mg/L							
Bromobenzene	ND	0.0005	mg/L							
Bromochloromethane	ND	0.0005	mg/L							
Bromodichloromethane	ND	0.0005	mg/L							
Bromoform	ND	0.0005	mg/L							

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 15:42

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4091935 - Volatiles (Continued)										
Blank (4091935-BLK1) (Continued)			Prepared: 09/19/24 Analyzed: 09/24/24							
Bromomethane	ND	0.0005	mg/L							
Carbon disulfide	ND	0.001	mg/L							
Carbon tetrachloride	ND	0.0005	mg/L							
Chlorobenzene	ND	0.0005	mg/L							
Chloroethane	ND	0.0005	mg/L							
Chloroform	ND	0.0005	mg/L							
Chloromethane	ND	0.0005	mg/L							
cis-1,2-Dichloroethene	ND	0.0005	mg/L							
cis-1,3-Dichloropropene	ND	0.0005	mg/L							
Dibromochloromethane	ND	0.0005	mg/L							
Surrogate: Dibromofluoromethane	*0.0254*		mg/L	*0.0250*		*102*	*82.4-141*			
Dibromomethane	ND	0.0005	mg/L							
Dichlorodifluoromethane	ND	0.0005	mg/L							
Ethylbenzene	ND	0.0005	mg/L							
Hexachlorobutadiene	ND	0.0005	mg/L							
Iodomethane	ND	0.001	mg/L							
Isopropylbenzene	ND	0.0005	mg/L							
m+p - Xylene	ND	0.001	mg/L							
Methyl tert-butyl ether	ND	0.001	mg/L							
Methylene chloride	ND	0.0005	mg/L							
Naphthalene	ND	0.0005	mg/L							
n-Butylbenzene	ND	0.0005	mg/L							
n-Propylbenzene	ND	0.0005	mg/L							
o-Xylene	ND	0.0005	mg/L							
p-Isopropyltoluene	ND	0.0005	mg/L							
sec-Butylbenzene	ND	0.0005	mg/L							
Styrene	ND	0.0005	mg/L							
tert-Butylbenzene	ND	0.0005	mg/L							
Tetrachloroethene	ND	0.0005	mg/L							
Toluene	ND	0.0005	mg/L							
Surrogate: Toluene-d8	*0.0249*		mg/L	*0.0250*		*99.7*	*87.1-110*			
Total Xylenes	ND	0.001	mg/L							
trans-1,2-Dichloroethene	ND	0.0005	mg/L							
trans-1,3-Dichloropropene	ND	0.0005	mg/L							
trans-1,4-Dichloro-2-butene	ND	0.010	mg/L							
Trichloroethene	ND	0.0005	mg/L							
Trichlorofluoromethane	ND	0.0005	mg/L							
Vinyl acetate	ND	0.0005	mg/L							
Vinyl chloride	ND	0.0005	mg/L							

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 15:42

VOLATILES BY GC/MS - Quality Control
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4091935 - Volatiles (Continued)										
LCS (4091935-BS1)			Prepared: 09/19/24 Analyzed: 09/24/24							
1,1,1,2-Tetrachloroethane	0.017	0.0005	mg/L	0.0200		87.2	82.4-120			
1,1,1-Trichloroethane	0.019	0.0005	mg/L	0.0200		95.6	80.7-121			
1,1,2,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		105	76.5-121			
1,1,2-Trichloroethane	0.019	0.0005	mg/L	0.0200		93.4	81.7-118			
1,1-Dichloroethane	0.020	0.0005	mg/L	0.0200		100	74.8-123			
1,1-Dichloroethene	0.021	0.0005	mg/L	0.0200		105	53.9-149			
1,1-Dichloropropene	0.020	0.0005	mg/L	0.0200		100	85.9-115			
1,2,3-Trichlorobenzene	0.023	0.0005	mg/L	0.0200		114	76.1-134			
1,2,4-Trichlorobenzene	0.023	0.0005	mg/L	0.0200		117	72.4-136			
1,2,4-Trimethylbenzene	0.022	0.0005	mg/L	0.0200		112	67.4-138			
1,2-Dibromo-3-chloropropane	0.021	0.0005	mg/L	0.0200		106	71.7-124			
1,2-Dibromoethane	0.020	0.0005	mg/L	0.0200		100	84.9-116			
1,2-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		97.8	82.5-119			
1,2-Dichloroethane	0.018	0.0005	mg/L	0.0200		87.8	72.5-123			
1,2-Dichloropropane	0.021	0.0005	mg/L	0.0200		105	79.4-117			
1,3,5-Trimethylbenzene	0.022	0.0005	mg/L	0.0200		110	69-137			
1,3-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		97.6	84.4-120			
1,3-Dichloropropane	0.020	0.0005	mg/L	0.0200		101	82.6-117			
1,4-Dichlorobenzene	0.019	0.0005	mg/L	0.0200		96.4	81.7-118			
1,4-Dioxane	0.350	0.010	mg/L	0.400		87.4	-34.6-193			
1.2.3-trichloropropane	0.023	0.0005	mg/L	0.0200		116	44.7-168			
2,2-Dichloropropane	0.015	0.0005	mg/L	0.0200		73.0	62.9-136			
2-Butanone	0.036	0.002	mg/L	0.0400		89.1	24.1-159			
2-Chlorotoluene	0.021	0.0005	mg/L	0.0200		107	80.2-121			
2-Hexanone	0.036	0.001	mg/L	0.0400		90.8	56.3-139			
Surrogate: 4-Bromofluorobenzene	*0.0251*		mg/L	*0.0250*		*101*	*76.4-114*			
4-Chlorotoluene	0.022	0.0005	mg/L	0.0200		111	82.2-125			
4-Methyl-2-pentanone	0.041	0.001	mg/L	0.0400		103	60.7-139			
Acetone	0.045	0.010	mg/L	0.0400		112	39.1-168			
Acrolein	0.185	0.005	mg/L	0.200		92.7	26.6-161			
Acrylonitrile	0.041	0.002	mg/L	0.0400		103	64.9-135			
Benzene	0.020	0.0005	mg/L	0.0200		98.6	69.4-129			
Bromobenzene	0.020	0.0005	mg/L	0.0200		98.4	83.5-115			
Bromochloromethane	0.020	0.0005	mg/L	0.0200		101	70.7-123			
Bromodichloromethane	0.020	0.0005	mg/L	0.0200		97.7	80.3-119			
Bromoform	0.019	0.0005	mg/L	0.0200		96.8	71.1-141			
Bromomethane	0.017	0.0005	mg/L	0.0200		87.4	55.1-143			
Carbon disulfide	0.042	0.001	mg/L	0.0400		104	53.6-147			
Carbon tetrachloride	0.019	0.0005	mg/L	0.0200		93.9	79.5-125			

