RECEIVED
By Mike Buchanan at 1:44 pm, Sep 12, 2023

Review of the Gallegos Canyon 204E 2022 Annual Report: **Content Satisfactory**
1. Continue to conduct groundwater monitoring for the site as prescribed by NMOCD.
2. Submit the 2023 Annual Report to NMOCD on or before April 1, 2024.

Gallegos Canyon Unit 204 E
nCS2102237267
30-045-25262
2022 Annual Report

COTTONWOOD CONSULTING LLC

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : SIMCOE LLC

CHAIN-OF-CUSTODY # : N / A

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

LABORATORY (S) USED : GAL

Date : 3/16/22

DEVELOPER / SAMPLER : E. Millar/Jacob Hater

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	-	23.03	27.00	-	-	-	-	-
2R	99.42	-	22.46	22.65	-	-	-	-	-
3	95.65	-	21.40	25.00	-	-	-	-	-
3-SH	96.52	-	-	17.50	-	-	-	-	-
4	98.62	-	18.79	21.94	-	-	-	-	-
4-SH	98.59	-	-	17.50	-	-	-	-	-
5	95.96	-	17.20	21.78	1100	7.34	1200	13.1	2.25
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 r2 X h X 7.48 gal./ft3) 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 ".

Good recovery in MW #5. Water sl. tint.

Removed 4 ORC socks from MW #5 & 5 orc socks from MW #3.
Installed one ORC sock in MW1, MW 2R, & MW5, & MW5-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	1035	temp	~50°F
off-site	1145	temp	~50°F
sky cond.	partly cloudy		
wind speed	<5 mph	direct.	

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Durango, CO 81303
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30 March 2022

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: VOC 8260

Enclosed are the results of analyses for samples received by the laboratory on 03/16/22 14:00. 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,

Debbie Zufelt
Reports 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: T104704514-22-13

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: T104704398-21-14

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www.GreenAnalytical.com

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	03/30/22 09:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #5	2203146-01	Water	03/16/22 11:00	03/16/22 14:00	

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

GREEN Analytical Laboratories

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	03/30/22 09:59

MW #5

2203146-01 (Ground Water)

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

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Dichlorodifluoromethane*	<0.001	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
Chloromethane*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
Vinyl chloride*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
Bromomethane*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
Chloroethane*	<0.001	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
Trichlorofluoromethane*	<0.001	0.001	0.00006	mg/L	2	03/25/22 13:59	8260B		MS
1,1-Dichloroethene*	<0.001	0.001	0.0003	mg/L	2	03/25/22 13:59	8260B		MS
Carbon disulfide*	<0.002	0.002	0.0006	mg/L	2	03/25/22 13:59	8260B		MS
Iodomethane	<0.002	0.002	0.0003	mg/L	2	03/25/22 13:59	8260B		MS
Acrolein*	<0.010	0.010	0.001	mg/L	2	03/25/22 13:59	8260B		MS
Methylene chloride*	<0.004	0.004	0.0006	mg/L	2	03/25/22 13:59	8260B		MS
Acetone*	<0.020	0.020	0.012	mg/L	2	03/25/22 13:59	8260B		MS
trans-1,2-Dichloroethene*	<0.001	0.001	0.0004	mg/L	2	03/25/22 13:59	8260B		MS
Methyl t-Butyl Ether*	<0.002	0.002	0.0005	mg/L	2	03/25/22 13:59	8260B		MS
1,1-Dichloroethane*	<0.001	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
Acrylonitrile*	<0.004	0.004	0.003	mg/L	2	03/25/22 13:59	8260B		MS
Vinyl acetate*	<0.001	0.001	0.0007	mg/L	2	03/25/22 13:59	8260B		MS
cis-1,2-Dichloroethene*	<0.001	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
2,2-Dichloropropane*	<0.001	0.001	0.0006	mg/L	2	03/25/22 13:59	8260B		MS
Bromochloromethane*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
Chloroform*	<0.001	0.001	0.00009	mg/L	2	03/25/22 13:59	8260B		MS
Carbon tetrachloride*	<0.001	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
1,1,1-Trichloroethane*	<0.001	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
1,1-Dichloropropene*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
2-Butanone*	<0.004	0.004	0.003	mg/L	2	03/25/22 13:59	8260B		MS
Benzene*	**0.093**	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
1,2-Dichloroethane*	<0.001	0.001	0.0003	mg/L	2	03/25/22 13:59	8260B		MS
Trichloroethene*	<0.001	0.001	0.0003	mg/L	2	03/25/22 13:59	8260B		MS
Dibromomethane*	<0.001	0.001	0.0003	mg/L	2	03/25/22 13:59	8260B		MS
1,2-Dichloropropane*	<0.001	0.001	0.0003	mg/L	2	03/25/22 13:59	8260B		MS
Bromodichloromethane*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
cis-1,3-Dichloropropene*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	03/30/22 09:59

MW #5

2203146-01 (Ground Water)

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

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Toluene*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
4-Methyl-2-pentanone*	<0.002	0.002	0.0003	mg/L	2	03/25/22 13:59	8260B		MS
Tetrachloroethene*	<0.001	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
trans-1,3-Dichloropropene*	<0.001	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
1,1,2-Trichloroethane*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
Dibromochloromethane*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
1,3-Dichloropropane*	<0.001	0.001	0.00002	mg/L	2	03/25/22 13:59	8260B		MS
1,2-Dibromoethane*	<0.001	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
2-Hexanone*	<0.002	0.002	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
Chlorobenzene*	<0.001	0.001	0.00004	mg/L	2	03/25/22 13:59	8260B		MS
Ethylbenzene*	**0.058**	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
1,1,1,2-Tetrachloroethane*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
m+p - Xylene*	**0.162**	0.002	0.0009	mg/L	2	03/25/22 13:59	8260B		MS
o-Xylene*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
Total Xylenes*	**0.162**	0.002	0.001	mg/L	2	03/25/22 13:59	8260B		MS
Bromoform*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
Styrene*	<0.001	0.001	0.00003	mg/L	2	03/25/22 13:59	8260B		MS
Isopropylbenzene*	**0.008**	0.001	0.00005	mg/L	2	03/25/22 13:59	8260B		MS
Bromobenzene*	<0.001	0.001	0.00007	mg/L	2	03/25/22 13:59	8260B		MS
n-Propylbenzene*	**0.007**	0.001	0.00002	mg/L	2	03/25/22 13:59	8260B		MS
1,1,2,2-Tetrachloroethane*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
2-Chlorotoluene*	<0.001	0.001	0.00008	mg/L	2	03/25/22 13:59	8260B		MS
1.2.3-trichloropropane*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
1,3,5-Trimethylbenzene*	**0.006**	0.001	0.00007	mg/L	2	03/25/22 13:59	8260B		MS
trans-1,4-Dichloro-2-butene	<0.020	0.020	0.012	mg/L	2	03/25/22 13:59	8260B		MS
4-Chlorotoluene*	<0.001	0.001	0.00006	mg/L	2	03/25/22 13:59	8260B		MS
tert-Butylbenzene*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
1,2,4-Trimethylbenzene*	**0.030**	0.001	0.00007	mg/L	2	03/25/22 13:59	8260B		MS
sec-Butylbenzene*	**0.002**	0.001	0.00004	mg/L	2	03/25/22 13:59	8260B		MS
p-Isopropyltoluene*	**0.002**	0.001	0.00006	mg/L	2	03/25/22 13:59	8260B		MS
1,3-Dichlorobenzene*	<0.001	0.001	0.00007	mg/L	2	03/25/22 13:59	8260B		MS
1,4 Dichlorobenzene*	<0.001	0.001	0.00008	mg/L	2	03/25/22 13:59	8260B		MS

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	03/30/22 09:59

MW #5

2203146-01 (Ground Water)

