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11 April 2024

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: GCU Com H #180

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: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/11/24 08:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #102	2403237-01	Water	03/28/24 12:00	03/28/24 15:05	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/11/24 08:31

MW #102

2403237-01 (Ground Water)
Sampled Date: 03/28/24 12:00

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*	<0.0005	0.0005	0.00006	mg/L	1	04/08/24 14:14	8260B		MS
1,1,1-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	04/08/24 14:14	8260B		MS
1,1,2,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	04/08/24 14:14	8260B		MS
1,1,2-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	04/08/24 14:14	8260B		MS
1,1-Dichloroethane*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:14	8260B		MS
1,1-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:14	8260B		MS
1,1-Dichloropropene*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:14	8260B		MS
1,2,3-Trichlorobenzene*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:14	8260B		MS
1,2,4-Trichlorobenzene*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:14	8260B		MS
1,2,4-Trimethylbenzene*	**0.028**	0.0005	0.00004	mg/L	1	04/08/24 14:14	8260B		MS
1,2-Dibromo-3-chloropropane*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:14	8260B		MS
1,2-Dibromoethane*	<0.0005	0.0005	0.00009	mg/L	1	04/08/24 14:14	8260B		MS
1,2-Dichlorobenzene*	<0.0005	0.0005	0.00007	mg/L	1	04/08/24 14:14	8260B		MS
1,2-Dichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	04/08/24 14:14	8260B		MS
1,2-Dichloropropane*	<0.0005	0.0005	0.00008	mg/L	1	04/08/24 14:14	8260B		MS
1,3,5-Trimethylbenzene*	**0.003**	0.0005	0.00004	mg/L	1	04/08/24 14:14	8260B		MS
1,3-Dichlorobenzene*	<0.0005	0.0005	0.00005	mg/L	1	04/08/24 14:14	8260B		MS
1,3-Dichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:14	8260B		MS
1,4-Dichlorobenzene	<0.0005	0.0005	0.00004	mg/L	1	04/08/24 14:14	8260B		MS
1,4-Dioxane	<0.010	0.010	0.010	mg/L	1	04/08/24 14:14	8260B		MS
1.2.3-trichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:14	8260B		MS
2,2-Dichloropropane*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:14	8260B		MS
2-Butanone*	<0.002	0.002	0.002	mg/L	1	04/08/24 14:14	8260B		MS
2-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	04/08/24 14:14	8260B		MS
2-Hexanone*	<0.001	0.001	0.0003	mg/L	1	04/08/24 14:14	8260B		MS
4-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	04/08/24 14:14	8260B		MS
4-Methyl-2-pentanone*	<0.001	0.001	0.0001	mg/L	1	04/08/24 14:14	8260B		MS
Acetone*	<0.010	0.010	0.0009	mg/L	1	04/08/24 14:14	8260B		MS
Acrolein*	<0.005	0.005	0.001	mg/L	1	04/08/24 14:14	8260B		MS
Acrylonitrile*	<0.002	0.002	0.0008	mg/L	1	04/08/24 14:14	8260B		MS

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/11/24 08:31

MW #102

2403237-01 (Ground Water)
Sampled Date: 03/28/24 12:00

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

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Benzene*	**0.0007**	0.0005	0.00005	mg/L	1	04/08/24 14:14	8260B		MS
Bromobenzene*	<0.0005	0.0005	0.00006	mg/L	1	04/08/24 14:14	8260B		MS
Bromochloromethane*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:14	8260B		MS
Bromodichloromethane*	<0.0005	0.0005	0.00004	mg/L	1	04/08/24 14:14	8260B		MS
Bromoform*	<0.0005	0.0005	0.00009	mg/L	1	04/08/24 14:14	8260B		MS
Bromomethane*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:14	8260B		MS
Carbon disulfide*	<0.005	0.005	0.0001	mg/L	1	04/08/24 14:14	8260B		MS
Carbon tetrachloride*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:14	8260B		MS
Chlorobenzene*	<0.0005	0.0005	0.00004	mg/L	1	04/08/24 14:14	8260B		MS
Chloroethane*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:14	8260B		MS
Chloroform*	<0.0005	0.0005	0.00002	mg/L	1	04/08/24 14:14	8260B		MS
Chloromethane*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:14	8260B		MS
cis-1,2-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:14	8260B		MS
cis-1,3-Dichloropropene*	<0.0005	0.0005	0.00009	mg/L	1	04/08/24 14:14	8260B		MS
Dibromochloromethane*	<0.0005	0.0005	0.00008	mg/L	1	04/08/24 14:14	8260B		MS
Dibromomethane*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:14	8260B		MS
Dichlorodifluoromethane*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:14	8260B		MS
Ethylbenzene*	**0.003**	0.0005	0.00003	mg/L	1	04/08/24 14:14	8260B		MS
Hexachlorobutadiene*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:14	8260B		MS
Iodomethane	<0.001	0.001	0.00006	mg/L	1	04/08/24 14:14	8260B		MS
Isopropylbenzene*	<0.0005	0.0005	0.00002	mg/L	1	04/08/24 14:14	8260B		MS
m+p - Xylene*	**0.018**	0.001	0.00008	mg/L	1	04/08/24 14:14	8260B		MS
Methyl tert-butyl ether	<0.001	0.001	0.0002	mg/L	1	04/08/24 14:14	8260B		MS
Methylene chloride*	<0.002	0.002	0.0005	mg/L	1	04/08/24 14:14	8260B		MS
Naphthalene*	<0.0005	0.0005	0.00008	mg/L	1	04/08/24 14:14	8260B		MS
n-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	04/08/24 14:14	8260B		MS
n-Propylbenzene*	<0.0005	0.0005	0.00005	mg/L	1	04/08/24 14:14	8260B		MS
o-Xylene*	**0.006**	0.0005	0.0001	mg/L	1	04/08/24 14:14	8260B		MS
p-Isopropyltoluene*	**0.010**	0.0005	0.00004	mg/L	1	04/08/24 14:14	8260B		MS
sec-Butylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	04/08/24 14:14	8260B		MS
Styrene*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:14	8260B		MS
tert-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	04/08/24 14:14	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 Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/11/24 08:31

MW #102

2403237-01 (Ground Water)
Sampled Date: 03/28/24 12:00

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

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Tetrachloroethene*	<0.0005	0.0005	0.00009	mg/L	1	04/08/24 14:14	8260B		MS
Toluene*	<0.0005	0.0005	0.00008	mg/L	1	04/08/24 14:14	8260B		MS
Total Xylenes*	**0.023**	0.001	0.0002	mg/L	1	04/08/24 14:14	8260B		MS
trans-1,2-Dichloroethene*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:14	8260B		MS
trans-1,3-Dichloropropene*	<0.0005	0.0005	0.00005	mg/L	1	04/08/24 14:14	8260B		MS
trans-1,4-Dichloro-2-butene	<0.010	0.010	0.0003	mg/L	1	04/08/24 14:14	8260B		MS
Trichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:14	8260B		MS
Trichlorofluoromethane*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:14	8260B		MS
Vinyl acetate*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:14	8260B		MS
Vinyl chloride*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:14	8260B		MS
Surrogate: 4-Bromofluorobenzene			*108 %*	*76.4-114*		*04/08/24 14:14*	*8260B*		MS
Surrogate: Dibromofluoromethane			*89.7 %*	*82.4-141*		*04/08/24 14:14*	*8260B*		MS
Surrogate: Toluene-d8			*103 %*	*87.1-110*		*04/08/24 14:14*	*8260B*		MS

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Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/11/24 08:31

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040332 - Volatiles										
Blank (4040332-BLK1)				Prepared: 04/03/24 Analyzed: 04/04/24						
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	*0.0523*		mg/L	*0.0500*		*105*	*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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Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/11/24 08:31

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040332 - Volatiles (Continued)										
Blank (4040332-BLK1) (Continued)			Prepared: 04/03/24 Analyzed: 04/04/24							
Bromomethane	ND	0.0005	mg/L							
Carbon disulfide	0.001	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	*0.0473*		mg/L	*0.0500*		*94.5*	*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	0.0007	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	*0.0511*		mg/L	*0.0500*		*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							