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 15:42

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4091935 - Volatiles (Continued)										
LCS (4091935-BS1) (Continued)				Prepared: 09/19/24 Analyzed: 09/24/24						
Chlorobenzene	0.019	0.0005	mg/L	0.0200		95.4	85.1-115			
Chloroethane	0.019	0.0005	mg/L	0.0200		94.1	36.9-159			
Chloroform	0.018	0.0005	mg/L	0.0200		92.2	80.9-119			
Chloromethane	0.020	0.0005	mg/L	0.0200		102	54.2-142			
cis-1,2-Dichloroethene	0.020	0.0005	mg/L	0.0200		101	73.8-128			
cis-1,3-Dichloropropene	0.020	0.0005	mg/L	0.0200		102	82.5-122			
Dibromochloromethane	0.019	0.0005	mg/L	0.0200		96.8	83.1-124			
Surrogate: Dibromofluoromethane	*0.0241*		mg/L	*0.0250*		*96.4*	*82.4-141*			
Dibromomethane	0.019	0.0005	mg/L	0.0200		94.0	77-118			
Dichlorodifluoromethane	0.021	0.0005	mg/L	0.0200		104	38.7-147			
Ethylbenzene	0.020	0.0005	mg/L	0.0200		100	70.2-130			
Hexachlorobutadiene	0.025	0.0005	mg/L	0.0200		123	78.9-148			
Iodomethane	0.036	0.001	mg/L	0.0400		90.3	63.5-135			
Isopropylbenzene	0.020	0.0005	mg/L	0.0200		100	85-124			
m+p - Xylene	0.040	0.001	mg/L	0.0400		101	71.9-133			
Methyl tert-butyl ether	0.037	0.001	mg/L	0.0400		93.6	57.7-137			
Methylene chloride	0.021	0.0005	mg/L	0.0200		103	49.3-163			
Naphthalene	0.021	0.0005	mg/L	0.0200		105	62.1-141			
n-Butylbenzene	0.022	0.0005	mg/L	0.0200		108	75.4-132			
n-Propylbenzene	0.022	0.0005	mg/L	0.0200		111	79.6-124			
o-Xylene	0.021	0.0005	mg/L	0.0200		104	69.4-132			
p-Isopropyltoluene	0.021	0.0005	mg/L	0.0200		107	79.8-131			
sec-Butylbenzene	0.023	0.0005	mg/L	0.0200		117	77.6-133			
Styrene	0.020	0.0005	mg/L	0.0200		98.8	71.7-128			
tert-Butylbenzene	0.021	0.0005	mg/L	0.0200		106	78.8-128			
Tetrachloroethene	0.018	0.0005	mg/L	0.0200		89.8	74.2-128			
Toluene	0.018	0.0005	mg/L	0.0200		92.0	68.1-127			
Surrogate: Toluene-d8	*0.0254*		mg/L	*0.0250*		*101*	*87.1-110*			
Total Xylenes	0.061	0.001	mg/L	0.0600		102	71.6-132			
trans-1,2-Dichloroethene	0.020	0.0005	mg/L	0.0200		98.6	65.2-133			
trans-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		104	84-123			
trans-1,4-Dichloro-2-butene	0.069	0.010	mg/L	0.0400		172	9.3-235			
Trichloroethene	0.019	0.0005	mg/L	0.0200		95.2	79.3-114			
Trichlorofluoromethane	0.018	0.0005	mg/L	0.0200		89.2	28.6-162			
Vinyl acetate	0.013	0.0005	mg/L	0.0200		66.4	50.9-135			
Vinyl chloride	0.021	0.0005	mg/L	0.0200		106	61.6-133			
LCS Dup (4091935-BSD1)				Prepared: 09/19/24 Analyzed: 09/24/24						
1,1,1,2-Tetrachloroethane	0.017	0.0005	mg/L	0.0200		85.5	82.4-120	1.97	6.88	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 15:42

VOLATILES BY GC/MS - Quality Control
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4091935 - Volatiles (Continued)										
LCS Dup (4091935-BSD1) (Continued)			Prepared: 09/19/24 Analyzed: 09/24/24							
1,1,1-Trichloroethane	0.020	0.0005	mg/L	0.0200		97.9	80.7-121	2.38	7.43	
1,1,2,2-Tetrachloroethane	0.022	0.0005	mg/L	0.0200		109	76.5-121	4.21	8.68	
1,1,2-Trichloroethane	0.019	0.0005	mg/L	0.0200		96.2	81.7-118	2.95	6.82	
1,1-Dichloroethane	0.020	0.0005	mg/L	0.0200		102	74.8-123	1.98	4.3	
1,1-Dichloroethene	0.021	0.0005	mg/L	0.0200		103	53.9-149	2.31	16.5	
1,1-Dichloropropene	0.020	0.0005	mg/L	0.0200		99.4	85.9-115	0.602	5.47	
1,2,3-Trichlorobenzene	0.022	0.0005	mg/L	0.0200		111	76.1-134	2.89	43	
1,2,4-Trichlorobenzene	0.022	0.0005	mg/L	0.0200		112	72.4-136	4.68	22.3	
1,2,4-Trimethylbenzene	0.022	0.0005	mg/L	0.0200		111	67.4-138	1.30	8.94	
1,2-Dibromo-3-chloropropane	0.020	0.0005	mg/L	0.0200		101	71.7-124	4.68	15.1	
1,2-Dibromoethane	0.020	0.0005	mg/L	0.0200		101	84.9-116	0.299	5.83	
1,2-Dichlorobenzene	0.019	0.0005	mg/L	0.0200		96.0	82.5-119	1.86	8.72	
1,2-Dichloroethane	0.018	0.0005	mg/L	0.0200		92.4	72.5-123	5.05	8.94	
1,2-Dichloropropane	0.021	0.0005	mg/L	0.0200		107	79.4-117	1.42	5.51	
1,3,5-Trimethylbenzene	0.023	0.0005	mg/L	0.0200		113	69-137	2.33	16.5	
1,3-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		100	84.4-120	2.73	9	
1,3-Dichloropropane	0.020	0.0005	mg/L	0.0200		98.6	82.6-117	2.50	6.06	
1,4-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		98.6	81.7-118	2.26	7.71	
1,4-Dioxane	0.372	0.010	mg/L	0.400		93.1	-34.6-193	6.28	35.2	
1.2.3-trichloropropane	0.024	0.0005	mg/L	0.0200		118	44.7-168	1.97	49.2	
2,2-Dichloropropane	0.015	0.0005	mg/L	0.0200		73.0	62.9-136	0.137	9.62	
2-Butanone	0.043	0.002	mg/L	0.0400		109	24.1-159	19.6	14.2	QR-04
2-Chlorotoluene	0.021	0.0005	mg/L	0.0200		104	80.2-121	2.23	8.62	
2-Hexanone	0.040	0.001	mg/L	0.0400		99.3	56.3-139	8.92	7.28	QR-04
Surrogate: 4-Bromofluorobenzene	*0.0251*		mg/L	*0.0250*		*100*	*76.4-114*			
4-Chlorotoluene	0.022	0.0005	mg/L	0.0200		110	82.2-125	0.902	15.5	
4-Methyl-2-pentanone	0.043	0.001	mg/L	0.0400		107	60.7-139	3.63	7.57	
Acetone	0.047	0.010	mg/L	0.0400		119	39.1-168	5.43	30.5	
Acrolein	0.196	0.005	mg/L	0.200		98.2	26.6-161	5.72	22.4	
Acrylonitrile	0.043	0.002	mg/L	0.0400		107	64.9-135	4.13	7.62	
Benzene	0.020	0.0005	mg/L	0.0200		101	69.4-129	2.31	4.16	
Bromobenzene	0.020	0.0005	mg/L	0.0200		98.3	83.5-115	0.102	8.41	
Bromochloromethane	0.019	0.0005	mg/L	0.0200		97.4	70.7-123	3.23	5.16	
Bromodichloromethane	0.020	0.0005	mg/L	0.0200		99.7	80.3-119	2.03	5.36	
Bromoform	0.020	0.0005	mg/L	0.0200		101	71.1-141	4.64	14.1	
Bromomethane	0.017	0.0005	mg/L	0.0200		85.0	55.1-143	2.79	21.5	
Carbon disulfide	0.042	0.001	mg/L	0.0400		105	53.6-147	0.671	20.3	
Carbon tetrachloride	0.019	0.0005	mg/L	0.0200		94.6	79.5-125	0.690	11.4	
Chlorobenzene	0.020	0.0005	mg/L	0.0200		97.6	85.1-115	2.23	5.18	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 15:42