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

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
VOLATILES BY GC/MS									
n-Butylbenzene*	<0.001	0.001	0.00006	mg/L	2	03/25/22 13:59	8260B		MS
1,2-Dichlorobenzene*	<0.001	0.001	0.0001	mg/L	2	03/25/22 13:59	8260B		MS
1,2-Dibromo-3-chloropropane*	<0.001	0.001	0.0005	mg/L	2	03/25/22 13:59	8260B		MS
Hexachlorobutadiene*	<0.001	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
1,2,4-Trichlorobenzene*	<0.001	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
Naphthalene*	**0.007**	0.001	0.00007	mg/L	2	03/25/22 13:59	8260B		MS
1,2,3-Trichlorobenzene*	<0.001	0.001	0.0002	mg/L	2	03/25/22 13:59	8260B		MS
1,4-Dioxane	<0.200	0.200	0.057	mg/L	2	03/25/22 13:59	8260B		MS
Surrogate: Dibromofluoromethane			*99.6 %*	*82.4-141*		*03/25/22 13:59*	*8260B*		MS
Surrogate: Toluene-d8			*103 %*	*87.1-110*		*03/25/22 13:59*	*8260B*		MS
Surrogate: 4-Bromofluorobenzene			*92.5 %*	*76.4-114*		*03/25/22 13:59*	*8260B*		MS

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	03/30/22 09:59

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2032212 - Volatiles										
Blank (2032212-BLK1)				Prepared: 03/22/22 Analyzed: 03/23/22						
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	0.100	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	*0.0229*		mg/L	*0.0250*		*91.4*	*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							

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Debbie Zufelt, Reports Manager

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	03/30/22 09:59

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2032212 - Volatiles (Continued)										
Blank (2032212-BLK1) (Continued)			Prepared: 03/22/22 Analyzed: 03/23/22							
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*		*101*	*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 t-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	*0.0256*		mg/L	*0.0250*		*102*	*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							

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	03/30/22 09:59

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2032212 - Volatiles (Continued)										
LCS (2032212-BS1)			Prepared: 03/22/22 Analyzed: 03/23/22							
1,1,1,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		101	89.5-111			
1,1,1-Trichloroethane	0.020	0.0005	mg/L	0.0200		99.8	85.1-117			
1,1,2,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		101	68.8-127			
1,1,2-Trichloroethane	0.020	0.0005	mg/L	0.0200		102	77.4-118			
1,1-Dichloroethane	0.020	0.0005	mg/L	0.0200		102	78.1-121			
1,1-Dichloroethene	0.020	0.0005	mg/L	0.0200		100	64-124			
1,1-Dichloropropene	0.020	0.0005	mg/L	0.0200		101	81-122			
1,2,3-Trichlorobenzene	0.021	0.0005	mg/L	0.0200		104	85.7-115			
1,2,4-Trichlorobenzene	0.021	0.0005	mg/L	0.0200		104	83.5-117			
1,2,4-Trimethylbenzene	0.022	0.0005	mg/L	0.0200		112	78.4-126			
1,2-Dibromo-3-chloropropane	0.020	0.0005	mg/L	0.0200		98.4	77.2-116			
1,2-Dibromoethane	0.021	0.0005	mg/L	0.0200		103	88.6-113			
1,2-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		102	86.5-111			
1,2-Dichloroethane	0.019	0.0005	mg/L	0.0200		93.3	75.6-120			
1,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		95.6	76.8-121			
1,3,5-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		107	79.2-127			
1,3-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		101	87.7-112			
1,3-Dichloropropane	0.020	0.0005	mg/L	0.0200		98.2	82.1-119			
1,4 Dichlorobenzene	0.019	0.0005	mg/L	0.0200		97.0	85.2-111			
1,4-Dioxane	0.393	0.100	mg/L	0.400		98.2	-34.9-102			
1.2.3-trichloropropane	0.030	0.0005	mg/L	0.0200		149	53.2-135			BS1
2,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		95.0	74.3-136			
2-Butanone	0.039	0.002	mg/L	0.0400		96.7	65.6-132			
2-Chlorotoluene	0.021	0.0005	mg/L	0.0200		103	78.3-123			
2-Hexanone	0.042	0.001	mg/L	0.0400		104	66.6-126			
Surrogate: 4-Bromofluorobenzene	*0.0237*		mg/L	*0.0250*		*94.9*	*76.4-114*			
4-Chlorotoluene	0.021	0.0005	mg/L	0.0200		107	76.8-129			
4-Methyl-2-pentanone	0.043	0.001	mg/L	0.0400		107	67.7-128			
Acetone	0.040	0.010	mg/L	0.0400		99.2	54.3-140			
Acrolein	0.174	0.005	mg/L	0.200		87.1	29.4-149			
Acrylonitrile	0.046	0.002	mg/L	0.0400		115	60.8-143			
Benzene	0.020	0.0005	mg/L	0.0200		99.6	82.7-115			
Bromobenzene	0.020	0.0005	mg/L	0.0200		98.4	85.1-112			
Bromochloromethane	0.019	0.0005	mg/L	0.0200		94.1	77.8-118			
Bromodichloromethane	0.020	0.0005	mg/L	0.0200		98.5	82.7-118			
Bromoform	0.024	0.0005	mg/L	0.0200		119	76.1-133			
Bromomethane	0.019	0.0005	mg/L	0.0200		95.1	61.1-126			
Carbon disulfide	0.040	0.001	mg/L	0.0400		101	67.2-128			
Carbon tetrachloride	0.019	0.0005	mg/L	0.0200		97.0	89.7-117			

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	03/30/22 09:59

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2032212 - Volatiles (Continued)										
LCS (2032212-BS1) (Continued)			Prepared: 03/22/22 Analyzed: 03/23/22							
Chlorobenzene	0.020	0.0005	mg/L	0.0200		98.4	86.2-112			
Chloroethane	0.019	0.0005	mg/L	0.0200		93.1	62.4-125			
Chloroform	0.020	0.0005	mg/L	0.0200		98.0	86.7-115			
Chloromethane	0.022	0.0005	mg/L	0.0200		108	47.1-145			
cis-1,2-Dichloroethene	0.020	0.0005	mg/L	0.0200		99.8	76-117			
cis-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		106	80.9-123			
Dibromochloromethane	0.023	0.0005	mg/L	0.0200		113	88.7-121			
Surrogate: Dibromofluoromethane	*0.0254*		mg/L	*0.0250*		*101*	*82.4-141*			
Dibromomethane	0.019	0.0005	mg/L	0.0200		92.8	86.4-114			
Dichlorodifluoromethane	0.021	0.0005	mg/L	0.0200		104	36.1-160			
Ethylbenzene	0.021	0.0005	mg/L	0.0200		104	84.3-117			
Hexachlorobutadiene	0.023	0.0005	mg/L	0.0200		116	94.3-116			
Iodomethane	0.043	0.001	mg/L	0.0400		108	77.4-124			
Isopropylbenzene	0.020	0.0005	mg/L	0.0200		99.8	88.1-114			
m+p - Xylene	0.042	0.001	mg/L	0.0400		105	85.9-122			
Methyl t-Butyl Ether	0.042	0.001	mg/L	0.0400		106	78.9-118			
Methylene chloride	0.021	0.0005	mg/L	0.0200		106	64.2-134			
Naphthalene	0.022	0.0005	mg/L	0.0200		111	80.6-121			
n-Butylbenzene	0.021	0.0005	mg/L	0.0200		106	82.2-123			
n-Propylbenzene	0.021	0.0005	mg/L	0.0200		106	78.9-125			
o-Xylene	0.021	0.0005	mg/L	0.0200		105	85.6-112			
p-Isopropyltoluene	0.022	0.0005	mg/L	0.0200		112	82.5-123			
sec-Butylbenzene	0.022	0.0005	mg/L	0.0200		111	82.1-128			
Styrene	0.020	0.0005	mg/L	0.0200		99.4	78.3-117			
tert-Butylbenzene	0.022	0.0005	mg/L	0.0200		109	79.5-129			
Tetrachloroethene	0.020	0.0005	mg/L	0.0200		99.4	86.6-110			
Toluene	0.020	0.0005	mg/L	0.0200		98.8	82.8-112			
Surrogate: Toluene-d8	*0.0254*		mg/L	*0.0250*		*102*	*87.1-110*			
Total Xylenes	0.063	0.001	mg/L	0.0600		105	86.5-118			
trans-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		107	69.2-119			
trans-1,3-Dichloropropene	0.022	0.0005	mg/L	0.0200		108	77.4-131			
trans-1,4-Dichloro-2-butene	0.078	0.010	mg/L	0.0400		195	41.4-204			
Trichloroethene	0.018	0.0005	mg/L	0.0200		90.7	82.2-114			
Trichlorofluoromethane	0.020	0.0005	mg/L	0.0200		100	78.2-126			
Vinyl acetate	0.020	0.0005	mg/L	0.0200		101	56.2-148			
Vinyl chloride	0.021	0.0005	mg/L	0.0200		107	62-135			
LCS Dup (2032212-BSD1)			Prepared: 03/22/22 Analyzed: 03/23/22							
1,1,1,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		100	89.5-111	0.695	6.88	