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/11/24 08:31

VOLATILES BY GC/MS - Quality Control
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040332 - Volatiles (Continued)										
LCS (4040332-BS1)			Prepared: 04/03/24 Analyzed: 04/04/24							
1,1,1,2-Tetrachloroethane	0.022	0.0005	mg/L	0.0200		108	82.4-120			
1,1,1-Trichloroethane	0.019	0.0005	mg/L	0.0200		93.4	80.7-121			
1,1,2,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		99.8	76.5-121			
1,1,2-Trichloroethane	0.021	0.0005	mg/L	0.0200		104	81.7-118			
1,1-Dichloroethane	0.019	0.0005	mg/L	0.0200		94.7	74.8-123			
1,1-Dichloroethene	0.021	0.0005	mg/L	0.0200		103	53.9-149			
1,1-Dichloropropene	0.018	0.0005	mg/L	0.0200		92.4	85.9-115			
1,2,3-Trichlorobenzene	0.019	0.0005	mg/L	0.0200		92.8	76.1-134			
1,2,4-Trichlorobenzene	0.020	0.0005	mg/L	0.0200		100	72.4-136			
1,2,4-Trimethylbenzene	0.022	0.0005	mg/L	0.0200		109	67.4-138			
1,2-Dibromo-3-chloropropane	0.018	0.0005	mg/L	0.0200		89.6	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		98.9	82.5-119			
1,2-Dichloroethane	0.018	0.0005	mg/L	0.0200		89.2	72.5-123			
1,2-Dichloropropane	0.020	0.0005	mg/L	0.0200		97.8	79.4-117			
1,3,5-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		106	69-137			
1,3-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		101	84.4-120			
1,3-Dichloropropane	0.022	0.0005	mg/L	0.0200		108	82.6-117			
1,4-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		101	81.7-118			
1,4-Dioxane	0.594	0.010	mg/L	0.400		149	-34.6-193			
1.2.3-trichloropropane	0.019	0.0005	mg/L	0.0200		94.1	44.7-168			
2,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		93.4	62.9-136			
2-Butanone	0.037	0.002	mg/L	0.0400		91.4	24.1-159			
2-Chlorotoluene	0.021	0.0005	mg/L	0.0200		105	80.2-121			
2-Hexanone	0.034	0.001	mg/L	0.0400		84.5	56.3-139			
Surrogate: 4-Bromofluorobenzene	*0.0506*		mg/L	*0.0500*		*101*	*76.4-114*			
4-Chlorotoluene	0.021	0.0005	mg/L	0.0200		103	82.2-125			
4-Methyl-2-pentanone	0.035	0.001	mg/L	0.0400		87.2	60.7-139			
Acetone	0.037	0.010	mg/L	0.0400		92.8	39.1-168			
Acrolein	0.183	0.005	mg/L	0.200		91.4	26.6-161			
Acrylonitrile	0.034	0.002	mg/L	0.0400		84.7	64.9-135			
Benzene	0.020	0.0005	mg/L	0.0200		97.7	69.4-129			
Bromobenzene	0.026	0.0005	mg/L	0.0200		131	83.5-115			BS1
Bromochloromethane	0.023	0.0005	mg/L	0.0200		113	70.7-123			
Bromodichloromethane	0.020	0.0005	mg/L	0.0200		99.6	80.3-119			
Bromoform	0.022	0.0005	mg/L	0.0200		111	71.1-141			
Bromomethane	0.017	0.0005	mg/L	0.0200		84.7	55.1-143			
Carbon disulfide	0.039	0.001	mg/L	0.0400		98.6	53.6-147			
Carbon tetrachloride	0.020	0.0005	mg/L	0.0200		101	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 Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/11/24 08:31

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040332 - Volatiles (Continued)										
LCS (4040332-BS1) (Continued)			Prepared: 04/03/24 Analyzed: 04/04/24							
Chlorobenzene	0.020	0.0005	mg/L	0.0200		101	85.1-115			
Chloroethane	0.018	0.0005	mg/L	0.0200		88.4	36.9-159			
Chloroform	0.018	0.0005	mg/L	0.0200		92.0	80.9-119			
Chloromethane	0.017	0.0005	mg/L	0.0200		85.4	54.2-142			
cis-1,2-Dichloroethene	0.019	0.0005	mg/L	0.0200		94.6	73.8-128			
cis-1,3-Dichloropropene	0.023	0.0005	mg/L	0.0200		115	82.5-122			
Dibromochloromethane	0.023	0.0005	mg/L	0.0200		114	83.1-124			
Surrogate: Dibromofluoromethane	*0.0483*		mg/L	*0.0500*		*96.6*	*82.4-141*			
Dibromomethane	0.018	0.0005	mg/L	0.0200		88.8	77-118			
Dichlorodifluoromethane	0.018	0.0005	mg/L	0.0200		92.0	38.7-147			
Ethylbenzene	0.021	0.0005	mg/L	0.0200		104	70.2-130			
Hexachlorobutadiene	0.022	0.0005	mg/L	0.0200		108	78.9-148			
Iodomethane	0.036	0.001	mg/L	0.0400		89.2	63.5-135			
Isopropylbenzene	0.022	0.0005	mg/L	0.0200		109	85-124			
m+p - Xylene	0.043	0.001	mg/L	0.0400		108	71.9-133			
Methyl tert-butyl ether	0.035	0.001	mg/L	0.0400		86.7	57.7-137			
Methylene chloride	0.019	0.0005	mg/L	0.0200		97.2	49.3-163			
Naphthalene	0.016	0.0005	mg/L	0.0200		82.4	62.1-141			
n-Butylbenzene	0.023	0.0005	mg/L	0.0200		113	75.4-132			
n-Propylbenzene	0.021	0.0005	mg/L	0.0200		106	79.6-124			
o-Xylene	0.022	0.0005	mg/L	0.0200		109	69.4-132			
p-Isopropyltoluene	0.021	0.0005	mg/L	0.0200		107	79.8-131			
sec-Butylbenzene	0.021	0.0005	mg/L	0.0200		104	77.6-133			
Styrene	0.022	0.0005	mg/L	0.0200		110	71.7-128			
tert-Butylbenzene	0.021	0.0005	mg/L	0.0200		106	78.8-128			
Tetrachloroethene	0.019	0.0005	mg/L	0.0200		94.8	74.2-128			
Toluene	0.022	0.0005	mg/L	0.0200		109	68.1-127			
Surrogate: Toluene-d8	*0.0530*		mg/L	*0.0500*		*106*	*87.1-110*			
Total Xylenes	0.065	0.001	mg/L	0.0600		108	71.6-132			
trans-1,2-Dichloroethene	0.018	0.0005	mg/L	0.0200		89.5	65.2-133			
trans-1,3-Dichloropropene	0.022	0.0005	mg/L	0.0200		111	84-123			
trans-1,4-Dichloro-2-butene	0.138	0.010	mg/L	0.0400		345	9.3-235			BS1
Trichloroethene	0.018	0.0005	mg/L	0.0200		90.6	79.3-114			
Trichlorofluoromethane	0.018	0.0005	mg/L	0.0200		91.1	28.6-162			
Vinyl acetate	0.019	0.0005	mg/L	0.0200		93.9	50.9-135			
Vinyl chloride	0.019	0.0005	mg/L	0.0200		93.9	61.6-133			
LCS Dup (4040332-BSD1)			Prepared: 04/03/24 Analyzed: 04/04/24							
1,1,1,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		103	82.4-120	5.22	6.88	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/11/24 08:31