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4091935 - Volatiles (Continued)										
LCS Dup (4091935-BSD1) (Continued)			Prepared: 09/19/24 Analyzed: 09/24/24							
Chloroethane	0.019	0.0005	mg/L	0.0200		95.9	36.9-159	1.89	24.1	
Chloroform	0.018	0.0005	mg/L	0.0200		90.8	80.9-119	1.48	5.15	
Chloromethane	0.020	0.0005	mg/L	0.0200		101	54.2-142	0.785	27	
cis-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		105	73.8-128	3.15	5.73	
cis-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		106	82.5-122	3.93	6.09	
Dibromochloromethane	0.020	0.0005	mg/L	0.0200		98.6	83.1-124	1.84	7.24	
Surrogate: Dibromofluoromethane	*0.0244*		mg/L	*0.0250*		*97.5*	*82.4-141*			
Dibromomethane	0.019	0.0005	mg/L	0.0200		96.8	77-118	2.88	5.75	
Dichlorodifluoromethane	0.020	0.0005	mg/L	0.0200		102	38.7-147	1.02	22.6	
Ethylbenzene	0.020	0.0005	mg/L	0.0200		99.8	70.2-130	0.200	4.83	
Hexachlorobutadiene	0.025	0.0005	mg/L	0.0200		124	78.9-148	0.731	18.4	
Iodomethane	0.036	0.001	mg/L	0.0400		90.5	63.5-135	0.249	24.3	
Isopropylbenzene	0.020	0.0005	mg/L	0.0200		100	85-124	0.0499	6.25	
m+p - Xylene	0.040	0.001	mg/L	0.0400		101	71.9-133	0.447	5.77	
Methyl tert-butyl ether	0.039	0.001	mg/L	0.0400		97.0	57.7-137	3.57	12.8	
Methylene chloride	0.021	0.0005	mg/L	0.0200		104	49.3-163	1.21	19.7	
Naphthalene	0.021	0.0005	mg/L	0.0200		105	62.1-141	0.476	33.5	
n-Butylbenzene	0.021	0.0005	mg/L	0.0200		106	75.4-132	1.35	10.1	
n-Propylbenzene	0.022	0.0005	mg/L	0.0200		112	79.6-124	0.850	9.09	
o-Xylene	0.021	0.0005	mg/L	0.0200		103	69.4-132	0.727	6.29	
p-Isopropyltoluene	0.023	0.0005	mg/L	0.0200		114	79.8-131	5.65	9.26	
sec-Butylbenzene	0.023	0.0005	mg/L	0.0200		117	77.6-133	0.384	9.85	
Styrene	0.020	0.0005	mg/L	0.0200		99.4	71.7-128	0.606	7.55	
tert-Butylbenzene	0.021	0.0005	mg/L	0.0200		106	78.8-128	0.283	18.6	
Tetrachloroethene	0.018	0.0005	mg/L	0.0200		89.1	74.2-128	0.783	6.38	
Toluene	0.019	0.0005	mg/L	0.0200		93.3	68.1-127	1.40	5.67	
Surrogate: Toluene-d8	*0.0253*		mg/L	*0.0250*		*101*	*87.1-110*			
Total Xylenes	0.061	0.001	mg/L	0.0600		101	71.6-132	0.541	5.83	
trans-1,2-Dichloroethene	0.019	0.0005	mg/L	0.0200		95.4	65.2-133	3.25	19.1	
trans-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		104	84-123	0.672	6.26	
trans-1,4-Dichloro-2-butene	0.069	0.010	mg/L	0.0400		172	9.3-235	0.218	92.8	
Trichloroethene	0.020	0.0005	mg/L	0.0200		99.8	79.3-114	4.62	4.92	
Trichlorofluoromethane	0.018	0.0005	mg/L	0.0200		89.0	28.6-162	0.224	19.8	
Vinyl acetate	0.014	0.0005	mg/L	0.0200		70.6	50.9-135	6.13	7.84	
Vinyl chloride	0.021	0.0005	mg/L	0.0200		105	61.6-133	1.14	23	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 15:42

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 15:42

Qualifier Summary

LabNumber	Analysis	Analyte	Qualifier	TextBody
4091935-BSD1	Volatile 8260	2-Butanone	QR-04	The RPD for the BS/BSD was outside of historical limits.
4091935-BSD1	Volatile 8260	2-Hexanone	QR-04	The RPD for the BS/BSD was outside of historical limits.

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

GREEN ANALYTICAL LABORATORIES
75 Suttle Street
Durango, CO 81303
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
FORM-006, R 8.0

Note: Wite-Out™ or similar products cannot be used on the Chain of Custody

Company or Client: Cottonwood Consulting LLC
Address: PO Box 1653
City: Durango **State:** CO **Zip:** 81302
Phone #: 970-764-7356
Contact Person: Kyle Siesser
Email Report to: ksiesser@cottonwoodconsulting.com
Project Name(optional): GCU #204E
Sampler Name (Print): Kelsey O'Brien / Dylan Songer

Bill to (if different):
P.O. #:
Rush? Y ☐ N ☐ TAT Needed?

ANALYSIS REQUEST

Lab I.D. (Lab Use Only)	Sample Name or Location	Collected Date	Collected Time	Matrix (check one)	# of containers	EPA Method 8260B (VOCs)
				GROUNDWATER / SURFACE WATER / WASTEWATER / PRODUCED WATER / DRINKING WATER / SOIL / OTHER:	No preservation / Nitric Acid / Hydrochloric Acid / Sulfuric Acid / Sodium Hydroxide / OTHER:	
2409-203 01	1) MW #5	9/17/24	1020	✓	4	✓
	2)					
	3)					
	4)					
	5)					
	6)					
	7)					
	8)					
	9)					
	10)					

Relinquished By: KO'B	Date: 9/17/24 Time: 1620	**Received By:**	Date: 9.17.24 Time: 1620	ADDITIONAL REMARKS:
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	Temperature at receipt: 18.2 °C / Checked by: MM / On Ice? (Y) N / Therm. used: Laser 2

† GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com
* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

Page 1 of 1

Analytical Laboratories

SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood Consulting **Work Order #** 2409-203

Courier: ☐Fed Ex ☐UPS ☐USPS ☑Client ☐ Kangaroo ☐ Third Party ☐Other

Custody Seals on Box/Cooler Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☐ No

Thermometer Used: #2 Samples on ice, cooling process has begun: ☑Yes ☐ No

Type of Ice: ☑Wet ☐ Blue ☐ None

Cooler Temp: Observed Temp: 16.2 °C Correction Factor: 0 °C Final Temp: 16.2 °C

Date/Initials of person examining contents: 9.12.24 CDN

Labeled by initials: _____
(if different than above)

*Temp should be above freezing to 6°C

Chain of Custody Present:	☑Yes ☐No	1.
Chain of Custody Filled Out:	☑Yes ☐No	2.
Chain of Custody Relinquished:	☑Yes ☐No	3.
Sampler Name and Signature on COC:	☑Yes ☐No	4.
Samples arrived within hold time:	☑Yes ☐No	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume:	☑Yes ☐No	8.
Correct Containers Used:	☑Yes ☐No	9.
Containers Intact:	☑Yes ☐No	10.
Dissolved Testing Needed: Field Filtered: ☐Yes ☐No	☐Yes ☑No	11.
Sample Labels match COC: -Includes Date/Time/ID	☑Yes ☐No	12.
Matrix:	WT SL OT	
Trip Blank Present: Trip Blank Custody Seals Present:	☐Yes ☐No ☑N/A ☐Yes ☐No ☐N/A	13.

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

FORM-039, Rev 2

Page 1 of 1

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
jeremy.allen@greenanalytical.com

26 December 2024

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: GCU #204E

Enclosed are the results of analyses for samples received by the laboratory on 12/10/24 16:50. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

Veronica Wells
Project Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C24-00019

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C24-00112

Table of Contents

Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/24 15:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #5	2412103-01	Water	12/10/24 09:20	12/10/24 16:50	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/24 15:11

MW #5

2412103-01 (Ground Water)
Sampled Date: 12/10/24 09:20
Sampled By: Dylan Songer & Kelsey O'Brien