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	03/30/22 09:59

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2032212 - Volatiles (Continued)										
LCS Dup (2032212-BSD1) (Continued)			Prepared: 03/22/22 Analyzed: 03/23/22							
1,1,1-Trichloroethane	0.019	0.0005	mg/L	0.0200		96.8	85.1-117	3.05	7.43	
1,1,2,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		97.9	68.8-127	2.92	8.68	
1,1,2-Trichloroethane	0.020	0.0005	mg/L	0.0200		98.5	77.4-118	3.44	6.82	
1,1-Dichloroethane	0.020	0.0005	mg/L	0.0200		101	78.1-121	1.68	4.3	
1,1-Dichloroethene	0.018	0.0005	mg/L	0.0200		91.5	64-124	9.13	16.5	
1,1-Dichloropropene	0.020	0.0005	mg/L	0.0200		98.5	81-122	2.90	5.47	
1,2,3-Trichlorobenzene	0.019	0.0005	mg/L	0.0200		94.9	85.7-115	8.72	43	
1,2,4-Trichlorobenzene	0.020	0.0005	mg/L	0.0200		99.1	83.5-117	4.92	22.3	
1,2,4-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		106	78.4-126	5.66	8.94	
1,2-Dibromo-3-chloropropane	0.019	0.0005	mg/L	0.0200		93.8	77.2-116	4.68	15.1	
1,2-Dibromoethane	0.020	0.0005	mg/L	0.0200		101	88.6-113	1.57	5.83	
1,2-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		99.4	86.5-111	2.78	8.72	
1,2-Dichloroethane	0.018	0.0005	mg/L	0.0200		89.9	75.6-120	3.71	8.94	
1,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		93.9	76.8-121	1.79	5.51	
1,3,5-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		104	79.2-127	3.17	16.5	
1,3-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		100	87.7-112	0.846	9	
1,3-Dichloropropane	0.020	0.0005	mg/L	0.0200		98.6	82.1-119	0.406	6.06	
1,4 Dichlorobenzene	0.019	0.0005	mg/L	0.0200		93.8	85.2-111	3.30	7.71	
1,4-Dioxane	0.385	0.100	mg/L	0.400		96.2	-34.9-102	2.02	35.2	
1.2.3-trichloropropane	0.022	0.0005	mg/L	0.0200		111	53.2-135	29.4	49.2	
2,2-Dichloropropane	0.018	0.0005	mg/L	0.0200		92.1	74.3-136	3.10	9.62	
2-Butanone	0.038	0.002	mg/L	0.0400		94.5	65.6-132	2.30	14.2	
2-Chlorotoluene	0.020	0.0005	mg/L	0.0200		99.0	78.3-123	3.67	8.62	
2-Hexanone	0.041	0.001	mg/L	0.0400		102	66.6-126	2.65	7.28	
Surrogate: 4-Bromofluorobenzene	*0.0241*		mg/L	*0.0250*		*96.3*	*76.4-114*			
4-Chlorotoluene	0.021	0.0005	mg/L	0.0200		103	76.8-129	3.38	15.5	
4-Methyl-2-pentanone	0.042	0.001	mg/L	0.0400		104	67.7-128	3.24	7.57	
Acetone	0.034	0.010	mg/L	0.0400		83.9	54.3-140	16.8	30.5	
Acrolein	0.159	0.005	mg/L	0.200		79.7	29.4-149	8.93	22.4	
Acrylonitrile	0.044	0.002	mg/L	0.0400		111	60.8-143	3.08	7.62	
Benzene	0.019	0.0005	mg/L	0.0200		97.0	82.7-115	2.65	4.16	
Bromobenzene	0.019	0.0005	mg/L	0.0200		95.0	85.1-112	3.52	8.41	
Bromochloromethane	0.019	0.0005	mg/L	0.0200		92.8	77.8-118	1.45	5.16	
Bromodichloromethane	0.019	0.0005	mg/L	0.0200		95.4	82.7-118	3.25	5.36	
Bromoform	0.022	0.0005	mg/L	0.0200		108	76.1-133	10.0	14.1	
Bromomethane	0.019	0.0005	mg/L	0.0200		93.3	61.1-126	1.96	21.5	
Carbon disulfide	0.037	0.001	mg/L	0.0400		93.5	67.2-128	7.31	20.3	
Carbon tetrachloride	0.019	0.0005	mg/L	0.0200		94.8	89.7-117	2.30	11.4	
Chlorobenzene	0.019	0.0005	mg/L	0.0200		96.8	86.2-112	1.69	5.18	

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	03/30/22 09:59

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2032212 - Volatiles (Continued)										
LCS Dup (2032212-BSD1) (Continued)			Prepared: 03/22/22 Analyzed: 03/23/22							
Chloroethane	0.018	0.0005	mg/L	0.0200		89.6	62.4-125	3.78	24.1	
Chloroform	0.019	0.0005	mg/L	0.0200		96.6	86.7-115	1.44	5.15	
Chloromethane	0.021	0.0005	mg/L	0.0200		107	47.1-145	1.02	27	
cis-1,2-Dichloroethene	0.020	0.0005	mg/L	0.0200		100	76-117	0.600	5.73	
cis-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		106	80.9-123	0.0944	6.09	
Dibromochloromethane	0.021	0.0005	mg/L	0.0200		106	88.7-121	5.71	7.24	
Surrogate: Dibromofluoromethane	*0.0253*		mg/L	*0.0250*		*101*	*82.4-141*			
Dibromomethane	0.019	0.0005	mg/L	0.0200		93.3	86.4-114	0.483	5.75	
Dichlorodifluoromethane	0.020	0.0005	mg/L	0.0200		102	36.1-160	2.63	22.6	
Ethylbenzene	0.021	0.0005	mg/L	0.0200		103	84.3-117	0.819	4.83	
Hexachlorobutadiene	0.021	0.0005	mg/L	0.0200		106	94.3-116	9.03	18.4	
Iodomethane	0.040	0.001	mg/L	0.0400		101	77.4-124	6.39	24.3	
Isopropylbenzene	0.020	0.0005	mg/L	0.0200		98.4	88.1-114	1.41	6.25	
m+p - Xylene	0.042	0.001	mg/L	0.0400		104	85.9-122	1.46	5.77	
Methyl t-Butyl Ether	0.042	0.001	mg/L	0.0400		104	78.9-118	1.76	12.8	
Methylene chloride	0.020	0.0005	mg/L	0.0200		101	64.2-134	5.16	19.7	
Naphthalene	0.021	0.0005	mg/L	0.0200		103	80.6-121	7.21	33.5	
n-Butylbenzene	0.020	0.0005	mg/L	0.0200		101	82.2-123	5.25	10.1	
n-Propylbenzene	0.020	0.0005	mg/L	0.0200		101	78.9-125	4.29	9.09	
o-Xylene	0.021	0.0005	mg/L	0.0200		103	85.6-112	1.68	6.29	
p-Isopropyltoluene	0.021	0.0005	mg/L	0.0200		107	82.5-123	4.39	9.26	
sec-Butylbenzene	0.021	0.0005	mg/L	0.0200		107	82.1-128	3.95	9.85	
Styrene	0.019	0.0005	mg/L	0.0200		96.2	78.3-117	3.22	7.55	
tert-Butylbenzene	0.021	0.0005	mg/L	0.0200		104	79.5-129	4.79	18.6	
Tetrachloroethene	0.020	0.0005	mg/L	0.0200		97.7	86.6-110	1.73	6.38	
Toluene	0.019	0.0005	mg/L	0.0200		96.8	82.8-112	2.10	5.67	
Surrogate: Toluene-d8	*0.0254*		mg/L	*0.0250*		*102*	*87.1-110*			
Total Xylenes	0.062	0.001	mg/L	0.0600		104	86.5-118	1.53	5.83	
trans-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		104	69.2-119	2.55	19.1	
trans-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		105	77.4-131	3.11	6.26	
trans-1,4-Dichloro-2-butene	0.066	0.010	mg/L	0.0400		166	41.4-204	16.2	92.8	
Trichloroethene	0.018	0.0005	mg/L	0.0200		91.6	82.2-114	0.987	4.92	
Trichlorofluoromethane	0.019	0.0005	mg/L	0.0200		95.6	78.2-126	5.05	19.8	
Vinyl acetate	0.020	0.0005	mg/L	0.0200		99.1	56.2-148	1.60	7.84	
Vinyl chloride	0.021	0.0005	mg/L	0.0200		105	62-135	2.50	23	