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040332 - Volatiles (Continued)										
LCS Dup (4040332-BSD1) (Continued)			Prepared: 04/03/24 Analyzed: 04/04/24							
1,1,1-Trichloroethane	0.018	0.0005	mg/L	0.0200		90.4	80.7-121	3.26	7.43	
1,1,2,2-Tetrachloroethane	0.022	0.0005	mg/L	0.0200		108	76.5-121	8.03	8.68	
1,1,2-Trichloroethane	0.021	0.0005	mg/L	0.0200		106	81.7-118	2.53	6.82	
1,1-Dichloroethane	0.018	0.0005	mg/L	0.0200		90.2	74.8-123	4.87	4.3	QR-04
1,1-Dichloroethene	0.020	0.0005	mg/L	0.0200		98.9	53.9-149	3.87	16.5	
1,1-Dichloropropene	0.018	0.0005	mg/L	0.0200		91.8	85.9-115	0.706	5.47	
1,2,3-Trichlorobenzene	0.019	0.0005	mg/L	0.0200		96.6	76.1-134	3.91	43	
1,2,4-Trichlorobenzene	0.020	0.0005	mg/L	0.0200		101	72.4-136	1.04	22.3	
1,2,4-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		105	67.4-138	3.68	8.94	
1,2-Dibromo-3-chloropropane	0.018	0.0005	mg/L	0.0200		89.0	71.7-124	0.672	15.1	
1,2-Dibromoethane	0.021	0.0005	mg/L	0.0200		103	84.9-116	2.22	5.83	
1,2-Dichlorobenzene	0.019	0.0005	mg/L	0.0200		95.4	82.5-119	3.60	8.72	
1,2-Dichloroethane	0.018	0.0005	mg/L	0.0200		88.0	72.5-123	1.47	8.94	
1,2-Dichloropropane	0.020	0.0005	mg/L	0.0200		99.0	79.4-117	1.27	5.51	
1,3,5-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		103	69-137	2.82	16.5	
1,3-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		97.8	84.4-120	3.67	9	
1,3-Dichloropropane	0.021	0.0005	mg/L	0.0200		105	82.6-117	2.81	6.06	
1,4-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		97.7	81.7-118	3.62	7.71	
1,4-Dioxane	0.535	0.010	mg/L	0.400		134	-34.6-193	10.6	35.2	
1.2.3-trichloropropane	0.020	0.0005	mg/L	0.0200		99.9	44.7-168	5.98	49.2	
2,2-Dichloropropane	0.018	0.0005	mg/L	0.0200		90.6	62.9-136	2.99	9.62	
2-Butanone	0.040	0.002	mg/L	0.0400		101	24.1-159	9.64	14.2	
2-Chlorotoluene	0.020	0.0005	mg/L	0.0200		101	80.2-121	3.16	8.62	
2-Hexanone	0.040	0.001	mg/L	0.0400		100	56.3-139	16.8	7.28	QR-04
Surrogate: 4-Bromofluorobenzene	*0.0515*		mg/L	*0.0500*		*103*	*76.4-114*			
4-Chlorotoluene	0.020	0.0005	mg/L	0.0200		101	82.2-125	1.42	15.5	
4-Methyl-2-pentanone	0.040	0.001	mg/L	0.0400		99.8	60.7-139	13.5	7.57	QR-04
Acetone	0.040	0.010	mg/L	0.0400		101	39.1-168	8.64	30.5	
Acrolein	0.197	0.005	mg/L	0.200		98.3	26.6-161	7.24	22.4	
Acrylonitrile	0.038	0.002	mg/L	0.0400		95.7	64.9-135	12.2	7.62	QR-04
Benzene	0.019	0.0005	mg/L	0.0200		96.1	69.4-129	1.65	4.16	
Bromobenzene	0.022	0.0005	mg/L	0.0200		109	83.5-115	18.7	8.41	QR-04
Bromochloromethane	0.017	0.0005	mg/L	0.0200		85.5	70.7-123	27.4	5.16	QR-04
Bromodichloromethane	0.019	0.0005	mg/L	0.0200		96.9	80.3-119	2.75	5.36	
Bromoform	0.024	0.0005	mg/L	0.0200		118	71.1-141	6.14	14.1	
Bromomethane	0.017	0.0005	mg/L	0.0200		83.8	55.1-143	1.13	21.5	
Carbon disulfide	0.037	0.001	mg/L	0.0400		93.5	53.6-147	5.33	20.3	
Carbon tetrachloride	0.019	0.0005	mg/L	0.0200		94.9	79.5-125	6.57	11.4	
Chlorobenzene	0.020	0.0005	mg/L	0.0200		98.0	85.1-115	3.16	5.18	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/11/24 08:31

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040332 - Volatiles (Continued)										
LCS Dup (4040332-BSD1) (Continued)			Prepared: 04/03/24 Analyzed: 04/04/24							
Chloroethane	0.017	0.0005	mg/L	0.0200		86.1	36.9-159	2.58	24.1	
Chloroform	0.017	0.0005	mg/L	0.0200		86.3	80.9-119	6.39	5.15	QR-04
Chloromethane	0.016	0.0005	mg/L	0.0200		82.1	54.2-142	3.88	27	
cis-1,2-Dichloroethene	0.019	0.0005	mg/L	0.0200		93.9	73.8-128	0.796	5.73	
cis-1,3-Dichloropropene	0.022	0.0005	mg/L	0.0200		112	82.5-122	2.78	6.09	
Dibromochloromethane	0.021	0.0005	mg/L	0.0200		106	83.1-124	7.87	7.24	QR-04
Surrogate: Dibromofluoromethane	*0.0481*		mg/L	*0.0500*		*96.1*	*82.4-141*			
Dibromomethane	0.018	0.0005	mg/L	0.0200		87.8	77-118	1.19	5.75	
Dichlorodifluoromethane	0.018	0.0005	mg/L	0.0200		90.0	38.7-147	2.14	22.6	
Ethylbenzene	0.020	0.0005	mg/L	0.0200		102	70.2-130	2.27	4.83	
Hexachlorobutadiene	0.023	0.0005	mg/L	0.0200		114	78.9-148	5.52	18.4	
Iodomethane	0.035	0.001	mg/L	0.0400		88.3	63.5-135	1.01	24.3	
Isopropylbenzene	0.021	0.0005	mg/L	0.0200		107	85-124	1.80	6.25	
m+p - Xylene	0.043	0.001	mg/L	0.0400		107	71.9-133	0.697	5.77	
Methyl tert-butyl ether	0.036	0.001	mg/L	0.0400		89.1	57.7-137	2.67	12.8	
Methylene chloride	0.019	0.0005	mg/L	0.0200		94.4	49.3-163	2.97	19.7	
Naphthalene	0.018	0.0005	mg/L	0.0200		87.8	62.1-141	6.28	33.5	
n-Butylbenzene	0.022	0.0005	mg/L	0.0200		111	75.4-132	1.74	10.1	
n-Propylbenzene	0.021	0.0005	mg/L	0.0200		105	79.6-124	0.332	9.09	
o-Xylene	0.021	0.0005	mg/L	0.0200		103	69.4-132	5.70	6.29	
p-Isopropyltoluene	0.021	0.0005	mg/L	0.0200		106	79.8-131	1.46	9.26	
sec-Butylbenzene	0.021	0.0005	mg/L	0.0200		106	77.6-133	1.66	9.85	
Styrene	0.022	0.0005	mg/L	0.0200		108	71.7-128	2.15	7.55	
tert-Butylbenzene	0.021	0.0005	mg/L	0.0200		103	78.8-128	2.49	18.6	
Tetrachloroethene	0.019	0.0005	mg/L	0.0200		96.2	74.2-128	1.36	6.38	
Toluene	0.021	0.0005	mg/L	0.0200		105	68.1-127	3.36	5.67	
Surrogate: Toluene-d8	*0.0525*		mg/L	*0.0500*		*105*	*87.1-110*			
Total Xylenes	0.064	0.001	mg/L	0.0600		106	71.6-132	2.35	5.83	
trans-1,2-Dichloroethene	0.017	0.0005	mg/L	0.0200		87.0	65.2-133	2.89	19.1	
trans-1,3-Dichloropropene	0.022	0.0005	mg/L	0.0200		108	84-123	2.10	6.26	
trans-1,4-Dichloro-2-butene	0.126	0.010	mg/L	0.0400		315	9.3-235	8.88	92.8	BS1
Trichloroethene	0.018	0.0005	mg/L	0.0200		89.6	79.3-114	1.17	4.92	
Trichlorofluoromethane	0.018	0.0005	mg/L	0.0200		89.8	28.6-162	1.44	19.8	
Vinyl acetate	0.020	0.0005	mg/L	0.0200		97.7	50.9-135	3.97	7.84	
Vinyl chloride	0.019	0.0005	mg/L	0.0200		92.9	61.6-133	1.07	23	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/11/24 08:31

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

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	04/11/24 08:31

Qualifier Summary

LabNumber	Analysis	Analyte	Qualifier	TextBody
4040332-BS1	Volatile 8260	Bromobenzene	BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
4040332-BS1	Volatile 8260	trans-1,4-Dichloro-2-butene	BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
4040332-BSD1	Volatile 8260	1,1-Dichloroethane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4040332-BSD1	Volatile 8260	2-Hexanone	QR-04	The RPD for the BS/BSD was outside of historical limits.
4040332-BSD1	Volatile 8260	4-Methyl-2-pentanone	QR-04	The RPD for the BS/BSD was outside of historical limits.
4040332-BSD1	Volatile 8260	Acrylonitrile	QR-04	The RPD for the BS/BSD was outside of historical limits.
4040332-BSD1	Volatile 8260	Bromobenzene	QR-04	The RPD for the BS/BSD was outside of historical limits.
4040332-BSD1	Volatile 8260	Bromochloromethane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4040332-BSD1	Volatile 8260	Chloroform	QR-04	The RPD for the BS/BSD was outside of historical limits.
4040332-BSD1	Volatile 8260	Dibromochloromethane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4040332-BSD1	Volatile 8260	trans-1,4-Dichloro-2-butene	BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