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
1,1,1,2-Tetrachloroethane	<0.005	0.005	0.0006	mg/L	10	12/17/24 17:38	8260B		SK
1,1,1-Trichloroethane	<0.005	0.005	0.0006	mg/L	10	12/17/24 17:38	8260B		SK
1,1,2,2-Tetrachloroethane	<0.005	0.005	0.0006	mg/L	10	12/17/24 17:38	8260B		SK
1,1,2-Trichloroethane	<0.005	0.005	0.0006	mg/L	10	12/17/24 17:38	8260B		SK
1,1-Dichloroethane	<0.005	0.005	0.002	mg/L	10	12/17/24 17:38	8260B		SK
1,1-Dichloroethene	<0.005	0.005	0.002	mg/L	10	12/17/24 17:38	8260B		SK
1,1-Dichloropropene	<0.005	0.005	0.002	mg/L	10	12/17/24 17:38	8260B		SK
1,2,3-Trichlorobenzene	<0.005	0.005	0.002	mg/L	10	12/17/24 17:38	8260B		SK
1,2,4-Trichlorobenzene	<0.005	0.005	0.001	mg/L	10	12/17/24 17:38	8260B		SK
1,2,4-Trimethylbenzene	**0.332**	0.005	0.0004	mg/L	10	12/17/24 17:38	8260B		SK
1,2-Dibromo-3-chloropropane	<0.005	0.005	0.005	mg/L	10	12/17/24 17:38	8260B		SK
1,2-Dibromoethane	<0.005	0.005	0.0009	mg/L	10	12/17/24 17:38	8260B		SK
1,2-Dichlorobenzene	<0.005	0.005	0.0007	mg/L	10	12/17/24 17:38	8260B		SK
1,2-Dichloroethane	<0.005	0.005	0.0006	mg/L	10	12/17/24 17:38	8260B		SK
1,2-Dichloropropane	<0.005	0.005	0.0008	mg/L	10	12/17/24 17:38	8260B		SK
1,3,5-Trimethylbenzene	**0.154**	0.005	0.0004	mg/L	10	12/17/24 17:38	8260B		SK
1,3-Dichlorobenzene	<0.005	0.005	0.0005	mg/L	10	12/17/24 17:38	8260B		SK
1,3-Dichloropropane	<0.005	0.005	0.001	mg/L	10	12/17/24 17:38	8260B		SK
1,4-Dichlorobenzene	<0.005	0.005	0.0004	mg/L	10	12/17/24 17:38	8260B		SK
1,4-Dioxane	<0.200	0.200	0.200	mg/L	10	12/17/24 17:38	8260B		SK
1.2.3-trichloropropane	<0.005	0.005	0.001	mg/L	10	12/17/24 17:38	8260B		SK
2,2-Dichloropropane	<0.005	0.005	0.005	mg/L	10	12/17/24 17:38	8260B		SK
2-Butanone	<0.020	0.020	0.020	mg/L	10	12/17/24 17:38	8260B		SK
2-Chlorotoluene	<0.005	0.005	0.0004	mg/L	10	12/17/24 17:38	8260B		SK
2-Hexanone	<0.010	0.010	0.003	mg/L	10	12/17/24 17:38	8260B		SK
4-Chlorotoluene	<0.005	0.005	0.0004	mg/L	10	12/17/24 17:38	8260B		SK
4-Methyl-2-pentanone	<0.010	0.010	0.001	mg/L	10	12/17/24 17:38	8260B		SK
Acetone	<0.100	0.100	0.009	mg/L	10	12/17/24 17:38	8260B		SK

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/24 15:11

MW #5

2412103-01 (Ground Water)
Sampled Date: 12/10/24 09:20
Sampled By: Dylan Songer & Kelsey O'Brien

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Acrolein	<0.050	0.050	0.011	mg/L	10	12/17/24 17:38	8260B		SK
Acrylonitrile	<0.020	0.020	0.008	mg/L	10	12/17/24 17:38	8260B		SK
Benzene	**0.464**	0.005	0.0005	mg/L	10	12/17/24 17:38	8260B		SK
Bromobenzene	<0.005	0.005	0.0006	mg/L	10	12/17/24 17:38	8260B		SK
Bromochloromethane	<0.005	0.005	0.001	mg/L	10	12/17/24 17:38	8260B		SK
Bromodichloromethane	<0.005	0.005	0.0004	mg/L	10	12/17/24 17:38	8260B		SK
Bromoform	<0.005	0.005	0.0009	mg/L	10	12/17/24 17:38	8260B		SK
Bromomethane	<0.005	0.005	0.005	mg/L	10	12/17/24 17:38	8260B		SK
Carbon disulfide	<0.010	0.010	0.001	mg/L	10	12/17/24 17:38	8260B		SK
Carbon tetrachloride	<0.005	0.005	0.002	mg/L	10	12/17/24 17:38	8260B		SK
Chlorobenzene	<0.005	0.005	0.0004	mg/L	10	12/17/24 17:38	8260B		SK
Chloroethane	<0.005	0.005	0.005	mg/L	10	12/17/24 17:38	8260B		SK
Chloroform	<0.005	0.005	0.0002	mg/L	10	12/17/24 17:38	8260B		SK
Chloromethane	<0.005	0.005	0.005	mg/L	10	12/17/24 17:38	8260B		SK
cis-1,2-Dichloroethene	<0.005	0.005	0.002	mg/L	10	12/17/24 17:38	8260B		SK
cis-1,3-Dichloropropene	<0.005	0.005	0.0009	mg/L	10	12/17/24 17:38	8260B		SK
Dibromochloromethane	<0.005	0.005	0.0008	mg/L	10	12/17/24 17:38	8260B		SK
Dibromomethane	<0.005	0.005	0.002	mg/L	10	12/17/24 17:38	8260B		SK
Dichlorodifluoromethane	<0.005	0.005	0.005	mg/L	10	12/17/24 17:38	8260B		SK
Ethylbenzene	**0.400**	0.005	0.0003	mg/L	10	12/17/24 17:38	8260B		SK
Hexachlorobutadiene	<0.005	0.005	0.005	mg/L	10	12/17/24 17:38	8260B		SK
Iodomethane	<0.010	0.010	0.0006	mg/L	10	12/17/24 17:38	8260B		SK
Isopropylbenzene	**0.048**	0.005	0.0002	mg/L	10	12/17/24 17:38	8260B		SK
m+p - Xylene	**1.68**	0.010	0.0008	mg/L	10	12/17/24 17:38	8260B		SK
Methyl tert-butyl ether	<0.010	0.010	0.002	mg/L	10	12/17/24 17:38	8260B		SK
Methylene chloride	<0.010	0.010	0.005	mg/L	10	12/17/24 17:38	8260B		SK
Naphthalene	**0.083**	0.005	0.0008	mg/L	10	12/17/24 17:38	8260B		SK
n-Butylbenzene	<0.005	0.005	0.0007	mg/L	10	12/17/24 17:38	8260B		SK
n-Propylbenzene	**0.043**	0.005	0.0005	mg/L	10	12/17/24 17:38	8260B		SK
o-Xylene	<0.005	0.005	0.001	mg/L	10	12/17/24 17:38	8260B		SK
p-Isopropyltoluene	**0.025**	0.005	0.0004	mg/L	10	12/17/24 17:38	8260B		SK

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/24 15:11

MW #5

2412103-01 (Ground Water)
Sampled Date: 12/10/24 09:20
Sampled By: Dylan Songer & Kelsey O'Brien

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
sec-Butylbenzene	<0.005	0.005	0.0004	mg/L	10	12/17/24 17:38	8260B		SK
Styrene	<0.005	0.005	0.001	mg/L	10	12/17/24 17:38	8260B		SK
tert-Butylbenzene	<0.005	0.005	0.0007	mg/L	10	12/17/24 17:38	8260B		SK
Tetrachloroethene	<0.005	0.005	0.0009	mg/L	10	12/17/24 17:38	8260B		SK
Toluene	<0.005	0.005	0.0008	mg/L	10	12/17/24 17:38	8260B		SK
Total Xylenes	**1.68**	0.010	0.002	mg/L	10	12/17/24 17:38	8260B		SK
trans-1,2-Dichloroethene	<0.005	0.005	0.001	mg/L	10	12/17/24 17:38	8260B		SK
trans-1,3-Dichloropropene	<0.005	0.005	0.0005	mg/L	10	12/17/24 17:38	8260B		SK
trans-1,4-Dichloro-2-butene	<0.100	0.100	0.003	mg/L	10	12/17/24 17:38	8260B		SK
Trichloroethene	<0.005	0.005	0.002	mg/L	10	12/17/24 17:38	8260B		SK
Trichlorofluoromethane	<0.005	0.005	0.001	mg/L	10	12/17/24 17:38	8260B		SK
Vinyl acetate	<0.005	0.005	0.005	mg/L	10	12/17/24 17:38	8260B		SK
Vinyl chloride	<0.005	0.005	0.005	mg/L	10	12/17/24 17:38	8260B		SK
Surrogate: 4-Bromofluorobenzene			*101 %*	*76.4-114*		*12/17/24 17:38*	*8260B*		SK
Surrogate: Dibromofluoromethane			*110 %*	*82.4-141*		*12/17/24 17:38*	*8260B*		SK
Surrogate: Toluene-d8			*99.7 %*	*87.1-110*		*12/17/24 17:38*	*8260B*		SK