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	03/30/22 09:59

Notes and Definitions

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

Debbie Zufelt

Debbie Zufelt, Reports Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

GAL Analytical Laboratories
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Fax: (970) 247-4227
service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company Name: Cottonwood Consulting LLC	Bill to (if different):
Project Manager: Kyle Siesser	P.O. #:
Address: PO Box 1653	Company:
City: Durango **State:** CO **Zip:** 81302	Attn:
Phone #: 970-764-7356 **Email:** ksiesser@cottonwoodconsulting.com	Address:
Additional Report To:	City:
Project Name: GCU #204E	State: Zip:
Project Number:	Phone #:
Sampler Name (Print): Emma Millar/Jacob Harter	Fax or Email:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample Name or Location	Collected Date	Collected Time	Matrix (check one): GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	OTHER :	# of containers: No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	EPA Method 8260
2203-146-0	MW #5	3/16/22	1100	X								4				X

Relinquished By:	**Date:** 3/16/22 **Time:** 1400	Received By: Linda Stumpf
Relinquished By:	Date: Time:	Received By:
Relinquished By:	Date: Time:	Received By:

ADDITIONAL REMARKS: on Dec Page 1 #2

Report to State? (Circle) Yes (No)

Delivered By: (Circle One) (Sampler) UPS - FedEx - Kangaroo - Other:

Temperature at reciept: 13.9°C CHECKED BY:

† GAL cannot always accept verbal changes. Please fax or email written change requests.

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

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 : 6/8/22

DEVELOPER / SAMPLER : EM / KS

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	–	23.30	27.00	-	-	-	-	-
2R	99.42	–	22.48	22.65	-	-	-	-	-
3	95.65	–	14.95	25.00	-	-	-	-	-
3-SH	96.52	-	-	17.50	-	-	-	-	-
4	98.62	–	18.46	21.94	-	-	-	-	-
4-SH	98.59	-	-	17.50	-	-	-	-	-
5	95.96	–	16.45	21.78	1310	7.35	1150	19.4	2.6
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. Sample from MW #5. Water clear, light brown tint, sheen, HC odor.

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	1245	temp	~90°F
off-site		temp	~90°F
sky cond.	clear		
wind speed	light	direct. –	

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16 June 2022

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: VOC 8260

Enclosed are the results of analyses for samples received by the laboratory on 06/08/22 17:00. 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,

Brenna Kampf
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: T104704514-22-14

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: T104704398-22-15

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/16/22 09:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #5	2206100-01	Water	06/08/22 13:10	06/08/22 17:00	

Green Analytical Laboratories

Brenna Kampf, Project Manager

GREEN Analytical Laboratories

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/16/22 09:35

MW #5

2206100-01 (Ground Water)

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

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Dichlorodifluoromethane*	<0.0005	0.0005	0.00009	mg/L	1	06/13/22 18:27	8260B		MS
Chloromethane*	<0.0005	0.0005	0.00006	mg/L	1	06/13/22 18:27	8260B		MS
Vinyl chloride*	<0.0005	0.0005	0.00005	mg/L	1	06/13/22 18:27	8260B		MS
Bromomethane*	<0.0005	0.0005	0.00005	mg/L	1	06/13/22 18:27	8260B		MS
Chloroethane*	<0.0005	0.0005	0.0001	mg/L	1	06/13/22 18:27	8260B		MS
Trichlorofluoromethane*	<0.0005	0.0005	0.00003	mg/L	1	06/13/22 18:27	8260B		MS
1,1-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	06/13/22 18:27	8260B		MS
Carbon disulfide*	<0.001	0.001	0.0003	mg/L	1	06/13/22 18:27	8260B		MS
Iodomethane	<0.001	0.001	0.0001	mg/L	1	06/13/22 18:27	8260B		MS
Acrolein*	<0.005	0.005	0.0007	mg/L	1	06/13/22 18:27	8260B		MS
Methylene chloride*	<0.0005	0.0005	0.0003	mg/L	1	06/13/22 18:27	8260B		MS
Acetone*	**0.015**	0.010	0.006	mg/L	1	06/13/22 18:27	8260B		MS
trans-1,2-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	06/13/22 18:27	8260B		MS
Methyl t-Butyl Ether*	<0.001	0.001	0.0003	mg/L	1	06/13/22 18:27	8260B		MS
1,1-Dichloroethane*	<0.0005	0.0005	0.00008	mg/L	1	06/13/22 18:27	8260B		MS
Acrylonitrile*	<0.002	0.002	0.002	mg/L	1	06/13/22 18:27	8260B		MS
Vinyl acetate*	<0.0005	0.0005	0.0004	mg/L	1	06/13/22 18:27	8260B		MS
cis-1,2-Dichloroethene*	<0.0005	0.0005	0.0001	mg/L	1	06/13/22 18:27	8260B		MS
2,2-Dichloropropane*	<0.0005	0.0005	0.0003	mg/L	1	06/13/22 18:27	8260B		MS
Bromochloromethane*	<0.0005	0.0005	0.00007	mg/L	1	06/13/22 18:27	8260B		MS
Chloroform*	<0.0005	0.0005	0.00005	mg/L	1	06/13/22 18:27	8260B		MS
Carbon tetrachloride*	<0.0005	0.0005	0.0001	mg/L	1	06/13/22 18:27	8260B		MS
1,1,1-Trichloroethane*	<0.0005	0.0005	0.0001	mg/L	1	06/13/22 18:27	8260B		MS
1,1-Dichloropropene*	<0.0005	0.0005	0.00007	mg/L	1	06/13/22 18:27	8260B		MS
2-Butanone*	<0.002	0.002	0.002	mg/L	1	06/13/22 18:27	8260B		MS
Benzene*	**0.139**	0.002	0.0004	mg/L	5	06/14/22 10:30	8260B		MS
1,2-Dichloroethane*	<0.0005	0.0005	0.0001	mg/L	1	06/13/22 18:27	8260B		MS
Trichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	06/13/22 18:27	8260B		MS
Dibromomethane*	<0.0005	0.0005	0.0002	mg/L	1	06/13/22 18:27	8260B		MS
1,2-Dichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	06/13/22 18:27	8260B		MS
Bromodichloromethane*	<0.0005	0.0005	0.00007	mg/L	1	06/13/22 18:27	8260B		MS
cis-1,3-Dichloropropene*	<0.0005	0.0005	0.00006	mg/L	1	06/13/22 18:27	8260B		MS

Green Analytical Laboratories

Brenna Kampf, Project Manager

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/16/22 09:35

MW #5

2206100-01 (Ground Water)