GAL 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 Com H #180
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: 2403-237)	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 8260 (VOCs)
01	1) MW #102	3/28/24	1200	✓									4				✓
	2)																
	3)																
	4)																
	5)																
	6)																
	7)																
	8)																
	9)																
	10)																

Relinquished By:	Date: 3/28/24 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: MPW; 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 # 2403-237

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

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

Thermometer Used: #17 Samples on ice, cooling process has begun: ☑Yes ☐ No

Type of Ice: ☑Wet ☐ Blue ☐ None

Cooler Temp: Observed Temp: 12.7 °C Correction Factor: 0 °C Final Temp: 12.7 °C

* *Temp should be above freezing to 6°C*

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

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.
Dissolved Testing Needed: Field Filtered: ☐Yes ☐No	☐Yes ☑No	11.
Sample Labels match COC: -Includes Date/Time/ID Matrix:	☑Yes ☐No WT SL OT	12.
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

27 June 2024

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: GCU Com H#180

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

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

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H#180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/27/24 14:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #102	2406168-01	Water	06/12/24 13:30	06/13/24 09:20	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H#180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/27/24 14:37

MW #102

2406168-01 (Ground Water)
Sampled Date: 06/12/24 13:30

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

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
VOLATILES BY GC/MS									**I-02**
1,1,1,2-Tetrachloroethane*	<0.005	0.005	0.0006	mg/L	10	06/27/24 02:44	8260B		CK
1,1,1-Trichloroethane*	<0.005	0.005	0.0006	mg/L	10	06/27/24 02:44	8260B		CK
1,1,2,2-Tetrachloroethane*	<0.005	0.005	0.0006	mg/L	10	06/27/24 02:44	8260B		CK
1,1,2-Trichloroethane*	<0.005	0.005	0.0006	mg/L	10	06/27/24 02:44	8260B		CK
1,1-Dichloroethane*	<0.005	0.005	0.002	mg/L	10	06/27/24 02:44	8260B		CK
1,1-Dichloroethene*	<0.005	0.005	0.002	mg/L	10	06/27/24 02:44	8260B		CK
1,1-Dichloropropene*	<0.005	0.005	0.002	mg/L	10	06/27/24 02:44	8260B		CK
1,2,3-Trichlorobenzene*	<0.005	0.005	0.002	mg/L	10	06/27/24 02:44	8260B		CK
1,2,4-Trichlorobenzene*	<0.005	0.005	0.001	mg/L	10	06/27/24 02:44	8260B		CK
1,2,4-Trimethylbenzene*	<0.005	0.005	0.0004	mg/L	10	06/27/24 02:44	8260B		CK
1,2-Dibromo-3-chloropropane*	<0.005	0.005	0.005	mg/L	10	06/27/24 02:44	8260B		CK
1,2-Dibromoethane*	<0.005	0.005	0.0009	mg/L	10	06/27/24 02:44	8260B		CK
1,2-Dichlorobenzene*	<0.005	0.005	0.0007	mg/L	10	06/27/24 02:44	8260B		CK
1,2-Dichloroethane*	<0.005	0.005	0.0006	mg/L	10	06/27/24 02:44	8260B		CK
1,2-Dichloropropane*	<0.005	0.005	0.0008	mg/L	10	06/27/24 02:44	8260B		CK
1,3,5-Trimethylbenzene*	<0.005	0.005	0.0004	mg/L	10	06/27/24 02:44	8260B		CK
1,3-Dichlorobenzene*	<0.005	0.005	0.0005	mg/L	10	06/27/24 02:44	8260B		CK
1,3-Dichloropropane*	<0.005	0.005	0.001	mg/L	10	06/27/24 02:44	8260B		CK
1,4-Dichlorobenzene	<0.005	0.005	0.0004	mg/L	10	06/27/24 02:44	8260B		CK
1,4-Dioxane	<0.100	0.100	0.100	mg/L	10	06/27/24 02:44	8260B		CK
1.2.3-trichloropropane*	<0.005	0.005	0.001	mg/L	10	06/27/24 02:44	8260B		CK
2,2-Dichloropropane*	<0.005	0.005	0.005	mg/L	10	06/27/24 02:44	8260B		CK
2-Butanone*	<0.020	0.020	0.020	mg/L	10	06/27/24 02:44	8260B		CK
2-Chlorotoluene*	<0.005	0.005	0.0004	mg/L	10	06/27/24 02:44	8260B		CK
2-Hexanone*	<0.010	0.010	0.003	mg/L	10	06/27/24 02:44	8260B		CK
4-Chlorotoluene*	<0.005	0.005	0.0004	mg/L	10	06/27/24 02:44	8260B		CK
4-Methyl-2-pentanone*	<0.010	0.010	0.001	mg/L	10	06/27/24 02:44	8260B		CK
Acetone*	<0.100	0.100	0.009	mg/L	10	06/27/24 02:44	8260B		CK
Acrolein*	<0.050	0.050	0.011	mg/L	10	06/27/24 02:44	8260B		CK

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H#180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/27/24 14:37

MW #102

2406168-01 (Ground Water)
Sampled Date: 06/12/24 13:30

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

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
VOLATILES BY GC/MS									**I-02**
Acrylonitrile*	<0.020	0.020	0.008	mg/L	10	06/27/24 02:44	8260B		CK
Benzene*	<0.005	0.005	0.0005	mg/L	10	06/27/24 02:44	8260B		CK
Bromobenzene*	<0.005	0.005	0.0006	mg/L	10	06/27/24 02:44	8260B		CK
Bromochloromethane*	<0.005	0.005	0.001	mg/L	10	06/27/24 02:44	8260B		CK
Bromodichloromethane*	<0.005	0.005	0.0004	mg/L	10	06/27/24 02:44	8260B		CK
Bromoform*	<0.005	0.005	0.0009	mg/L	10	06/27/24 02:44	8260B		CK
Bromomethane*	<0.005	0.005	0.005	mg/L	10	06/27/24 02:44	8260B		CK
Carbon disulfide*	<0.010	0.010	0.001	mg/L	10	06/27/24 02:44	8260B		CK
Carbon tetrachloride*	<0.005	0.005	0.002	mg/L	10	06/27/24 02:44	8260B		CK
Chlorobenzene*	<0.005	0.005	0.0004	mg/L	10	06/27/24 02:44	8260B		CK
Chloroethane*	<0.005	0.005	0.005	mg/L	10	06/27/24 02:44	8260B		CK
Chloroform*	<0.005	0.005	0.0002	mg/L	10	06/27/24 02:44	8260B		CK
Chloromethane*	<0.005	0.005	0.005	mg/L	10	06/27/24 02:44	8260B		CK
cis-1,2-Dichloroethene*	<0.005	0.005	0.002	mg/L	10	06/27/24 02:44	8260B		CK
cis-1,3-Dichloropropene*	<0.005	0.005	0.0009	mg/L	10	06/27/24 02:44	8260B		CK
Dibromochloromethane*	<0.005	0.005	0.0008	mg/L	10	06/27/24 02:44	8260B		CK
Dibromomethane*	<0.005	0.005	0.002	mg/L	10	06/27/24 02:44	8260B		CK
Dichlorodifluoromethane*	<0.005	0.005	0.005	mg/L	10	06/27/24 02:44	8260B		CK
Ethylbenzene*	<0.005	0.005	0.0003	mg/L	10	06/27/24 02:44	8260B		CK
Hexachlorobutadiene*	<0.010	0.010	0.005	mg/L	10	06/27/24 02:44	8260B		CK
Iodomethane	<0.010	0.010	0.0006	mg/L	10	06/27/24 02:44	8260B		CK
Isopropylbenzene*	<0.005	0.005	0.0002	mg/L	10	06/27/24 02:44	8260B		CK
m+p - Xylene*	<0.010	0.010	0.0008	mg/L	10	06/27/24 02:44	8260B		CK
Methyl tert-butyl ether	<0.010	0.010	0.002	mg/L	10	06/27/24 02:44	8260B		CK
Methylene chloride*	<0.005	0.005	0.005	mg/L	10	06/27/24 02:44	8260B		CK
Naphthalene*	<0.005	0.005	0.0008	mg/L	10	06/27/24 02:44	8260B		CK
n-Butylbenzene*	<0.005	0.005	0.0007	mg/L	10	06/27/24 02:44	8260B		CK
n-Propylbenzene*	<0.005	0.005	0.0005	mg/L	10	06/27/24 02:44	8260B		CK
o-Xylene*	<0.005	0.005	0.001	mg/L	10	06/27/24 02:44	8260B		CK
p-Isopropyltoluene*	<0.005	0.005	0.0004	mg/L	10	06/27/24 02:44	8260B		CK
sec-Butylbenzene*	<0.005	0.005	0.0004	mg/L	10	06/27/24 02:44	8260B		CK
Styrene*	<0.005	0.005	0.001	mg/L	10	06/27/24 02:44	8260B		CK