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/24 15:11

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4121709 - Volatiles										
Blank (4121709-BLK1)			Prepared & Analyzed: 12/17/24							
1,1,1,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,1-Trichloroethane	ND	0.0005	mg/L							
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,2-Trichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethene	ND	0.0005	mg/L							
1,1-Dichloropropene	ND	0.0005	mg/L							
1,2,3-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trimethylbenzene	ND	0.0005	mg/L							
1,2-Dibromo-3-chloropropane	ND	0.0005	mg/L							
1,2-Dibromoethane	ND	0.0005	mg/L							
1,2-Dichlorobenzene	ND	0.0005	mg/L							
1,2-Dichloroethane	ND	0.0005	mg/L							
1,2-Dichloropropane	ND	0.0005	mg/L							
1,3,5-Trimethylbenzene	ND	0.0005	mg/L							
1,3-Dichlorobenzene	ND	0.0005	mg/L							
1,3-Dichloropropane	ND	0.0005	mg/L							
1,4-Dichlorobenzene	ND	0.0005	mg/L							
1,4-Dioxane	ND	0.020	mg/L							
1.2.3-trichloropropane	ND	0.0005	mg/L							
2,2-Dichloropropane	ND	0.0005	mg/L							
2-Butanone	ND	0.002	mg/L							
2-Chlorotoluene	ND	0.0005	mg/L							
2-Hexanone	ND	0.001	mg/L							
Surrogate: 4-Bromofluorobenzene	*0.0466*		mg/L	*0.0500*		*93.3*	*76.4-114*			
4-Chlorotoluene	ND	0.0005	mg/L							
4-Methyl-2-pentanone	ND	0.001	mg/L							
Acetone	ND	0.010	mg/L							
Acrolein	ND	0.005	mg/L							
Acrylonitrile	ND	0.002	mg/L							
Benzene	ND	0.0005	mg/L							
Bromobenzene	ND	0.0005	mg/L							
Bromochloromethane	ND	0.0005	mg/L							
Bromodichloromethane	ND	0.0005	mg/L							
Bromoform	ND	0.0005	mg/L							

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/24 15:11

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4121709 - Volatiles (Continued)										
Blank (4121709-BLK1) (Continued)			Prepared & Analyzed: 12/17/24							
Bromomethane	ND	0.0005	mg/L							
Carbon disulfide	ND	0.001	mg/L							
Carbon tetrachloride	ND	0.0005	mg/L							
Chlorobenzene	ND	0.0005	mg/L							
Chloroethane	ND	0.0005	mg/L							
Chloroform	ND	0.0005	mg/L							
Chloromethane	ND	0.0005	mg/L							
cis-1,2-Dichloroethene	ND	0.0005	mg/L							
cis-1,3-Dichloropropene	ND	0.0005	mg/L							
Dibromochloromethane	ND	0.0005	mg/L							
Surrogate: Dibromofluoromethane	*0.0528*		mg/L	*0.0500*		*106*	*82.4-141*			
Dibromomethane	ND	0.0005	mg/L							
Dichlorodifluoromethane	ND	0.0005	mg/L							
Ethylbenzene	ND	0.0005	mg/L							
Hexachlorobutadiene	ND	0.0005	mg/L							
Iodomethane	ND	0.001	mg/L							
Isopropylbenzene	ND	0.0005	mg/L							
m+p - Xylene	ND	0.001	mg/L							
Methyl tert-butyl ether	ND	0.001	mg/L							
Methylene chloride	ND	0.0005	mg/L							
Naphthalene	ND	0.0005	mg/L							
n-Butylbenzene	ND	0.0005	mg/L							
n-Propylbenzene	ND	0.0005	mg/L							
o-Xylene	ND	0.0005	mg/L							
p-Isopropyltoluene	ND	0.0005	mg/L							
sec-Butylbenzene	ND	0.0005	mg/L							
Styrene	ND	0.0005	mg/L							
tert-Butylbenzene	ND	0.0005	mg/L							
Tetrachloroethene	ND	0.0005	mg/L							
Toluene	ND	0.0005	mg/L							
Surrogate: Toluene-d8	*0.0489*		mg/L	*0.0500*		*97.7*	*87.1-110*			
Total Xylenes	ND	0.001	mg/L							
trans-1,2-Dichloroethene	ND	0.0005	mg/L							
trans-1,3-Dichloropropene	ND	0.0005	mg/L							
trans-1,4-Dichloro-2-butene	ND	0.010	mg/L							
Trichloroethene	ND	0.0005	mg/L							
Trichlorofluoromethane	ND	0.0005	mg/L							
Vinyl acetate	ND	0.0005	mg/L							
Vinyl chloride	ND	0.0005	mg/L							

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/24 15:11

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4121709 - Volatiles (Continued)										
LCS (4121709-BS1)			Prepared & Analyzed: 12/17/24							
1,1,1,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		99.0	82.4-120			
1,1,1-Trichloroethane	0.021	0.0005	mg/L	0.0200		107	80.7-121			
1,1,2,2-Tetrachloroethane	0.014	0.0005	mg/L	0.0200		69.8	76.5-121			BS2
1,1,2-Trichloroethane	0.020	0.0005	mg/L	0.0200		98.6	81.7-118			
1,1-Dichloroethane	0.021	0.0005	mg/L	0.0200		103	74.8-123			
1,1-Dichloroethene	0.022	0.0005	mg/L	0.0200		109	53.9-149			
1,1-Dichloropropene	0.020	0.0005	mg/L	0.0200		98.4	85.9-115			
1,2,3-Trichlorobenzene	0.022	0.0005	mg/L	0.0200		112	76.1-134			
1,2,4-Trichlorobenzene	0.024	0.0005	mg/L	0.0200		118	72.4-136			
1,2,4-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		106	67.4-138			
1,2-Dibromo-3-chloropropane	0.013	0.0005	mg/L	0.0200		66.0	71.7-124			BS2
1,2-Dibromoethane	0.017	0.0005	mg/L	0.0200		85.2	84.9-116			
1,2-Dichlorobenzene	0.019	0.0005	mg/L	0.0200		97.2	82.5-119			
1,2-Dichloroethane	0.022	0.0005	mg/L	0.0200		108	72.5-123			
1,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		93.6	79.4-117			
1,3,5-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		106	69-137			
1,3-Dichlorobenzene	0.022	0.0005	mg/L	0.0200		108	84.4-120			
1,3-Dichloropropane	0.017	0.0005	mg/L	0.0200		85.0	82.6-117			
1,4-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		102	81.7-118			
1,4-Dioxane	1.15	0.020	mg/L	2.00		57.4	-34.6-193			
1.2.3-trichloropropane	0.015	0.0005	mg/L	0.0200		73.8	44.7-168			
2,2-Dichloropropane	0.023	0.0005	mg/L	0.0200		114	62.9-136			
2-Butanone	0.040	0.002	mg/L	0.0400		99.1	24.1-159			
2-Chlorotoluene	0.019	0.0005	mg/L	0.0200		96.4	80.2-121			
2-Hexanone	0.022	0.001	mg/L	0.0400		56.0	56.3-139			BS2
Surrogate: 4-Bromofluorobenzene	*0.0474*		mg/L	*0.0500*		*94.8*	*76.4-114*			
4-Chlorotoluene	0.020	0.0005	mg/L	0.0200		99.7	82.2-125			
4-Methyl-2-pentanone	0.026	0.001	mg/L	0.0400		64.0	60.7-139			
Acetone	0.071	0.010	mg/L	0.0400		178	39.1-168			BS1
Acrolein	0.243	0.005	mg/L	0.200		121	26.6-161			
Acrylonitrile	0.040	0.002	mg/L	0.0400		99.8	64.9-135			
Benzene	0.019	0.0005	mg/L	0.0200		95.5	69.4-129			
Bromobenzene	0.020	0.0005	mg/L	0.0200		101	83.5-115			
Bromochloromethane	0.020	0.0005	mg/L	0.0200		97.5	70.7-123			
Bromodichloromethane	0.020	0.0005	mg/L	0.0200		102	80.3-119			
Bromoform	0.018	0.0005	mg/L	0.0200		91.9	71.1-141			
Bromomethane	0.021	0.0005	mg/L	0.0200		106	55.1-143			
Carbon disulfide	0.061	0.001	mg/L	0.0400		153	53.6-147			BS1
Carbon tetrachloride	0.022	0.0005	mg/L	0.0200		108	79.5-125			