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

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Toluene*	<0.0005	0.0005	0.00007	mg/L	1	06/13/22 18:27	8260B		MS
4-Methyl-2-pentanone*	<0.005	0.005	0.0007	mg/L	5	06/14/22 10:30	8260B		MS
Tetrachloroethene*	<0.0005	0.0005	0.0001	mg/L	1	06/13/22 18:27	8260B		MS
trans-1,3-Dichloropropene*	<0.0005	0.0005	0.00008	mg/L	1	06/13/22 18:27	8260B		MS
1,1,2-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	06/13/22 18:27	8260B		MS
Dibromochloromethane*	<0.0005	0.0005	0.00006	mg/L	1	06/13/22 18:27	8260B		MS
1,3-Dichloropropane*	<0.0005	0.0005	0.00001	mg/L	1	06/13/22 18:27	8260B		MS
1,2-Dibromoethane*	<0.0005	0.0005	0.0001	mg/L	1	06/13/22 18:27	8260B		MS
2-Hexanone*	<0.001	0.001	0.0001	mg/L	1	06/13/22 18:27	8260B		MS
Chlorobenzene*	<0.0005	0.0005	0.00002	mg/L	1	06/13/22 18:27	8260B		MS
Ethylbenzene*	**0.097**	0.002	0.0004	mg/L	5	06/14/22 10:30	8260B		MS
1,1,1,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	06/13/22 18:27	8260B		MS
m+p - Xylene*	**0.230**	0.005	0.002	mg/L	5	06/14/22 10:30	8260B		MS
o-Xylene*	<0.002	0.002	0.0003	mg/L	5	06/14/22 10:30	8260B		MS
Total Xylenes*	**0.230**	0.005	0.003	mg/L	5	06/14/22 10:30	8260B		MS
Bromoform*	<0.0005	0.0005	0.00006	mg/L	1	06/13/22 18:27	8260B		MS
Styrene*	<0.0005	0.0005	0.00002	mg/L	1	06/13/22 18:27	8260B		MS
Isopropylbenzene*	**0.023**	0.0005	0.00002	mg/L	1	06/13/22 18:27	8260B		MS
Bromobenzene*	<0.0005	0.0005	0.00003	mg/L	1	06/13/22 18:27	8260B		MS
n-Propylbenzene*	**0.018**	0.0005	0.00001	mg/L	1	06/13/22 18:27	8260B		MS
1,1,2,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	06/13/22 18:27	8260B		MS
2-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	06/13/22 18:27	8260B		MS
1.2.3-trichloropropane*	<0.0005	0.0005	0.00005	mg/L	1	06/13/22 18:27	8260B		MS
1,3,5-Trimethylbenzene*	**0.006**	0.0005	0.00003	mg/L	1	06/13/22 18:27	8260B		MS
trans-1,4-Dichloro-2-butene	<0.010	0.010	0.006	mg/L	1	06/13/22 18:27	8260B		MS
4-Chlorotoluene*	<0.0005	0.0005	0.00003	mg/L	1	06/13/22 18:27	8260B		MS
tert-Butylbenzene*	**0.0006**	0.0005	0.00006	mg/L	1	06/13/22 18:27	8260B		MS
1,2,4-Trimethylbenzene*	**0.066**	0.0005	0.00003	mg/L	1	06/13/22 18:27	8260B		MS
sec-Butylbenzene*	**0.004**	0.0005	0.00002	mg/L	1	06/13/22 18:27	8260B		MS
p-Isopropyltoluene*	**0.003**	0.0005	0.00003	mg/L	1	06/13/22 18:27	8260B		MS
1,3-Dichlorobenzene*	<0.0005	0.0005	0.00004	mg/L	1	06/13/22 18:27	8260B		MS
1,4 Dichlorobenzene*	<0.0005	0.0005	0.00004	mg/L	1	06/13/22 18:27	8260B		MS

Green Analytical Laboratories

Brenna Kampf, Project Manager

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/16/22 09:35

MW #5

2206100-01 (Ground Water)

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

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
VOLATILES BY GC/MS									
n-Butylbenzene*	<0.0005	0.0005	0.00003	mg/L	1	06/13/22 18:27	8260B		MS
1,2-Dichlorobenzene*	<0.0005	0.0005	0.00006	mg/L	1	06/13/22 18:27	8260B		MS
1,2-Dibromo-3-chloropropane*	<0.0005	0.0005	0.0002	mg/L	1	06/13/22 18:27	8260B		MS
Hexachlorobutadiene*	<0.0005	0.0005	0.0001	mg/L	1	06/13/22 18:27	8260B		MS
1,2,4-Trichlorobenzene*	<0.0005	0.0005	0.00009	mg/L	1	06/13/22 18:27	8260B		MS
Naphthalene*	**0.012**	0.0005	0.00004	mg/L	1	06/13/22 18:27	8260B		MS
1,2,3-Trichlorobenzene*	<0.0005	0.0005	0.0001	mg/L	1	06/13/22 18:27	8260B		MS
1,4-Dioxane	<0.100	0.100	0.029	mg/L	1	06/13/22 18:27	8260B		MS
Surrogate: Dibromofluoromethane			*106 %*	*82.4-141*		*06/13/22 18:27*	*8260B*		MS
Surrogate: Toluene-d8			*101 %*	*87.1-110*		*06/13/22 18:27*	*8260B*		MS
Surrogate: 4-Bromofluorobenzene			*103 %*	*76.4-114*		*06/13/22 18:27*	*8260B*		MS

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/16/22 09:35

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2061316 - Volatiles										
Blank (2061316-BLK1)				Prepared & Analyzed: 06/13/22						
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	0.100	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	*0.0248*		mg/L	*0.0250*		*99.0*	*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

Brenna Kampf, Project Manager

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/16/22 09:35

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2061316 - Volatiles (Continued)										
Blank (2061316-BLK1) (Continued)			Prepared & Analyzed: 06/13/22							
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	*0.0261*		mg/L	*0.0250*		*104*	*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 t-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	*0.0252*		mg/L	*0.0250*		*101*	*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

Brenna Kampf, Project Manager

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Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/16/22 09:35

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2061316 - Volatiles (Continued)										
LCS (2061316-BS1)			Prepared & Analyzed: 06/13/22							
1,1,1,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		107	89.5-111			
1,1,1-Trichloroethane	0.021	0.0005	mg/L	0.0200		105	85.1-117			
1,1,2,2-Tetrachloroethane	0.022	0.0005	mg/L	0.0200		109	68.8-127			
1,1,2-Trichloroethane	0.022	0.0005	mg/L	0.0200		109	77.4-118			
1,1-Dichloroethane	0.019	0.0005	mg/L	0.0200		95.4	78.1-121			
1,1-Dichloroethene	0.022	0.0005	mg/L	0.0200		110	64-124			
1,1-Dichloropropene	0.020	0.0005	mg/L	0.0200		98.4	81-122			
1,2,3-Trichlorobenzene	0.027	0.0005	mg/L	0.0200		134	85.7-115			BS1
1,2,4-Trichlorobenzene	0.026	0.0005	mg/L	0.0200		130	83.5-117			BS1
1,2,4-Trimethylbenzene	0.022	0.0005	mg/L	0.0200		110	78.4-126			
1,2-Dibromo-3-chloropropane	0.025	0.0005	mg/L	0.0200		123	77.2-116			BS1
1,2-Dibromoethane	0.021	0.0005	mg/L	0.0200		106	88.6-113			
1,2-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		106	86.5-111			
1,2-Dichloroethane	0.022	0.0005	mg/L	0.0200		111	75.6-120			
1,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		92.6	76.8-121			
1,3,5-Trimethylbenzene	0.022	0.0005	mg/L	0.0200		109	79.2-127			
1,3-Dichlorobenzene	0.022	0.0005	mg/L	0.0200		112	87.7-112			
1,3-Dichloropropane	0.020	0.0005	mg/L	0.0200		102	82.1-119			
1,4 Dichlorobenzene	0.022	0.0005	mg/L	0.0200		110	85.2-111			
1,4-Dioxane	0.540	0.100	mg/L	0.400		135	-34.9-102			BS1
1.2.3-trichloropropane	0.019	0.0005	mg/L	0.0200		94.1	53.2-135			
2,2-Dichloropropane	0.021	0.0005	mg/L	0.0200		104	74.3-136			
2-Butanone	0.049	0.002	mg/L	0.0400		123	65.6-132			
2-Chlorotoluene	0.021	0.0005	mg/L	0.0200		104	78.3-123			
2-Hexanone	0.046	0.001	mg/L	0.0400		116	66.6-126			
Surrogate: 4-Bromofluorobenzene	*0.0251*		mg/L	*0.0250*		*100*	*76.4-114*			
4-Chlorotoluene	0.021	0.0005	mg/L	0.0200		103	76.8-129			
4-Methyl-2-pentanone	0.048	0.001	mg/L	0.0400		120	67.7-128			
Acetone	0.056	0.010	mg/L	0.0400		141	54.3-140			BS1
Acrolein	0.200	0.005	mg/L	0.200		99.9	29.4-149			
Acrylonitrile	0.045	0.002	mg/L	0.0400		112	60.8-143			
Benzene	0.021	0.0005	mg/L	0.0200		103	82.7-115			
Bromobenzene	0.020	0.0005	mg/L	0.0200		99.3	85.1-112			
Bromochloromethane	0.020	0.0005	mg/L	0.0200		98.0	77.8-118			
Bromodichloromethane	0.022	0.0005	mg/L	0.0200		112	82.7-118			
Bromoform	0.026	0.0005	mg/L	0.0200		131	76.1-133			
Bromomethane	0.021	0.0005	mg/L	0.0200		103	61.1-126			
Carbon disulfide	0.040	0.001	mg/L	0.0400		101	67.2-128			
Carbon tetrachloride	0.023	0.0005	mg/L	0.0200		113	89.7-117			

