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11 April 2024

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302
RE: GCU #153E

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,

A handwritten signature in blue ink that reads 'Veronica J. Wells'. The signature is written in a cursive, flowing style.

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

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
04/11/24 08:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #3R	2403238-01	Water	03/28/24 13:30	03/28/24 15:05	

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

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PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
04/11/24 08:34

MW #3R

2403238-01 (Ground Water)

Sampled Date: 03/28/24 13:30

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

VOLATILES BY GC/MS

1,1,1,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	04/08/24 14:37	8260B		MS
1,1,1-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	04/08/24 14:37	8260B		MS
1,1,2,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	04/08/24 14:37	8260B		MS
1,1,2-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	04/08/24 14:37	8260B		MS
1,1-Dichloroethane*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:37	8260B		MS
1,1-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:37	8260B		MS
1,1-Dichloropropene*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:37	8260B		MS
1,2,3-Trichlorobenzene*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:37	8260B		MS
1,2,4-Trichlorobenzene*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:37	8260B		MS
1,2,4-Trimethylbenzene*	0.003	0.0005	0.00004	mg/L	1	04/08/24 14:37	8260B		MS
1,2-Dibromo-3-chloropropane*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:37	8260B		MS
1,2-Dibromoethane*	<0.0005	0.0005	0.00009	mg/L	1	04/08/24 14:37	8260B		MS
1,2-Dichlorobenzene*	<0.0005	0.0005	0.00007	mg/L	1	04/08/24 14:37	8260B		MS
1,2-Dichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	04/08/24 14:37	8260B		MS
1,2-Dichloropropane*	<0.0005	0.0005	0.00008	mg/L	1	04/08/24 14:37	8260B		MS
1,3,5-Trimethylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	04/08/24 14:37	8260B		MS
1,3-Dichlorobenzene*	<0.0005	0.0005	0.00005	mg/L	1	04/08/24 14:37	8260B		MS
1,3-Dichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:37	8260B		MS
1,4-Dichlorobenzene	<0.0005	0.0005	0.00004	mg/L	1	04/08/24 14:37	8260B		MS
1,4-Dioxane	<0.010	0.010	0.010	mg/L	1	04/08/24 14:37	8260B		MS
1,2,3-trichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:37	8260B		MS
2,2-Dichloropropane*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:37	8260B		MS
2-Butanone*	<0.002	0.002	0.002	mg/L	1	04/08/24 14:37	8260B		MS
2-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	04/08/24 14:37	8260B		MS
2-Hexanone*	<0.001	0.001	0.0003	mg/L	1	04/08/24 14:37	8260B		MS
4-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	04/08/24 14:37	8260B		MS
4-Methyl-2-pentanone*	<0.001	0.001	0.0001	mg/L	1	04/08/24 14:37	8260B		MS
Acetone*	<0.010	0.010	0.0009	mg/L	1	04/08/24 14:37	8260B		MS
Acrolein*	<0.005	0.005	0.001	mg/L	1	04/08/24 14:37	8260B		MS

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Veronica J Wells

Veronica Wells, Project Manager

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PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
04/11/24 08:34

MW #3R

2403238-01 (Ground Water)

Sampled Date: 03/28/24 13:30

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

VOLATILES BY GC/MS

Acrylonitrile*	<0.002	0.002	0.0008	mg/L	1	04/08/24 14:37	8260B		MS
Benzene*	0.004	0.0005	0.00005	mg/L	1	04/08/24 14:37	8260B		MS
Bromobenzene*	<0.0005	0.0005	0.00006	mg/L	1	04/08/24 14:37	8260B		MS
Bromochloromethane*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:37	8260B		MS
Bromodichloromethane*	<0.0005	0.0005	0.00004	mg/L	1	04/08/24 14:37	8260B		MS
Bromoform*	<0.0005	0.0005	0.00009	mg/L	1	04/08/24 14:37	8260B		MS
Bromomethane*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:37	8260B		MS
Carbon disulfide*	<0.005	0.005	0.0001	mg/L	1	04/08/24 14:37	8260B		MS
Carbon tetrachloride*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:37	8260B		MS
Chlorobenzene*	<0.0005	0.0005	0.00004	mg/L	1	04/08/24 14:37	8260B		MS
Chloroethane*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:37	8260B		MS
Chloroform*	<0.0005	0.0005	0.00002	mg/L	1	04/08/24 14:37	8260B		MS
Chloromethane*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:37	8260B		MS
cis-1,2-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:37	8260B		MS
cis-1,3-Dichloropropene*	<0.0005	0.0005	0.00009	mg/L	1	04/08/24 14:37	8260B		MS
Dibromochloromethane*	<0.0005	0.0005	0.00008	mg/L	1	04/08/24 14:37	8260B		MS
Dibromomethane*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:37	8260B		MS
Dichlorodifluoromethane*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:37	8260B		MS
Ethylbenzene*	0.008	0.0005	0.00003	mg/L	1	04/08/24 14:37	8260B		MS
Hexachlorobutadiene*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:37	8260B		MS
Iodomethane	<0.001	0.001	0.00006	mg/L	1	04/08/24 14:37	8260B		MS
Isopropylbenzene*	0.002	0.0005	0.00002	mg/L	1	04/08/24 14:37	8260B		MS
m+p - Xylene*	0.011	0.001	0.00008	mg/L	1	04/08/24 14:37	8260B		MS
Methyl tert-butyl ether	<0.001	0.001	0.0002	mg/L	1	04/08/24 14:37	8260B		MS
Methylene chloride*	<0.002	0.002	0.0005	mg/L	1	04/08/24 14:37	8260B		MS
Naphthalene*	<0.0005	0.0005	0.00008	mg/L	1	04/08/24 14:37	8260B		MS
n-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	04/08/24 14:37	8260B		MS
n-Propylbenzene*	0.0008	0.0005	0.00005	mg/L	1	04/08/24 14:37	8260B		MS
o-Xylene*	0.011	0.0005	0.0001	mg/L	1	04/08/24 14:37	8260B		MS
p-Isopropyltoluene*	0.0006	0.0005	0.00004	mg/L	1	04/08/24 14:37	8260B		MS
sec-Butylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	04/08/24 14:37	8260B		MS
Styrene*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:37	8260B		MS