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/24 15:11

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4121709 - Volatiles (Continued)										
LCS (4121709-BS1) (Continued)			Prepared & Analyzed: 12/17/24							
Chlorobenzene	0.020	0.0005	mg/L	0.0200		100	85.1-115			
Chloroethane	0.021	0.0005	mg/L	0.0200		103	36.9-159			
Chloroform	0.019	0.0005	mg/L	0.0200		93.6	80.9-119			
Chloromethane	0.018	0.0005	mg/L	0.0200		89.8	54.2-142			
cis-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		103	73.8-128			
cis-1,3-Dichloropropene	0.020	0.0005	mg/L	0.0200		102	82.5-122			
Dibromochloromethane	0.020	0.0005	mg/L	0.0200		98.8	83.1-124			
Surrogate: Dibromofluoromethane	*0.0514*		mg/L	*0.0500*		*103*	*82.4-141*			
Dibromomethane	0.019	0.0005	mg/L	0.0200		96.2	77-118			
Dichlorodifluoromethane	0.022	0.0005	mg/L	0.0200		108	38.7-147			
Ethylbenzene	0.019	0.0005	mg/L	0.0200		95.2	70.2-130			
Hexachlorobutadiene	0.024	0.0005	mg/L	0.0200		122	78.9-148			
Iodomethane	0.043	0.001	mg/L	0.0400		108	63.5-135			
Isopropylbenzene	0.020	0.0005	mg/L	0.0200		102	85-124			
m+p - Xylene	0.039	0.001	mg/L	0.0400		98.7	71.9-133			
Methyl tert-butyl ether	0.037	0.001	mg/L	0.0400		93.3	57.7-137			
Methylene chloride	0.024	0.0005	mg/L	0.0200		122	49.3-163			
Naphthalene	0.017	0.0005	mg/L	0.0200		84.4	62.1-141			
n-Butylbenzene	0.024	0.0005	mg/L	0.0200		118	75.4-132			
n-Propylbenzene	0.021	0.0005	mg/L	0.0200		105	79.6-124			
o-Xylene	0.019	0.0005	mg/L	0.0200		97.2	69.4-132			
p-Isopropyltoluene	0.022	0.0005	mg/L	0.0200		109	79.8-131			
sec-Butylbenzene	0.022	0.0005	mg/L	0.0200		108	77.6-133			
Styrene	0.019	0.0005	mg/L	0.0200		93.1	71.7-128			
tert-Butylbenzene	0.021	0.0005	mg/L	0.0200		103	78.8-128			
Tetrachloroethene	0.019	0.0005	mg/L	0.0200		96.2	74.2-128			
Toluene	0.018	0.0005	mg/L	0.0200		91.4	68.1-127			
Surrogate: Toluene-d8	*0.0500*		mg/L	*0.0500*		*100*	*87.1-110*			
Total Xylenes	0.059	0.001	mg/L	0.0600		98.2	71.6-132			
trans-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		103	65.2-133			
trans-1,3-Dichloropropene	0.020	0.0005	mg/L	0.0200		98.8	84-123			
trans-1,4-Dichloro-2-butene	0.044	0.010	mg/L	0.0400		111	9.3-235			
Trichloroethene	0.019	0.0005	mg/L	0.0200		92.6	79.3-114			
Trichlorofluoromethane	0.023	0.0005	mg/L	0.0200		114	28.6-162			
Vinyl acetate	0.019	0.0005	mg/L	0.0200		93.4	50.9-135			
Vinyl chloride	0.021	0.0005	mg/L	0.0200		106	61.6-133			
LCS Dup (4121709-BSD1)			Prepared & Analyzed: 12/17/24							
1,1,1,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		97.9	82.4-120	1.07	6.88	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/24 15:11

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4121709 - Volatiles (Continued)										
LCS Dup (4121709-BSD1) (Continued)			Prepared & Analyzed: 12/17/24							
1,1,1-Trichloroethane	0.020	0.0005	mg/L	0.0200		101	80.7-121	5.40	7.43	
1,1,2,2-Tetrachloroethane	0.018	0.0005	mg/L	0.0200		87.6	76.5-121	22.7	8.68	QR-04
1,1,2-Trichloroethane	0.020	0.0005	mg/L	0.0200		99.6	81.7-118	1.11	6.82	
1,1-Dichloroethane	0.020	0.0005	mg/L	0.0200		98.0	74.8-123	4.68	4.3	QR-04
1,1-Dichloroethene	0.020	0.0005	mg/L	0.0200		101	53.9-149	8.38	16.5	
1,1-Dichloropropene	0.019	0.0005	mg/L	0.0200		94.4	85.9-115	4.15	5.47	
1,2,3-Trichlorobenzene	0.025	0.0005	mg/L	0.0200		124	76.1-134	9.45	43	
1,2,4-Trichlorobenzene	0.022	0.0005	mg/L	0.0200		112	72.4-136	4.86	22.3	
1,2,4-Trimethylbenzene	0.020	0.0005	mg/L	0.0200		101	67.4-138	5.51	8.94	
1,2-Dibromo-3-chloropropane	0.021	0.0005	mg/L	0.0200		104	71.7-124	44.3	15.1	QR-04
1,2-Dibromoethane	0.019	0.0005	mg/L	0.0200		96.8	84.9-116	12.8	5.83	QR-04
1,2-Dichlorobenzene	0.018	0.0005	mg/L	0.0200		92.5	82.5-119	4.96	8.72	
1,2-Dichloroethane	0.022	0.0005	mg/L	0.0200		112	72.5-123	3.59	8.94	
1,2-Dichloropropane	0.018	0.0005	mg/L	0.0200		89.4	79.4-117	4.65	5.51	
1,3,5-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		104	69-137	1.95	16.5	
1,3-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		103	84.4-120	4.26	9	
1,3-Dichloropropane	0.018	0.0005	mg/L	0.0200		89.8	82.6-117	5.55	6.06	
1,4-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		100	81.7-118	1.53	7.71	
1,4-Dioxane	1.30	0.020	mg/L	2.00		64.9	-34.6-193	12.3	35.2	
1.2.3-trichloropropane	0.018	0.0005	mg/L	0.0200		90.2	44.7-168	19.9	49.2	
2,2-Dichloropropane	0.021	0.0005	mg/L	0.0200		107	62.9-136	6.92	9.62	
2-Butanone	0.049	0.002	mg/L	0.0400		123	24.1-159	21.5	14.2	QR-04
2-Chlorotoluene	0.018	0.0005	mg/L	0.0200		88.8	80.2-121	8.26	8.62	
2-Hexanone	0.038	0.001	mg/L	0.0400		94.6	56.3-139	51.3	7.28	QR-04
Surrogate: 4-Bromofluorobenzene	*0.0473*		mg/L	*0.0500*		*94.6*	*76.4-114*			
4-Chlorotoluene	0.019	0.0005	mg/L	0.0200		93.8	82.2-125	6.15	15.5	
4-Methyl-2-pentanone	0.041	0.001	mg/L	0.0400		103	60.7-139	46.6	7.57	QR-04
Acetone	0.073	0.010	mg/L	0.0400		181	39.1-168	2.13	30.5	BS1
Acrolein	0.278	0.005	mg/L	0.200		139	26.6-161	13.4	22.4	
Acrylonitrile	0.050	0.002	mg/L	0.0400		126	64.9-135	23.2	7.62	QR-04
Benzene	0.020	0.0005	mg/L	0.0200		97.9	69.4-129	2.48	4.16	
Bromobenzene	0.021	0.0005	mg/L	0.0200		104	83.5-115	2.97	8.41	
Bromochloromethane	0.019	0.0005	mg/L	0.0200		97.0	70.7-123	0.463	5.16	
Bromodichloromethane	0.020	0.0005	mg/L	0.0200		98.1	80.3-119	3.41	5.36	
Bromoform	0.020	0.0005	mg/L	0.0200		102	71.1-141	10.9	14.1	
Bromomethane	0.020	0.0005	mg/L	0.0200		97.6	55.1-143	8.53	21.5	
Carbon disulfide	0.051	0.001	mg/L	0.0400		128	53.6-147	18.2	20.3	
Carbon tetrachloride	0.020	0.0005	mg/L	0.0200		99.6	79.5-125	8.13	11.4	
Chlorobenzene	0.019	0.0005	mg/L	0.0200		95.8	85.1-115	4.69	5.18	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/24 15:11