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H#180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/27/24 14:37

MW #102

2406168-01 (Ground Water)
Sampled Date: 06/12/24 13:30

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

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
VOLATILES BY GC/MS									**I-02**
tert-Butylbenzene*	<0.005	0.005	0.0007	mg/L	10	06/27/24 02:44	8260B		CK
Tetrachloroethene*	<0.005	0.005	0.0009	mg/L	10	06/27/24 02:44	8260B		CK
Toluene*	<0.005	0.005	0.0008	mg/L	10	06/27/24 02:44	8260B		CK
Total Xylenes*	<0.010	0.010	0.002	mg/L	10	06/27/24 02:44	8260B		CK
trans-1,2-Dichloroethene*	<0.005	0.005	0.001	mg/L	10	06/27/24 02:44	8260B		CK
trans-1,3-Dichloropropene*	<0.005	0.005	0.0005	mg/L	10	06/27/24 02:44	8260B		CK
trans-1,4-Dichloro-2-butene	<0.100	0.100	0.003	mg/L	10	06/27/24 02:44	8260B		CK
Trichloroethene*	<0.005	0.005	0.002	mg/L	10	06/27/24 02:44	8260B		CK
Trichlorofluoromethane*	<0.005	0.005	0.001	mg/L	10	06/27/24 02:44	8260B		CK
Vinyl acetate*	<0.005	0.005	0.005	mg/L	10	06/27/24 02:44	8260B		CK
Vinyl chloride*	<0.005	0.005	0.005	mg/L	10	06/27/24 02:44	8260B		CK
Surrogate: 4-Bromofluorobenzene			*93.9 %*	*76.4-114*		*06/27/24 02:44*	*8260B*		CK
Surrogate: Dibromofluoromethane			*119 %*	*82.4-141*		*06/27/24 02:44*	*8260B*		CK
Surrogate: Toluene-d8			*102 %*	*87.1-110*		*06/27/24 02:44*	*8260B*		CK

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H#180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/27/24 14:37

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4061928 - Volatiles										
Blank (4061928-BLK1)				Prepared: 06/19/24 Analyzed: 06/26/24						
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	*0.0233*		mg/L	*0.0250*		*93.2*	*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 Com H#180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/27/24 14:37

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4061928 - Volatiles (Continued)										
Blank (4061928-BLK1) (Continued)			Prepared: 06/19/24 Analyzed: 06/26/24							
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	*0.0294*		mg/L	*0.0250*		*118*	*82.4-141*			
Dibromomethane	ND	0.0005	mg/L							
Dichlorodifluoromethane	ND	0.0005	mg/L							
Ethylbenzene	ND	0.0005	mg/L							
Hexachlorobutadiene	0.0006	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	*0.0252*		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

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H#180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/27/24 14:37

VOLATILES BY GC/MS - Quality Control
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4061928 - Volatiles (Continued)										
LCS (4061928-BS1)			Prepared: 06/19/24 Analyzed: 06/26/24							
1,1,1,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		102	82.4-120			
1,1,1-Trichloroethane	0.023	0.0005	mg/L	0.0200		113	80.7-121			
1,1,2,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		105	76.5-121			
1,1,2-Trichloroethane	0.020	0.0005	mg/L	0.0200		101	81.7-118			
1,1-Dichloroethane	0.016	0.0005	mg/L	0.0200		77.6	74.8-123			
1,1-Dichloroethene	0.020	0.0005	mg/L	0.0200		100	53.9-149			
1,1-Dichloropropene	0.022	0.0005	mg/L	0.0200		111	85.9-115			
1,2,3-Trichlorobenzene	0.021	0.0005	mg/L	0.0200		107	76.1-134			
1,2,4-Trichlorobenzene	0.020	0.0005	mg/L	0.0200		98.6	72.4-136			
1,2,4-Trimethylbenzene	0.020	0.0005	mg/L	0.0200		100	67.4-138			
1,2-Dibromo-3-chloropropane	0.023	0.0005	mg/L	0.0200		115	71.7-124			
1,2-Dibromoethane	0.021	0.0005	mg/L	0.0200		103	84.9-116			
1,2-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		102	82.5-119			
1,2-Dichloroethane	0.021	0.0005	mg/L	0.0200		104	72.5-123			
1,2-Dichloropropane	0.020	0.0005	mg/L	0.0200		101	79.4-117			
1,3,5-Trimethylbenzene	0.020	0.0005	mg/L	0.0200		102	69-137			
1,3-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		106	84.4-120			
1,3-Dichloropropane	0.021	0.0005	mg/L	0.0200		107	82.6-117			
1,4-Dichlorobenzene	0.019	0.0005	mg/L	0.0200		95.2	81.7-118			
1,4-Dioxane	0.361	0.010	mg/L	0.400		90.3	-34.6-193			
1.2.3-trichloropropane	0.022	0.0005	mg/L	0.0200		112	44.7-168			
2,2-Dichloropropane	0.015	0.0005	mg/L	0.0200		74.2	62.9-136			
2-Butanone	0.042	0.002	mg/L	0.0400		105	24.1-159			
2-Chlorotoluene	0.021	0.0005	mg/L	0.0200		105	80.2-121			
2-Hexanone	0.047	0.001	mg/L	0.0400		117	56.3-139			
Surrogate: 4-Bromofluorobenzene	*0.0252*		mg/L	*0.0250*		*101*	*76.4-114*			
4-Chlorotoluene	0.022	0.0005	mg/L	0.0200		110	82.2-125			
4-Methyl-2-pentanone	0.044	0.001	mg/L	0.0400		111	60.7-139			
Acetone	0.038	0.010	mg/L	0.0400		96.0	39.1-168			
Acrolein	0.251	0.005	mg/L	0.200		126	26.6-161			
Acrylonitrile	0.022	0.002	mg/L	0.0400		55.9	64.9-135			BS2
Benzene	0.020	0.0005	mg/L	0.0200		102	69.4-129			
Bromobenzene	0.020	0.0005	mg/L	0.0200		98.2	83.5-115			
Bromochloromethane	0.020	0.0005	mg/L	0.0200		97.6	70.7-123			
Bromodichloromethane	0.020	0.0005	mg/L	0.0200		102	80.3-119			
Bromoform	0.020	0.0005	mg/L	0.0200		98.4	71.1-141			
Bromomethane	0.018	0.0005	mg/L	0.0200		90.8	55.1-143			
Carbon disulfide	0.045	0.001	mg/L	0.0400		113	53.6-147			
Carbon tetrachloride	0.026	0.0005	mg/L	0.0200		128	79.5-125			BS1

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H#180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/27/24 14:37