Green Analytical Laboratories

Brenna Kampf, Project Manager

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www.GreenAnalytical.com

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/16/22 09:35

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2061316 - Volatiles (Continued)										
LCS (2061316-BS1) (Continued)			Prepared & Analyzed: 06/13/22							
Chlorobenzene	0.020	0.0005	mg/L	0.0200		102	86.2-112			
Chloroethane	0.019	0.0005	mg/L	0.0200		97.2	62.4-125			
Chloroform	0.021	0.0005	mg/L	0.0200		107	86.7-115			
Chloromethane	0.018	0.0005	mg/L	0.0200		90.8	47.1-145			
cis-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		103	76-117			
cis-1,3-Dichloropropene	0.022	0.0005	mg/L	0.0200		111	80.9-123			
Dibromochloromethane	0.023	0.0005	mg/L	0.0200		116	88.7-121			
Surrogate: Dibromofluoromethane	*0.0261*		mg/L	*0.0250*		*104*	*82.4-141*			
Dibromomethane	0.021	0.0005	mg/L	0.0200		107	86.4-114			
Dichlorodifluoromethane	0.016	0.0005	mg/L	0.0200		80.7	36.1-160			
Ethylbenzene	0.020	0.0005	mg/L	0.0200		99.6	84.3-117			
Hexachlorobutadiene	0.026	0.0005	mg/L	0.0200		132	94.3-116			BS1
Iodomethane	0.042	0.001	mg/L	0.0400		104	77.4-124			
Isopropylbenzene	0.022	0.0005	mg/L	0.0200		111	88.1-114			
m+p - Xylene	0.044	0.001	mg/L	0.0400		110	85.9-122			
Methyl t-Butyl Ether	0.041	0.001	mg/L	0.0400		102	78.9-118			
Methylene chloride	0.016	0.0005	mg/L	0.0200		82.2	64.2-134			
Naphthalene	0.027	0.0005	mg/L	0.0200		135	80.6-121			BS1
n-Butylbenzene	0.025	0.0005	mg/L	0.0200		124	82.2-123			BS1
n-Propylbenzene	0.021	0.0005	mg/L	0.0200		106	78.9-125			
o-Xylene	0.022	0.0005	mg/L	0.0200		108	85.6-112			
p-Isopropyltoluene	0.023	0.0005	mg/L	0.0200		116	82.5-123			
sec-Butylbenzene	0.022	0.0005	mg/L	0.0200		110	82.1-128			
Styrene	0.021	0.0005	mg/L	0.0200		103	78.3-117			
tert-Butylbenzene	0.023	0.0005	mg/L	0.0200		117	79.5-129			
Tetrachloroethene	0.021	0.0005	mg/L	0.0200		107	86.6-110			
Toluene	0.021	0.0005	mg/L	0.0200		104	82.8-112			
Surrogate: Toluene-d8	*0.0250*		mg/L	*0.0250*		*100*	*87.1-110*			
Total Xylenes	0.066	0.001	mg/L	0.0600		109	86.5-118			
trans-1,2-Dichloroethene	0.022	0.0005	mg/L	0.0200		110	69.2-119			
trans-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		107	77.4-131			
trans-1,4-Dichloro-2-butene	0.049	0.010	mg/L	0.0400		121	41.4-204			
Trichloroethene	0.020	0.0005	mg/L	0.0200		102	82.2-114			
Trichlorofluoromethane	0.021	0.0005	mg/L	0.0200		106	78.2-126			
Vinyl acetate	0.019	0.0005	mg/L	0.0200		96.2	56.2-148			
Vinyl chloride	0.017	0.0005	mg/L	0.0200		86.0	62-135			
LCS Dup (2061316-BSD1)			Prepared & Analyzed: 06/13/22							
1,1,1,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		106	89.5-111	1.12	6.88	

Green Analytical Laboratories

Brenna Kampf, Project Manager

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www.GreenAnalytical.com

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/16/22 09:35

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2061316 - Volatiles (Continued)										
LCS Dup (2061316-BSD1) (Continued)			Prepared & Analyzed: 06/13/22							
1,1,1-Trichloroethane	0.021	0.0005	mg/L	0.0200		105	85.1-117	0.572	7.43	
1,1,2,2-Tetrachloroethane	0.019	0.0005	mg/L	0.0200		96.0	68.8-127	12.4	8.68	QR-04
1,1,2-Trichloroethane	0.022	0.0005	mg/L	0.0200		109	77.4-118	0.0459	6.82	
1,1-Dichloroethane	0.019	0.0005	mg/L	0.0200		96.6	78.1-121	1.25	4.3	
1,1-Dichloroethene	0.022	0.0005	mg/L	0.0200		108	64-124	1.79	16.5	
1,1-Dichloropropene	0.020	0.0005	mg/L	0.0200		102	81-122	3.50	5.47	
1,2,3-Trichlorobenzene	0.021	0.0005	mg/L	0.0200		106	85.7-115	23.6	43	
1,2,4-Trichlorobenzene	0.022	0.0005	mg/L	0.0200		108	83.5-117	17.8	22.3	
1,2,4-Trimethylbenzene	0.020	0.0005	mg/L	0.0200		102	78.4-126	7.62	8.94	
1,2-Dibromo-3-chloropropane	0.021	0.0005	mg/L	0.0200		104	77.2-116	16.5	15.1	QR-04
1,2-Dibromoethane	0.020	0.0005	mg/L	0.0200		102	88.6-113	3.78	5.83	
1,2-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		97.7	86.5-111	8.53	8.72	
1,2-Dichloroethane	0.022	0.0005	mg/L	0.0200		108	75.6-120	2.42	8.94	
1,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		93.0	76.8-121	0.377	5.51	
1,3,5-Trimethylbenzene	0.020	0.0005	mg/L	0.0200		102	79.2-127	7.20	16.5	
1,3-Dichlorobenzene	0.022	0.0005	mg/L	0.0200		108	87.7-112	3.77	9	
1,3-Dichloropropane	0.020	0.0005	mg/L	0.0200		102	82.1-119	0.539	6.06	
1,4 Dichlorobenzene	0.021	0.0005	mg/L	0.0200		104	85.2-111	4.91	7.71	
1,4-Dioxane	0.429	0.100	mg/L	0.400		107	-34.9-102	23.0	35.2	BS1
1.2.3-trichloropropane	0.024	0.0005	mg/L	0.0200		120	53.2-135	23.8	49.2	
2,2-Dichloropropane	0.021	0.0005	mg/L	0.0200		103	74.3-136	0.917	9.62	
2-Butanone	0.041	0.002	mg/L	0.0400		102	65.6-132	18.3	14.2	QR-04
2-Chlorotoluene	0.020	0.0005	mg/L	0.0200		98.7	78.3-123	5.57	8.62	
2-Hexanone	0.039	0.001	mg/L	0.0400		98.2	66.6-126	16.4	7.28	QR-04
Surrogate: 4-Bromofluorobenzene	*0.0252*		mg/L	*0.0250*		*101*	*76.4-114*			
4-Chlorotoluene	0.020	0.0005	mg/L	0.0200		99.4	76.8-129	3.61	15.5	
4-Methyl-2-pentanone	0.042	0.001	mg/L	0.0400		105	67.7-128	13.2	7.57	QR-04
Acetone	0.043	0.010	mg/L	0.0400		109	54.3-140	25.6	30.5	
Acrolein	0.168	0.005	mg/L	0.200		84.2	29.4-149	17.1	22.4	
Acrylonitrile	0.039	0.002	mg/L	0.0400		97.5	60.8-143	14.2	7.62	QR-04
Benzene	0.020	0.0005	mg/L	0.0200		101	82.7-115	2.15	4.16	
Bromobenzene	0.019	0.0005	mg/L	0.0200		96.2	85.1-112	3.12	8.41	
Bromochloromethane	0.019	0.0005	mg/L	0.0200		94.2	77.8-118	3.85	5.16	
Bromodichloromethane	0.021	0.0005	mg/L	0.0200		105	82.7-118	6.12	5.36	QR-04
Bromoform	0.023	0.0005	mg/L	0.0200		117	76.1-133	11.3	14.1	
Bromomethane	0.021	0.0005	mg/L	0.0200		105	61.1-126	1.69	21.5	
Carbon disulfide	0.039	0.001	mg/L	0.0400		97.0	67.2-128	3.64	20.3	
Carbon tetrachloride	0.022	0.0005	mg/L	0.0200		112	89.7-117	1.02	11.4	
Chlorobenzene	0.020	0.0005	mg/L	0.0200		99.0	86.2-112	2.79	5.18	