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4121709 - Volatiles (Continued)										
LCS Dup (4121709-BSD1) (Continued)			Prepared & Analyzed: 12/17/24							
Chloroethane	0.018	0.0005	mg/L	0.0200		88.8	36.9-159	14.5	24.1	
Chloroform	0.019	0.0005	mg/L	0.0200		97.2	80.9-119	3.83	5.15	
Chloromethane	0.018	0.0005	mg/L	0.0200		90.6	54.2-142	0.776	27	
cis-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		105	73.8-128	1.98	5.73	
cis-1,3-Dichloropropene	0.019	0.0005	mg/L	0.0200		96.9	82.5-122	5.67	6.09	
Dibromochloromethane	0.020	0.0005	mg/L	0.0200		101	83.1-124	2.40	7.24	
Surrogate: Dibromofluoromethane	*0.0529*		mg/L	*0.0500*		*106*	*82.4-141*			
Dibromomethane	0.021	0.0005	mg/L	0.0200		104	77-118	7.65	5.75	QR-04
Dichlorodifluoromethane	0.020	0.0005	mg/L	0.0200		101	38.7-147	6.83	22.6	
Ethylbenzene	0.018	0.0005	mg/L	0.0200		92.3	70.2-130	3.09	4.83	
Hexachlorobutadiene	0.023	0.0005	mg/L	0.0200		115	78.9-148	6.17	18.4	
Iodomethane	0.041	0.001	mg/L	0.0400		103	63.5-135	4.77	24.3	
Isopropylbenzene	0.020	0.0005	mg/L	0.0200		101	85-124	0.591	6.25	
m+p - Xylene	0.039	0.001	mg/L	0.0400		97.7	71.9-133	1.02	5.77	
Methyl tert-butyl ether	0.042	0.001	mg/L	0.0400		105	57.7-137	12.1	12.8	
Methylene chloride	0.022	0.0005	mg/L	0.0200		111	49.3-163	9.04	19.7	
Naphthalene	0.021	0.0005	mg/L	0.0200		106	62.1-141	23.1	33.5	
n-Butylbenzene	0.024	0.0005	mg/L	0.0200		118	75.4-132	0.0424	10.1	
n-Propylbenzene	0.020	0.0005	mg/L	0.0200		99.4	79.6-124	5.62	9.09	
o-Xylene	0.019	0.0005	mg/L	0.0200		96.7	69.4-132	0.464	6.29	
p-Isopropyltoluene	0.021	0.0005	mg/L	0.0200		105	79.8-131	4.35	9.26	
sec-Butylbenzene	0.019	0.0005	mg/L	0.0200		97.2	77.6-133	11.0	9.85	QR-04
Styrene	0.018	0.0005	mg/L	0.0200		87.6	71.7-128	6.03	7.55	
tert-Butylbenzene	0.020	0.0005	mg/L	0.0200		97.5	78.8-128	5.29	18.6	
Tetrachloroethene	0.020	0.0005	mg/L	0.0200		98.3	74.2-128	2.16	6.38	
Toluene	0.018	0.0005	mg/L	0.0200		89.1	68.1-127	2.60	5.67	
Surrogate: Toluene-d8	*0.0501*		mg/L	*0.0500*		*100*	*87.1-110*			
Total Xylenes	0.058	0.001	mg/L	0.0600		97.4	71.6-132	0.835	5.83	
trans-1,2-Dichloroethene	0.019	0.0005	mg/L	0.0200		93.9	65.2-133	8.81	19.1	
trans-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		103	84-123	4.21	6.26	
trans-1,4-Dichloro-2-butene	0.045	0.010	mg/L	0.0400		112	9.3-235	0.808	92.8	
Trichloroethene	0.020	0.0005	mg/L	0.0200		99.8	79.3-114	7.43	4.92	QR-04
Trichlorofluoromethane	0.020	0.0005	mg/L	0.0200		101	28.6-162	11.9	19.8	
Vinyl acetate	0.023	0.0005	mg/L	0.0200		113	50.9-135	18.7	7.84	QR-04
Vinyl chloride	0.019	0.0005	mg/L	0.0200		94.6	61.6-133	11.8	23	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/24 15:11

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS2	Blank spike recovery below laboratory acceptance criteria. Results for analyte potentially biased low.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/24 15:11

Qualifier Summary

LabNumber	Analysis	Analyte	Qualifier	TextBody
4121709-BS1	Volatile 8260	1,1,2,2-Tetrachloroethane	BS2	Blank spike recovery below laboratory acceptance criteria. Results for analyte potentially biased low.
4121709-BS1	Volatile 8260	1,2-Dibromo-3-chloropropane	BS2	Blank spike recovery below laboratory acceptance criteria. Results for analyte potentially biased low.
4121709-BS1	Volatile 8260	2-Hexanone	BS2	Blank spike recovery below laboratory acceptance criteria. Results for analyte potentially biased low.
4121709-BS1	Volatile 8260	Acetone	BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
4121709-BS1	Volatile 8260	Carbon disulfide	BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
4121709-BSD1	Volatile 8260	1,1,2,2-Tetrachloroethane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121709-BSD1	Volatile 8260	1,1-Dichloroethane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121709-BSD1	Volatile 8260	1,2-Dibromo-3-chloropropane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121709-BSD1	Volatile 8260	1,2-Dibromoethane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121709-BSD1	Volatile 8260	2-Butanone	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121709-BSD1	Volatile 8260	2-Hexanone	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121709-BSD1	Volatile 8260	4-Methyl-2-pentanone	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121709-BSD1	Volatile 8260	Acetone	BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
4121709-BSD1	Volatile 8260	Acrylonitrile	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121709-BSD1	Volatile 8260	Dibromomethane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121709-BSD1	Volatile 8260	sec-Butylbenzene	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121709-BSD1	Volatile 8260	Trichloroethene	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121709-BSD1	Volatile 8260	Vinyl acetate	QR-04	The RPD for the BS/BSD was outside of historical limits.

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

GAL Analytical Laboratories
75 Suttle Street
Durango, CO 81303
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006, R 8.0

Note: Wite-Out™ or similar products cannot be used on the Chain of Custody

Company or Client: Cottonwood Consulting LLC

Address: PO Box 1653

City: Durango **State:** CO **Zip:** 81302

Phone #: 970-764-7356

Contact Person: Kyle Siesser

Email Report to: ksiesser@cottonwoodconsulting.com

Project Name(optional): GCU #204E

Sampler Name (Print): Dylan Songer / Kelsey O'Brien

Bill to (if different):

P.O. #:

Rush? Y ☐ N ☐ TAT Needed?

ANALYSIS REQUEST

Lab I.D. (Lab Use Only)	Sample Name or Location	Collected Date	Collected Time	Matrix (check one): GROUNDWATER	SURFACE WATER	WASTEWATER	PRODUCED WATER	DRINKING WATER	SOIL	OTHER:	# of containers: No preservation	Nitric Acid	Hydrochloric Acid	Sulfuric Acid	Sodium Hydroxide	OTHER:	EPA Method 8260B (VOCs)
2412-103 01	1) MW #5	12/10/24	0920	✓									4				✓
	2)																
	3)																
	4)																
	5)																
	6)																
	7)																
	8)																
	9)																
	10)																

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 12/10/24 Time: 1650	**Received By:**	Date: 12.10.24 Time: 16:50	ADDITIONAL REMARKS:
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	Temperature at receipt: 10.3 °C; Checked by: ; On Ice? Y / N; Therm. used:

† GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com

* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

Page 1 of 1

Analytical Laboratories

Date/Initials of person examining contents:	12.11.24 COV
Labeled by initials: (if different than above)	

SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood Consulting **Work Order #** 2412-103

Courier: ☐Fed Ex ☐UPS ☐USPS ☑Client ☐ Kangaroo ☐ Third Party ☐Other

Custody Seals on Box/Cooler Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: _____

Thermometer Used: #2 Samples on ice, cooling process has begun: ☑Yes ☐ No

Type of Ice: ☑ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 10.3 °C Correction Factor: 0 °C Final Temp: 10-3 °C

*Temp should be above freezing 6°C

Compliance: ☐ Yes ☑ No

Chain of Custody Filled Out:	☑Yes ☐No	1.
COC Signed when Relinquished and Received:	☑Yes ☐No	2.
Sampler Name and Signature on COC: *Required for compliance	☑Yes ☐No	3.
Samples arrived within hold time:	☑Yes ☐No	4.
Correct Containers Used & Intact:	☑Yes ☐No	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested: *3 day TAT or less requires supervisor approval	☐Yes ☑No	7. Approved By:
Sufficient Volume:	☑Yes ☐No	8.
pH's acceptable upon receipt, where applicable: *Not including metals bottles	☐Yes ☐No ☑N/A	9.
Dissolved Testing Needed: Field Filtered: ☐Yes ☐No	☐Yes ☑No	10.
Sample Labels match COC: -Includes Date/Time/ID	☑Yes ☐No	11.
Matrix:	WS SL OT	
Trip Blank Present:	☐Yes ☐No ☑N/A	12.
Trip Blank Custody Seals Present:	☐Yes ☐No ☑N/A	
VOA's meet headspace requirement (<6mm bubbles)	☑Yes ☐No ☐N/A	
Non-Conformance(s):	☐Yes ☑No	13.