VOLATILES BY GC/MS - Quality Control
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4061928 - Volatiles (Continued)										
LCS (4061928-BS1) (Continued)			Prepared: 06/19/24 Analyzed: 06/26/24							
Chlorobenzene	0.021	0.0005	mg/L	0.0200		103	85.1-115			
Chloroethane	0.018	0.0005	mg/L	0.0200		92.2	36.9-159			
Chloroform	0.024	0.0005	mg/L	0.0200		122	80.9-119			BS1
Chloromethane	0.018	0.0005	mg/L	0.0200		88.7	54.2-142			
cis-1,2-Dichloroethene	0.018	0.0005	mg/L	0.0200		89.0	73.8-128			
cis-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		107	82.5-122			
Dibromochloromethane	0.021	0.0005	mg/L	0.0200		103	83.1-124			
Surrogate: Dibromofluoromethane	*0.0272*		mg/L	*0.0250*		*109*	*82.4-141*			
Dibromomethane	0.020	0.0005	mg/L	0.0200		100	77-118			
Dichlorodifluoromethane	0.021	0.0005	mg/L	0.0200		106	38.7-147			
Ethylbenzene	0.021	0.0005	mg/L	0.0200		104	70.2-130			
Hexachlorobutadiene	0.022	0.0005	mg/L	0.0200		112	78.9-148			
Iodomethane	0.037	0.001	mg/L	0.0400		93.6	63.5-135			
Isopropylbenzene	0.020	0.0005	mg/L	0.0200		101	85-124			
m+p - Xylene	0.041	0.001	mg/L	0.0400		103	71.9-133			
Methyl tert-butyl ether	0.035	0.001	mg/L	0.0400		86.6	57.7-137			
Methylene chloride	0.019	0.0005	mg/L	0.0200		95.2	49.3-163			
Naphthalene	0.023	0.0005	mg/L	0.0200		114	62.1-141			
n-Butylbenzene	0.020	0.0005	mg/L	0.0200		102	75.4-132			
n-Propylbenzene	0.021	0.0005	mg/L	0.0200		106	79.6-124			
o-Xylene	0.021	0.0005	mg/L	0.0200		103	69.4-132			
p-Isopropyltoluene	0.016	0.0005	mg/L	0.0200		81.8	79.8-131			
sec-Butylbenzene	0.020	0.0005	mg/L	0.0200		98.5	77.6-133			
Styrene	0.020	0.0005	mg/L	0.0200		99.0	71.7-128			
tert-Butylbenzene	0.022	0.0005	mg/L	0.0200		109	78.8-128			
Tetrachloroethene	0.021	0.0005	mg/L	0.0200		105	74.2-128			
Toluene	0.021	0.0005	mg/L	0.0200		104	68.1-127			
Surrogate: Toluene-d8	*0.0250*		mg/L	*0.0250*		*100*	*87.1-110*			
Total Xylenes	0.062	0.001	mg/L	0.0600		103	71.6-132			
trans-1,2-Dichloroethene	0.019	0.0005	mg/L	0.0200		95.6	65.2-133			
trans-1,3-Dichloropropene	0.022	0.0005	mg/L	0.0200		109	84-123			
trans-1,4-Dichloro-2-butene	0.031	0.010	mg/L	0.0400		76.4	9.3-235			
Trichloroethene	0.020	0.0005	mg/L	0.0200		102	79.3-114			
Trichlorofluoromethane	0.021	0.0005	mg/L	0.0200		103	28.6-162			
Vinyl acetate	0.011	0.0005	mg/L	0.0200		57.0	50.9-135			
Vinyl chloride	0.020	0.0005	mg/L	0.0200		99.8	61.6-133			
LCS Dup (4061928-BSD1)			Prepared: 06/19/24 Analyzed: 06/26/24							
1,1,1,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		101	82.4-120	0.786	6.88	

Green Analytical Laboratories

Veronica Wells, Project Manager

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H#180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/27/24 14:37

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4061928 - Volatiles (Continued)										
LCS Dup (4061928-BSD1) (Continued)			Prepared: 06/19/24 Analyzed: 06/26/24							
1,1,1-Trichloroethane	0.022	0.0005	mg/L	0.0200		111	80.7-121	2.01	7.43	
1,1,2,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		106	76.5-121	0.332	8.68	
1,1,2-Trichloroethane	0.020	0.0005	mg/L	0.0200		98.8	81.7-118	2.35	6.82	
1,1-Dichloroethane	0.016	0.0005	mg/L	0.0200		78.3	74.8-123	0.962	4.3	
1,1-Dichloroethene	0.020	0.0005	mg/L	0.0200		101	53.9-149	0.993	16.5	
1,1-Dichloropropene	0.022	0.0005	mg/L	0.0200		108	85.9-115	3.06	5.47	
1,2,3-Trichlorobenzene	0.021	0.0005	mg/L	0.0200		104	76.1-134	2.33	43	
1,2,4-Trichlorobenzene	0.019	0.0005	mg/L	0.0200		94.3	72.4-136	4.46	22.3	
1,2,4-Trimethylbenzene	0.020	0.0005	mg/L	0.0200		100	67.4-138	0.0498	8.94	
1,2-Dibromo-3-chloropropane	0.022	0.0005	mg/L	0.0200		111	71.7-124	3.37	15.1	
1,2-Dibromoethane	0.021	0.0005	mg/L	0.0200		103	84.9-116	0.388	5.83	
1,2-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		99.8	82.5-119	1.69	8.72	
1,2-Dichloroethane	0.021	0.0005	mg/L	0.0200		103	72.5-123	0.922	8.94	
1,2-Dichloropropane	0.020	0.0005	mg/L	0.0200		99.8	79.4-117	0.798	5.51	
1,3,5-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		103	69-137	0.975	16.5	
1,3-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		104	84.4-120	2.00	9	
1,3-Dichloropropane	0.021	0.0005	mg/L	0.0200		107	82.6-117	0.468	6.06	
1,4-Dichlorobenzene	0.019	0.0005	mg/L	0.0200		94.5	81.7-118	0.685	7.71	
1,4-Dioxane	0.361	0.010	mg/L	0.400		90.3	-34.6-193	0.0692	35.2	
1.2.3-trichloropropane	0.022	0.0005	mg/L	0.0200		112	44.7-168	0.224	49.2	
2,2-Dichloropropane	0.021	0.0005	mg/L	0.0200		106	62.9-136	35.0	9.62	QR-04
2-Butanone	0.042	0.002	mg/L	0.0400		104	24.1-159	1.31	14.2	
2-Chlorotoluene	0.021	0.0005	mg/L	0.0200		104	80.2-121	0.575	8.62	
2-Hexanone	0.045	0.001	mg/L	0.0400		111	56.3-139	5.20	7.28	
Surrogate: 4-Bromofluorobenzene	*0.0249*		mg/L	*0.0250*		*99.8*	*76.4-114*			
4-Chlorotoluene	0.022	0.0005	mg/L	0.0200		110	82.2-125	0.273	15.5	
4-Methyl-2-pentanone	0.042	0.001	mg/L	0.0400		106	60.7-139	4.20	7.57	
Acetone	0.033	0.010	mg/L	0.0400		81.8	39.1-168	15.9	30.5	
Acrolein	0.205	0.005	mg/L	0.200		102	26.6-161	20.4	22.4	
Acrylonitrile	0.022	0.002	mg/L	0.0400		54.2	64.9-135	3.18	7.62	BS2
Benzene	0.020	0.0005	mg/L	0.0200		102	69.4-129	0.735	4.16	
Bromobenzene	0.020	0.0005	mg/L	0.0200		98.4	83.5-115	0.254	8.41	
Bromochloromethane	0.024	0.0005	mg/L	0.0200		122	70.7-123	22.0	5.16	QR-04
Bromodichloromethane	0.020	0.0005	mg/L	0.0200		101	80.3-119	1.08	5.36	
Bromoform	0.019	0.0005	mg/L	0.0200		95.4	71.1-141	3.04	14.1	
Bromomethane	0.019	0.0005	mg/L	0.0200		96.3	55.1-143	5.88	21.5	
Carbon disulfide	0.044	0.001	mg/L	0.0400		109	53.6-147	3.00	20.3	
Carbon tetrachloride	0.025	0.0005	mg/L	0.0200		126	79.5-125	0.827	11.4	BS1
Chlorobenzene	0.020	0.0005	mg/L	0.0200		102	85.1-115	1.46	5.18	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H#180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/27/24 14:37