Green Analytical Laboratories

Brenna Kampf, Project Manager

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www.GreenAnalytical.com

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/16/22 09:35

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2061316 - Volatiles (Continued)										
LCS Dup (2061316-BSD1) (Continued)			Prepared & Analyzed: 06/13/22							
Chloroethane	0.019	0.0005	mg/L	0.0200		97.0	62.4-125	0.154	24.1	
Chloroform	0.021	0.0005	mg/L	0.0200		107	86.7-115	0.0466	5.15	
Chloromethane	0.019	0.0005	mg/L	0.0200		94.0	47.1-145	3.35	27	
cis-1,2-Dichloroethene	0.020	0.0005	mg/L	0.0200		101	76-117	1.47	5.73	
cis-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		107	80.9-123	3.71	6.09	
Dibromochloromethane	0.023	0.0005	mg/L	0.0200		114	88.7-121	2.13	7.24	
Surrogate: Dibromofluoromethane	*0.0261*		mg/L	*0.0250*		*105*	*82.4-141*			
Dibromomethane	0.021	0.0005	mg/L	0.0200		103	86.4-114	3.57	5.75	
Dichlorodifluoromethane	0.016	0.0005	mg/L	0.0200		80.8	36.1-160	0.124	22.6	
Ethylbenzene	0.020	0.0005	mg/L	0.0200		99.6	84.3-117	0.0502	4.83	
Hexachlorobutadiene	0.024	0.0005	mg/L	0.0200		122	94.3-116	7.17	18.4	BS1
Iodomethane	0.041	0.001	mg/L	0.0400		103	77.4-124	1.28	24.3	
Isopropylbenzene	0.021	0.0005	mg/L	0.0200		106	88.1-114	4.24	6.25	
m+p - Xylene	0.044	0.001	mg/L	0.0400		110	85.9-122	0.0909	5.77	
Methyl t-Butyl Ether	0.039	0.001	mg/L	0.0400		98.0	78.9-118	4.05	12.8	
Methylene chloride	0.015	0.0005	mg/L	0.0200		77.0	64.2-134	6.47	19.7	
Naphthalene	0.021	0.0005	mg/L	0.0200		106	80.6-121	23.5	33.5	
n-Butylbenzene	0.021	0.0005	mg/L	0.0200		107	82.2-123	14.7	10.1	QR-04
n-Propylbenzene	0.020	0.0005	mg/L	0.0200		97.8	78.9-125	8.05	9.09	
o-Xylene	0.021	0.0005	mg/L	0.0200		104	85.6-112	3.35	6.29	
p-Isopropyltoluene	0.020	0.0005	mg/L	0.0200		99.4	82.5-123	15.5	9.26	QR-04
sec-Butylbenzene	0.020	0.0005	mg/L	0.0200		98.1	82.1-128	11.3	9.85	QR-04
Styrene	0.021	0.0005	mg/L	0.0200		105	78.3-117	1.83	7.55	
tert-Butylbenzene	0.021	0.0005	mg/L	0.0200		103	79.5-129	12.5	18.6	
Tetrachloroethene	0.022	0.0005	mg/L	0.0200		110	86.6-110	3.36	6.38	
Toluene	0.021	0.0005	mg/L	0.0200		104	82.8-112	0.00	5.67	
Surrogate: Toluene-d8	*0.0254*		mg/L	*0.0250*		*102*	*87.1-110*			
Total Xylenes	0.065	0.001	mg/L	0.0600		108	86.5-118	1.03	5.83	
trans-1,2-Dichloroethene	0.022	0.0005	mg/L	0.0200		108	69.2-119	1.93	19.1	
trans-1,3-Dichloropropene	0.022	0.0005	mg/L	0.0200		109	77.4-131	1.76	6.26	
trans-1,4-Dichloro-2-butene	0.032	0.010	mg/L	0.0400		81.1	41.4-204	39.7	92.8	
Trichloroethene	0.021	0.0005	mg/L	0.0200		104	82.2-114	1.12	4.92	
Trichlorofluoromethane	0.020	0.0005	mg/L	0.0200		98.8	78.2-126	7.18	19.8	
Vinyl acetate	0.018	0.0005	mg/L	0.0200		88.0	56.2-148	8.91	7.84	QR-04
Vinyl chloride	0.017	0.0005	mg/L	0.0200		86.8	62-135	0.984	23	

Green Analytical Laboratories

Brenna Kampf, Project Manager

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www.GreenAnalytical.com

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/16/22 09:35

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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

Brenna Kampf, Project Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Green Analytical Laboratories
(970) 247-4220
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service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company Name: Cottonwood Consulting LLC
Project Manager: Kyle Siesser
Address: PO Box 1653
City: Durango State: CO Zip: 81302
Phone #: 970-764-7356 Email: ksiesser@cottonwoodconsulting.com
Additional Report To:
Project Name: GCU #204E
Project Number:
Sampler Name (Print): Emma Millar/Kyle Siesser

Bill to (if different):
P.O. #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax or Email:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample Name or Location	Collected Date	Collected Time	Matrix (check one) GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	OTHER :	# of containers No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	EPA Method 8260
2206-100 -01	MW #5	6/8/22	1310	X								4				X

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. 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: 6/8/22 Time: 1700	Received By: Linda Tompson
Relinquished By:	Date: Time:	Received By:
Relinquished By:	Date: Time:	Received By:

ADDITIONAL REMARKS:

Report to State? (Circle) Yes (No)

Delivered By: (Circle One) (Sampler) UPS - FedEx - Kangaroo - Other:

Temperature at reciept: 10.2°C

CHECKED BY:

nice Lasers #2

† GAL cannot always accept verbal changes. Please fax or email written change requests.
* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.

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 : 9/14/22

DEVELOPER / SAMPLER : EM, 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	-	22.74	27.00	-	-	-	-	-
2R	99.42	-	22.52	22.65	-	-	-	-	-
3	95.65	-	15.57	25.00	-	-	-	-	-
3-SH	96.52	-	-	17.50	-	-	-	-	-
4	98.62	-	17.81	21.94	-	-	-	-	-
4-SH	98.59	-	- 16.03	17.50	-	-	-	-	-
5	95.96	-	~~16.30~~ 21.78		1435	7.53	1206		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.~~ #5, 5SH
2 ORCs in 4-SH - damaged
MW#5 collected 1435, brown tint, HC odor, no bubbles, sheen, black flake sediment

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	1340	temp	~70°F
off-site	1445	temp	~65°F
sky cond.	mostly cloudy		
wind speed		direct.	

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27 September 2022

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: BTEX

Enclosed are the results of analyses for samples received by the laboratory on 09/14/22 16:15. 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,

Jeremy D Allen
Laboratory Director

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: T104704514-22-15

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: T104704398-22-15

jeremy.allen@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/27/22 12:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #5	2209185-01	Water	09/14/22 14:35	09/14/22 16:15	

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/27/22 12:02

MW #5

2209185-01 (Ground Water)

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*	**0.154**	0.001	0.00009	mg/L	1	09/26/22 11:11	8021B	QM-07	JH/
Toluene*	<0.001	0.001	0.0001	mg/L	1	09/26/22 11:11	8021B	GC-NC	JH/
Ethylbenzene*	**0.105**	0.001	0.0002	mg/L	1	09/26/22 11:11	8021B	QM-07	JH/
Total Xylenes*	**0.315**	0.003	0.0003	mg/L	1	09/26/22 11:11	8021B	QM-07	JH/
Total BTEX	**0.575**	0.006	0.001	mg/L	1	09/26/22 11:11	8021B		JH/
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*77.1-124*		*09/26/22 11:11*	*8021B*		JH/