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

FORM-039, Rev 3

Page 1 of 1

COTTONWOOD CONSULTING LLC

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : **SIMCOE LLC**

GCU # 204E - BLOW PIT
UNIT I, SEC. 34, T28N, R12W

LABORATORY (S) USED : GAL

Date : 6/12/24

DEVELOPER / SAMPLER : KO IDS

WELL #	WELL ELEV. (ft)	WATER ELEV. (ft)	DEPTH TO WATER (ft)	TOTAL DEPTH (ft)	SAMPLING TIME	pH	CONDUCT (umhos)	TEMP. (celcius)	VOLUME PURGED (gal.)
1	103.89	7.86	19.14	27.00	-	-	-	-	-
2R	99.42	~~17.75~~ 5.59	17.11	22.65	-	-	-	-	-
3	95.65	11.2	13.80	25.00	-	-	-	-	-
3-SH	96.52	-	-	17.50	-	-	-	-	-
4	98.62	5.72	16.22	21.94	-	-	-	-	-
4-SH	98.59	-	-	17.50	-	-	-	-	-
5	95.96	7.26	14.52	21.78	0910	6.59	1539	17.1	3.5
5-SH	95.77	-	-	16.50	-	-	-	-	-
6	96.87	-	-	23.00	-	-	-	-	-
7	-	-	-	19.22	-	-	-	-	-

NOTES : Volume of water purged from well prior to sampling: V = pi x r^2 x h x 7.48 gal./ft^3) x 3 (wellbores).
(i.e. 2" MW r = (1/12) ft. h = 1 ft.) (i.e. 4" MW r = (2/12) ft. h = 1 ft.)

Ideally a minimum of three (3) wellbore volumes: 2.00" well diameter = 0.49 gal./ft. of water.

Comments or note well diameter if not standard 2".

ORC sock in MW #1, #2R, #5, #5-SH.

Top of casing MW # 1 ~ 2.40 ft., MW # 2R ~ 2.23 ft., MW # 3 ~ 2.30 ft., MW # 4 ~ 2.63 ft., MW # 5 ~ 2.25 ft., MW # 6 ~ 3.00 ft., MW # 3-SH ~ 2.50 ft., MW # 4-SH ~ 2.50 ft., MW # 5-SH ~ 2.50 ft. above grade.

on-site		temp	
off-site		temp	
sky cond.			
wind speed		direct.	

COTTONWOOD CONSULTING LLC

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : SIMCOE LLC

GCU # 204E - BLOW PIT
UNIT I, SEC. 34, T28N, R12W

LABORATORY (S) USED : GAL

Date : 9/17/24

DEVELOPER / SAMPLER : KO/DS

WELL #	WELL ELEV. (ft)	WATER ELEV. (ft)	DEPTH TO WATER (ft)	TOTAL DEPTH (ft)	SAMPLING TIME	pH	CONDUCT (umhos)	TEMP. (celcius)	VOLUME PURGED (gal.)
1	103.89	8,70	18.30	27.00	-	-	-	-	-
2R	99.42	5,83	16,82	22.65	-	-	-	-	-
3	95.65	10,74	14,26	25.00	-	-	-	-	-
3-SH	96.52	-	-	17.50	-	-	-	-	-
4	98.62	5,80	16,14	21.94	-	-	-	-	-
4-SH	98.59	-	-	17.50	-	-	-	-	-
5	95.96	7,01	14.69	21.78	1020	6,95	1276	17,1	3,5
5-SH	95.77	-	-	16.50	-	-	-	-	-
6	96.87	-	-	23.00	-	-	-	-	-
7	-	-	-	19.22	-	-	-	-	-

NOTES : Volume of water purged from well prior to sampling: V = pi x r^2 x h x 7.48 gal./ft^3) x 3 (wellbores),
(i.e. 2" MW r = (1/12) ft. h = 1 ft.) (i.e. 4" MW r = (2/12) ft. h = 1 ft.)

Ideally a minimum of three (3) wellbore volumes: 2.00" well diameter = 0.49 gal./ft. of water.

Comments or note well diameter if not standard 2".

ORC sock in MW #1, #2R, #5, #5-SH.

Top of casing MW # 1 ~ 2.40 ft., MW # 2R ~ 2.23 ft., MW # 3 ~ 2.30 ft., MW # 4 ~ 2.63 ft., MW # 5 ~ 2.25 ft., MW # 6 ~ 3.00 ft., MW # 3-SH ~ 2.50 ft., MW # 4-SH ~ 2.50 ft., MW # 5-SH ~ 2.50 ft. above grade.

on-site	0930	temp	60
off-site		temp	
sky cond.	Rain		
wind speed	0-5	direct.	S

COTTONWOOD CONSULTING LLC

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : SIMCOE LLC

GCU # 204E - BLOW PIT
UNIT I, SEC. 34, T28N, R12W

LABORATORY (S) USED : GAL

Date : 12/10/24

DEVELOPER / SAMPLER : DS/KO

WELL #	WELL ELEV. (ft)	WATER ELEV. (ft)	DEPTH TO WATER (ft)	TOTAL DEPTH (ft)	SAMPLING TIME	pH	CONDUCT (umhos)	TEMP. (celcius)	VOLUME PURGED (gal.)
1	103.89		17.42	27.00	-	-	-	-	-
2R	99.42		16.13	22.65	-	-	-	-	-
3	95.65		13.35	25.00	-	-	-	-	-
3-SH	96.52	-	-	17.50	-	-	-	-	-
4	98.62		16.67	21.94	-	-	-	-	-
4-SH	98.59	-	-	17.50	-	-	-	-	-
5	95.96	6.89	14.89	21.78	0920	8.33	1560	12.7	3.38
5-SH	95.77	-	-	16.50	-	-	-	-	-
6	96.87	-	-	23.00	-	-	-	-	-
7	-	-	-	19.22	-	-	-	-	-

NOTES : Volume of water purged from well prior to sampling: V = pi x r^2 x h x 7.48 gal./ft^3) x 3 (wellbores).
(i.e. 2" MW r = (1/12) ft. h = 1 ft.) (i.e. 4" MW r = (2/12) ft. h = 1 ft.)

Ideally a minimum of three (3) wellbore volumes: 2.00" well diameter = 0.49 gal./ft. of water.

Comments or note well diameter if not standard 2".

ORC sock in MW #1, #2R, #5, #5-SH.

Top of casing MW # 1 ~ 2.40 ft., MW # 2R ~ 2.23 ft., MW # 3 ~ 2.30 ft., MW # 4 ~ 2.63 ft., MW # 5 ~ 2.25 ft., MW # 6 ~ 3.00 ft., MW # 3-SH ~ 2.50 ft., MW # 4-SH ~ 2.50 ft., MW # 5-SH ~ 2.50 ft. above grade.

on-site		temp	
off-site		temp	
sky cond.			
wind speed		direct.	

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 415774

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 415774
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
jburdine	GCU #204E Groundwater Monitoring Lab Report(s) accepted for the record. Analysis and sampling information is included for wells on site. DTW and field notes included for other wells. Sampling event took place semiannually all four (4) quarters in 2024.	6/27/2025