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4061928 - Volatiles (Continued)										
LCS Dup (4061928-BSD1) (Continued)			Prepared: 06/19/24 Analyzed: 06/26/24							
Chloroethane	0.018	0.0005	mg/L	0.0200		91.9	36.9-159	0.272	24.1	
Chloroform	0.024	0.0005	mg/L	0.0200		122	80.9-119	0.123	5.15	BS1
Chloromethane	0.020	0.0005	mg/L	0.0200		99.2	54.2-142	11.2	27	
cis-1,2-Dichloroethene	0.023	0.0005	mg/L	0.0200		113	73.8-128	23.3	5.73	QR-04
cis-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		105	82.5-122	1.79	6.09	
Dibromochloromethane	0.020	0.0005	mg/L	0.0200		101	83.1-124	1.62	7.24	
Surrogate: Dibromofluoromethane	*0.0277*		mg/L	*0.0250*		*111*	*82.4-141*			
Dibromomethane	0.020	0.0005	mg/L	0.0200		98.6	77-118	1.56	5.75	
Dichlorodifluoromethane	0.021	0.0005	mg/L	0.0200		106	38.7-147	0.282	22.6	
Ethylbenzene	0.020	0.0005	mg/L	0.0200		102	70.2-130	1.84	4.83	
Hexachlorobutadiene	0.023	0.0005	mg/L	0.0200		113	78.9-148	0.842	18.4	
Iodomethane	0.036	0.001	mg/L	0.0400		89.1	63.5-135	4.90	24.3	
Isopropylbenzene	0.020	0.0005	mg/L	0.0200		98.9	85-124	1.90	6.25	
m+p - Xylene	0.040	0.001	mg/L	0.0400		99.7	71.9-133	2.87	5.77	
Methyl tert-butyl ether	0.034	0.001	mg/L	0.0400		85.3	57.7-137	1.54	12.8	
Methylene chloride	0.015	0.0005	mg/L	0.0200		76.6	49.3-163	21.6	19.7	QR-04
Naphthalene	0.022	0.0005	mg/L	0.0200		109	62.1-141	4.27	33.5	
n-Butylbenzene	0.020	0.0005	mg/L	0.0200		99.6	75.4-132	2.67	10.1	
n-Propylbenzene	0.021	0.0005	mg/L	0.0200		106	79.6-124	0.520	9.09	
o-Xylene	0.020	0.0005	mg/L	0.0200		99.1	69.4-132	3.76	6.29	
p-Isopropyltoluene	0.016	0.0005	mg/L	0.0200		81.0	79.8-131	0.983	9.26	
sec-Butylbenzene	0.019	0.0005	mg/L	0.0200		97.2	77.6-133	1.33	9.85	
Styrene	0.019	0.0005	mg/L	0.0200		96.0	71.7-128	2.97	7.55	
tert-Butylbenzene	0.022	0.0005	mg/L	0.0200		109	78.8-128	0.183	18.6	
Tetrachloroethene	0.021	0.0005	mg/L	0.0200		104	74.2-128	0.668	6.38	
Toluene	0.020	0.0005	mg/L	0.0200		102	68.1-127	1.36	5.67	
Surrogate: Toluene-d8	*0.0247*		mg/L	*0.0250*		*98.8*	*87.1-110*			
Total Xylenes	0.060	0.001	mg/L	0.0600		99.5	71.6-132	3.16	5.83	
trans-1,2-Dichloroethene	0.017	0.0005	mg/L	0.0200		84.5	65.2-133	12.3	19.1	
trans-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		106	84-123	2.78	6.26	
trans-1,4-Dichloro-2-butene	0.029	0.010	mg/L	0.0400		72.3	9.3-235	5.51	92.8	
Trichloroethene	0.020	0.0005	mg/L	0.0200		101	79.3-114	0.888	4.92	
Trichlorofluoromethane	0.020	0.0005	mg/L	0.0200		102	28.6-162	1.22	19.8	
Vinyl acetate	0.011	0.0005	mg/L	0.0200		55.4	50.9-135	2.76	7.84	
Vinyl chloride	0.021	0.0005	mg/L	0.0200		106	61.6-133	6.31	23	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H#180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/27/24 14:37

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
I-02	This result was analyzed outside of the EPA recommended holding time.
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 Com H#180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/27/24 14:37

Qualifier Summary

LabNumber	Analysis	Analyte	Qualifier	TextBody
4061928-BS1	Volatile 8260	Acrylonitrile	BS2	Blank spike recovery below laboratory acceptance criteria. Results for analyte potentially biased low.
4061928-BS1	Volatile 8260	Carbon tetrachloride	BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
4061928-BS1	Volatile 8260	Chloroform	BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
4061928-BSD1	Volatile 8260	2,2-Dichloropropane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4061928-BSD1	Volatile 8260	Acrylonitrile	BS2	Blank spike recovery below laboratory acceptance criteria. Results for analyte potentially biased low.
4061928-BSD1	Volatile 8260	Bromochloromethane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4061928-BSD1	Volatile 8260	Carbon tetrachloride	BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
4061928-BSD1	Volatile 8260	Chloroform	BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
4061928-BSD1	Volatile 8260	cis-1,2-Dichloroethene	QR-04	The RPD for the BS/BSD was outside of historical limits.
4061928-BSD1	Volatile 8260	Methylene chloride	QR-04	The RPD for the BS/BSD was outside of historical limits.
2406168-01	Volatile 8260		I-02	This result was analyzed outside of the EPA recommended holding time.

Green Analytical Laboratories

Veronica Wells, Project Manager

GREEN 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 Com H #180
Sampler Name (Print):	Joseph LaFortune

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:	EPA Method 8260 (VOCs)
01	1) MW #102	6/12/2024	1330	X									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: 6/12/24 Time: 1700	**Received By:**	Date: Time:	ADDITIONAL REMARKS:
Relinquished By:	Date: 6/13/24 Time: 0915	**Received By:**	Date: 6.13.24 Time: 920	
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	Temperature at receipt: 4.9 °C; Checked by: MPN; 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 #** 2406-168

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: CDV 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. Air bubbles in 02,03,04
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 September 2024

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: GCU Com H #180

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

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

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 10:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #102	2409202-01	Water	09/17/24 12:10	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 Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 10:09

MW #102

2409202-01 (Ground Water)
Sampled Date: 09/17/24 12:10

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*	<0.0005	0.0005	0.00006	mg/L	1	09/24/24 17:34	8260B		MS
1,1,1-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/24/24 17:34	8260B		MS
1,1,2,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/24/24 17:34	8260B		MS
1,1,2-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/24/24 17:34	8260B		MS
1,1-Dichloroethane*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 17:34	8260B		MS
1,1-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 17:34	8260B		MS
1,1-Dichloropropene*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 17:34	8260B		MS
1,2,3-Trichlorobenzene*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 17:34	8260B		MS
1,2,4-Trichlorobenzene*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 17:34	8260B		MS
1,2,4-Trimethylbenzene*	**0.013**	0.0005	0.00004	mg/L	1	09/24/24 17:34	8260B		MS
1,2-Dibromo-3-chloropropane*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 17:34	8260B		MS
1,2-Dibromoethane*	<0.0005	0.0005	0.00009	mg/L	1	09/24/24 17:34	8260B		MS
1,2-Dichlorobenzene*	<0.0005	0.0005	0.00007	mg/L	1	09/24/24 17:34	8260B		MS
1,2-Dichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/24/24 17:34	8260B		MS
1,2-Dichloropropane*	<0.0005	0.0005	0.00008	mg/L	1	09/24/24 17:34	8260B		MS
1,3,5-Trimethylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	09/24/24 17:34	8260B		MS
1,3-Dichlorobenzene*	<0.0005	0.0005	0.00005	mg/L	1	09/24/24 17:34	8260B		MS
1,3-Dichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 17:34	8260B		MS
1,4-Dichlorobenzene	<0.0005	0.0005	0.00004	mg/L	1	09/24/24 17:34	8260B		MS
1,4-Dioxane	<0.010	0.010	0.010	mg/L	1	09/24/24 17:34	8260B		MS
1.2.3-trichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 17:34	8260B		MS
2,2-Dichloropropane*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 17:34	8260B		MS
2-Butanone*	<0.002	0.002	0.002	mg/L	1	09/24/24 17:34	8260B		MS
2-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	09/24/24 17:34	8260B		MS
2-Hexanone*	<0.001	0.001	0.0003	mg/L	1	09/24/24 17:34	8260B		MS
4-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	09/24/24 17:34	8260B		MS
4-Methyl-2-pentanone*	<0.001	0.001	0.0001	mg/L	1	09/24/24 17:34	8260B		MS
Acetone*	<0.010	0.010	0.0009	mg/L	1	09/24/24 17:34	8260B		MS
Acrolein*	<0.005	0.005	0.001	mg/L	1	09/24/24 17:34	8260B		MS