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

GREEN Analytical Laboratories

jeremy.allen@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/27/22 12:02

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 2092227 - Volatiles										
Blank (2092227-BLK1)				Prepared: 09/22/22 Analyzed: 09/26/22						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0502*		mg/L	*0.0500*		*100*	*77.1-124*			
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 (2092227-BS1)				Prepared: 09/22/22 Analyzed: 09/26/22						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0513*		mg/L	*0.0500*		*103*	*77.1-124*			
Benzene	0.017	0.001	mg/L	0.0200		87.2	94.7-118			BS-3
Ethylbenzene	0.017	0.001	mg/L	0.0200		82.5	94-114			BS-3
m,p-Xylene	0.035	0.002	mg/L	0.0400		88.4	94.6-114			BS-3
o-Xylene	0.017	0.001	mg/L	0.0200		85.8	94.6-114			BS-3
Toluene	0.017	0.001	mg/L	0.0200		84.3	89-115			BS-3
Total Xylenes	0.053	0.003	mg/L	0.0600		87.5	94.6-114			BS-3
LCS Dup (2092227-BSD1)				Prepared: 09/22/22 Analyzed: 09/26/22						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0505*		mg/L	*0.0500*		*101*	*77.1-124*			
Benzene	0.018	0.001	mg/L	0.0200		88.6	94.7-118	1.63	3.83	BS-3
Ethylbenzene	0.017	0.001	mg/L	0.0200		82.8	94-114	0.351	3.79	BS-3
m,p-Xylene	0.035	0.002	mg/L	0.0400		87.4	94.6-114	1.16	3.91	BS-3
o-Xylene	0.018	0.001	mg/L	0.0200		88.3	94.6-114	2.87	3.91	BS-3
Toluene	0.017	0.001	mg/L	0.0200		86.2	89-115	2.16	3.48	BS-3
Total Xylenes	0.053	0.003	mg/L	0.0600		87.7	94.6-114	0.175	3.91	BS-3

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/27/22 12:02

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

Jeremy D Allen, Laboratory Director

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

GAL Analytical Laboratories
(970) 247-4220
Fax: (970) 247-4227
service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company Name: Cottonwood Consulting LLC	Bill to (if different):
Project Manager: Kyle Siesser	P.O. #:
Address: PO Box 1653	Company:
City: Durango **State:** CO **Zip:** 81302	Attn:
Phone #: 970-764-7356 **Email:** ksiesser@cottonwoodconsulting.com	Address:
Additional Report To:	City:
Project Name: GCU #204E	State: Zip:
Project Number:	Phone #:
Sampler Name (Print): Emma Millar	Fax or Email:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample Name or Location	Collected Date	Collected Time	Matrix (check one): GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	OTHER :	# of containers: No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	BTEX (EPA Method 8021B)
2209-185 -01	MW #5	~~9/12/22~~ 9/14/22	1435	X								4				X

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. 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:** 9/14/22 **Time:** 1615	Received By:
Relinquished By:	Date: Time:	Received By:
Relinquished By:	Date: Time:	Received By:

ADDITIONAL REMARKS:

Report to State? (Circle) Yes (No)

Delivered By: (Circle One)
(Sampler) UPS - FedEx - Kangaroo - Other:

Temperature at reciept: 18.1 °C

CHECKED BY: VJW

on ice
Laser #2

† GAL cannot always accept verbal changes. Please fax or email written change requests.
* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.

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 : 12/14/22

DEVELOPER / SAMPLER : ~~OEM~~ EM/JA

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	-	21.99	27.00	-	-	-	-	-
2R	99.42	-	dry	22.65	-	-	-	-	-
3	95.65	-	15.91	25.00	-	-	-	-	-
3-SH	96.52	-	-	17.50	-	-	-	-	-
4	98.62	-	17.35	21.94	-	-	-	-	-
4-SH	98.59	-	-	17.50	-	-	-	-	-
5	95.96	-	15.46	21.78	12:50	7.63	1273	10.8	3.0
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.
grey tint, susp silt/sediment

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	12:35	temp	30
off-site		temp	
sky cond.	Clear		
wind speed	15	direct.	West

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27 December 2022

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: BTEX

Enclosed are the results of analyses for samples received by the laboratory on 12/14/22 17:20. 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,

Jeremy D Allen
Laboratory Director

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: T104704514-22-15

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: T104704398-22-15

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www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/27/22 11:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #5	2212190-01	Water	12/14/22 12:50	12/14/22 17:20	

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/27/22 11:52

MW #5

2212190-01 (Ground Water)

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*	**0.030**	0.001	0.00009	mg/L	1	12/21/22 13:57	8021B		JH
Toluene*	<0.001	0.001	0.0001	mg/L	1	12/21/22 13:57	8021B	GC-NC	JH
Ethylbenzene*	**0.021**	0.001	0.0002	mg/L	1	12/21/22 13:57	8021B		JH
Total Xylenes*	**0.046**	0.003	0.0003	mg/L	1	12/21/22 13:57	8021B		JH
Total BTEX	**0.097**	0.006	0.001	mg/L	1	12/21/22 13:57	8021B		JH
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*77.1-124*		*12/21/22 13:57*	*8021B*		JH

Green Analytical Laboratories

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www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/27/22 11:52

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 2121631 - Volatiles										
Blank (2121631-BLK1)				Prepared: 12/16/22 Analyzed: 12/21/22						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0554*		mg/L	*0.0500*		*111*	*77.1-124*			
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 (2121631-BS1)				Prepared: 12/16/22 Analyzed: 12/21/22						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0577*		mg/L	*0.0500*		*115*	*77.1-124*			
Benzene	0.019	0.001	mg/L	0.0200		94.1	94.7-118			BS-3
Ethylbenzene	0.021	0.001	mg/L	0.0200		103	94-114			
m,p-Xylene	0.043	0.002	mg/L	0.0400		107	94.6-114			
o-Xylene	0.022	0.001	mg/L	0.0200		110	94.6-114			
Toluene	0.020	0.001	mg/L	0.0200		97.9	89-115			
Total Xylenes	0.065	0.003	mg/L	0.0600		108	94.6-114			
LCS Dup (2121631-BSD1)				Prepared: 12/16/22 Analyzed: 12/21/22						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0544*		mg/L	*0.0500*		*109*	*77.1-124*			
Benzene	0.019	0.001	mg/L	0.0200		94.9	94.7-118	0.852	3.83	
Ethylbenzene	0.020	0.001	mg/L	0.0200		98.5	94-114	4.58	3.79	QR-04
m,p-Xylene	0.042	0.002	mg/L	0.0400		104	94.6-114	3.28	3.91	
o-Xylene	0.020	0.001	mg/L	0.0200		100	94.6-114	9.25	3.91	QR-04
Toluene	0.020	0.001	mg/L	0.0200		98.1	89-115	0.265	3.48	
Total Xylenes	0.062	0.003	mg/L	0.0600		103	94.6-114	5.27	3.91	QR-04

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

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www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX	
PO Box 1653	Project Name / Number: GCU #204E	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/27/22 11:52

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

Jeremy D Allen, Laboratory Director

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Green Analytical Laboratories
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Fax: (970) 247-4227
service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company Name: Cottonwood Consulting LLC
Project Manager: Kyle Siesser
Address: PO Box 1653
City: Durango State: CO Zip: 81302
Phone #: 970-764-7356 Email: ksiesser@cottonwoodconsulting.com
Additional Report To:
Project Name: GCU #204E
Project Number:
Sampler Name (Print): Emma Millar

Bill to (if different):
P.O. #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax or Email:

FOR LAB USE ONLY Lab I.D.	Sample Name or Location	Collected Date	Collected Time	Matrix (check one) GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	OTHER :	# of containers No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	ANALYSIS REQUEST BTEX (EPA Method 8021B)
2212-190 -01	MW #5	12/14/22	1250	X								4				X

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. 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: 12/14/22 Time: 1720	Received By:	ADDITIONAL REMARKS: Report to State? (Circle) Yes No
Relinquished By:	Date: Time:	Received By:	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - FedEx - Kangaroo - Other:	Temperature at reciept: #2 2.2°C #1	CHECKED BY:	

† GAL cannot always accept verbal changes. Please fax or email written change requests.
* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.

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
District IV
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 187265

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 187265
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the Gallegos Canyon 204E 2022 Annual Report: Content Satisfactory 1. Continue to conduct groundwater monitoring for the site as prescribed by NMOCD. 2. Submit the 2023 Annual Report to NMOCD on or before April 1, 2024.	9/12/2023