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 10:09

MW #102

2409202-01 (Ground Water)
Sampled Date: 09/17/24 12:10

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

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Acrylonitrile*	<0.002	0.002	0.0008	mg/L	1	09/24/24 17:34	8260B		MS
Benzene*	**0.0007**	0.0005	0.00005	mg/L	1	09/24/24 17:34	8260B		MS
Bromobenzene*	<0.0005	0.0005	0.00006	mg/L	1	09/24/24 17:34	8260B		MS
Bromochloromethane*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 17:34	8260B		MS
Bromodichloromethane*	<0.0005	0.0005	0.00004	mg/L	1	09/24/24 17:34	8260B		MS
Bromoform*	<0.0005	0.0005	0.00009	mg/L	1	09/24/24 17:34	8260B		MS
Bromomethane*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 17:34	8260B		MS
Carbon disulfide*	<0.001	0.001	0.0001	mg/L	1	09/24/24 17:34	8260B		MS
Carbon tetrachloride*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 17:34	8260B		MS
Chlorobenzene*	<0.0005	0.0005	0.00004	mg/L	1	09/24/24 17:34	8260B		MS
Chloroethane*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 17:34	8260B		MS
Chloroform*	<0.0005	0.0005	0.00002	mg/L	1	09/24/24 17:34	8260B		MS
Chloromethane*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 17:34	8260B		MS
cis-1,2-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 17:34	8260B		MS
cis-1,3-Dichloropropene*	<0.0005	0.0005	0.00009	mg/L	1	09/24/24 17:34	8260B		MS
Dibromochloromethane*	<0.0005	0.0005	0.00008	mg/L	1	09/24/24 17:34	8260B		MS
Dibromomethane*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 17:34	8260B		MS
Dichlorodifluoromethane*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 17:34	8260B		MS
Ethylbenzene*	**0.002**	0.0005	0.00003	mg/L	1	09/24/24 17:34	8260B		MS
Hexachlorobutadiene*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 17:34	8260B		MS
Iodomethane	<0.001	0.001	0.00006	mg/L	1	09/24/24 17:34	8260B		MS
Isopropylbenzene*	**0.0007**	0.0005	0.00002	mg/L	1	09/24/24 17:34	8260B		MS
m+p - Xylene*	<0.001	0.001	0.00008	mg/L	1	09/24/24 17:34	8260B		MS
Methyl tert-butyl ether	<0.001	0.001	0.0002	mg/L	1	09/24/24 17:34	8260B		MS
Methylene chloride*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 17:34	8260B		MS
Naphthalene*	<0.0005	0.0005	0.00008	mg/L	1	09/24/24 17:34	8260B		MS
n-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	09/24/24 17:34	8260B		MS
n-Propylbenzene*	<0.0005	0.0005	0.00005	mg/L	1	09/24/24 17:34	8260B		MS
o-Xylene*	**0.002**	0.0005	0.0001	mg/L	1	09/24/24 17:34	8260B		MS
p-Isopropyltoluene*	**0.010**	0.0005	0.00004	mg/L	1	09/24/24 17:34	8260B		MS
sec-Butylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	09/24/24 17:34	8260B		MS
Styrene*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 17:34	8260B		MS

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 10:09

MW #102

2409202-01 (Ground Water)
Sampled Date: 09/17/24 12:10

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

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
tert-Butylbenzene*	**0.0006**	0.0005	0.00007	mg/L	1	09/24/24 17:34	8260B		MS
Tetrachloroethene*	<0.0005	0.0005	0.00009	mg/L	1	09/24/24 17:34	8260B		MS
Toluene*	<0.0005	0.0005	0.00008	mg/L	1	09/24/24 17:34	8260B		MS
Total Xylenes*	**0.003**	0.001	0.0002	mg/L	1	09/24/24 17:34	8260B		MS
trans-1,2-Dichloroethene*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 17:34	8260B		MS
trans-1,3-Dichloropropene*	<0.0005	0.0005	0.00005	mg/L	1	09/24/24 17:34	8260B		MS
trans-1,4-Dichloro-2-butene	<0.010	0.010	0.0003	mg/L	1	09/24/24 17:34	8260B		MS
Trichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 17:34	8260B		MS
Trichlorofluoromethane*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 17:34	8260B		MS
Vinyl acetate*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 17:34	8260B		MS
Vinyl chloride*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 17:34	8260B		MS
Surrogate: 4-Bromofluorobenzene			*102 %*	*76.4-114*		*09/24/24 17:34*	*8260B*		MS
Surrogate: Dibromofluoromethane			*108 %*	*82.4-141*		*09/24/24 17:34*	*8260B*		MS
Surrogate: Toluene-d8			*102 %*	*87.1-110*		*09/24/24 17:34*	*8260B*		MS

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 10:09

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 Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 10:09

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 Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 10:09

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 Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 10:09

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 Wells, Project Manager

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 10:09

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 Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 10:09

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 Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 10:09

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

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/24 10:09

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

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 Com H #180
Sampler Name (Print): Dylan Sanger / 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: EPA Method 8260B (VOCs)
2409-202 01	1) MW #102	9/17/24	1210	✓									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: 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: 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.

Analytical Laboratories

SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood Consulting **Work Order #** 2409-202

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: 18.2 °C Correction Factor: 0 °C Final Temp: 18.2 °C

*Temp should be above freezing to 6°C

Date/Initials of person examining contents: 9.12.24 CDN

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. 1 vom w/headspace 76mm
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

COTTONWOOD CONSULTING LLC

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : SIMCOE LLC

GCU Com H #180 API#: 30-045-07814
Unit J Sec 28 T29N 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.)
#101	100.00	4.60	7.05	11.65	-	-	-	-	-
#102	99.02	6.35	6.23	12.58	1350	7.93	6.22	11.2	3.11
#103	99.51	5.85	6.73	12.58	-	-	-	-	-
#104	99.45	5.30	6.90	12.20	-	-	-	-	-
#105	-	5.71	6.29	12.00	-	-	-	-	-

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".
Collect sample from #102- all other wells have 8 consecutive clean quarters.

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

COTTONWOOD CONSULTING LLC

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : SIMCOE LLC

GCU Com H #180 API#: 30-045-07814
Unit J Sec 28 T29N R12W

LABORATORY (S) USED : GAL

Date : 6/12/24

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.)
#101	100.00	3.87	7.87	11.65	-	-	-	-	-
#102	99.02	5.56	7.02	12.58	1330	7.34	5430	30.6	5.5c 2.72 KO
#103	99.51	5.01	7.57	12.58	-	-	-	-	-
#104	99.45	4.52	7.68	12.20	-	-	-	-	-
#105	-	5.26	6.74	12.00	-	-	-	-	-

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".
Collect sample from #102- all other wells have 8 consecutive clean quarters.

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

COTTONWOOD CONSULTING LLC

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : **SIMCOE LLC**

GCU Com H #180 API#: 30-045-07814
Unit J Sec 28 T29N R12W

LABORATORY (S) USED : GAL

Date : 3/28/24

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.)
#101	100.00	4.2	7.45	11.65	-	-	-	-	-
#102	99.02	5.93	6.65	12.58	1200	8.15	5110	15.1	3
#103	99.51	5.4	7.18	12.58	-	-	-	-	-
#104	99.45	4.86	7.34	12.20	-	-	-	-	-
#105	-	5.51	6.49	12.00	-	-	-	-	-

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".
Collect sample from #102- all other wells have 8 consecutive clean quarters.

on-site	1130	temp	55°F
off-site	1230	temp	55°F
sky cond.	clear		
wind speed	0-5 mph	direct.	SW

COTTONWOOD CONSULTING LLC

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : **SIMCOE LLC**

GCU Com H #180 API#: 30-045-07814
Unit J Sec 28 T29N R12W

LABORATORY (S) USED : GAL

Date : 9/17/24

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.)
#101	100.00	4.74	6.91	11.65	-	-	-	-	-
#102	99.02	6.47	~~6.58~~ 6.11	12.58	1210	7.35	2.81	20.2	3.17
#103	99.51	6.00	6.58	12.58	-	-	-	-	-
#104	99.45	5.56	6.64	12.20	-	-	-	-	-
#105	-	6.22	~~6.64~~ 5.78	12.00	-	-	-	-	-

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".
Collect sample from #102- all other wells have 8 consecutive clean quarters.

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

COTTONWOOD CONSULTING LLC

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : SIMCOE LLC

GCU Com H #180 API#: 30-045-07814
Unit J Sec 28 T29N 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.)
#101	100.00	4.60	7.05	11.65	-	-	-	-	-
#102	99.02	6.35	6.23	12.58	1350	7.93	6.22	11.2	3.11
#103	99.51	5.85	6.73	12.58	-	-	-	-	-
#104	99.45	5.30	6.90	12.20	-	-	-	-	-
#105	-	5.71	6.29	12.00	-	-	-	-	-

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".
Collect sample from #102- all other wells have 8 consecutive clean quarters.

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

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 415777
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	GCU Com H #180 Groundwater Lab Results and associated field forms accepted for the record. App ID: 415777	1/2/2025