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Veronica J Wells

Veronica Wells, Project Manager

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PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
04/11/24 08:34

MW #3R

2403238-01 (Ground Water)

Sampled Date: 03/28/24 13:30

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

VOLATILES BY GC/MS

tert-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	04/08/24 14:37	8260B		MS
Tetrachloroethene*	<0.0005	0.0005	0.00009	mg/L	1	04/08/24 14:37	8260B		MS
Toluene*	0.013	0.0005	0.00008	mg/L	1	04/08/24 14:37	8260B		MS
Total Xylenes*	0.022	0.001	0.0002	mg/L	1	04/08/24 14:37	8260B		MS
trans-1,2-Dichloroethene*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:37	8260B		MS
trans-1,3-Dichloropropene*	<0.0005	0.0005	0.00005	mg/L	1	04/08/24 14:37	8260B		MS
trans-1,4-Dichloro-2-butene	<0.010	0.010	0.0003	mg/L	1	04/08/24 14:37	8260B		MS
Trichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	04/08/24 14:37	8260B		MS
Trichlorofluoromethane*	<0.0005	0.0005	0.0001	mg/L	1	04/08/24 14:37	8260B		MS
Vinyl acetate*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:37	8260B		MS
Vinyl chloride*	<0.0005	0.0005	0.0005	mg/L	1	04/08/24 14:37	8260B		MS

Surrogate: 4-Bromofluorobenzene	103 %	76.4-114	04/08/24 14:37	8260B	MS
Surrogate: Dibromofluoromethane	96.1 %	82.4-141	04/08/24 14:37	8260B	MS
Surrogate: Toluene-d8	101 %	87.1-110	04/08/24 14:37	8260B	MS

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Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
04/11/24 08:34

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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 Wells, Project Manager

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Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
04/11/24 08:34

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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							

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Veronica Wells, Project Manager

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Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
04/11/24 08:34

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
04/11/24 08:34

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0483</i>		mg/L	<i>0.0500</i>		<i>96.6</i>	<i>82.4-141</i>			
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			
<i>Surrogate: Toluene-d8</i>	<i>0.0530</i>		mg/L	<i>0.0500</i>		<i>106</i>	<i>87.1-110</i>			
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	
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Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
04/11/24 08:34

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
04/11/24 08:34

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0481</i>		mg/L	<i>0.0500</i>		<i>96.1</i>	<i>82.4-141</i>			
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	
<i>Surrogate: Toluene-d8</i>	<i>0.0525</i>		mg/L	<i>0.0500</i>		<i>105</i>	<i>87.1-110</i>			
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

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
04/11/24 08:34

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

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

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PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
04/11/24 08:34

Qualifier Summary

<u>LabNumber</u>	<u>Analysis</u>	<u>Analyte</u>	<u>Qualifier</u>	<u>TextBody</u>
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

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

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

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

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

Company or Client: Cottonwood Consulting LLC		Bill to (if different):		ANALYSIS REQUEST													
Address: PO Box 1653		State: CO Zip: 81302															
City: Durango																	
Phone #: 970-764-7356																	
Contact Person: Kyle Siesser																	
Email Report to: ksiesser@cottonwoodconsulting.com																	
Project Name(optional): GCU #153E																	
Sampler Name (Print): Kelsey O'Brien																	
Lab I.D. 2403-238 Lab Use Only	Sample Name or Location	Collected		Matrix (check one)													
		Date	Time	GROUNDWATER	SURFACE WATER	WASTEWATER	PRODUCED WATER	DRINKING WATER	SOIL	OTHER	No preservation	Hydrochloric Acid	Sulfuric Acid	Sodium Hydroxide	OTHER		
1) MW #3R		3/28/24	1330	✓									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 consequential 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: <i>[Signature]</i>	Date: 3/28/24	Received By:	Date: 3/28	ADDITIONAL REMARKS:			
	Time: 1505	<i>[Signature]</i>	Time: 1505				
Relinquished By:	Date:	Received By:	Date:				
	Time:		Time:				
Relinquished By:	Date:	Received By:	Date:				
	Time:		Time:				
				Temperature at receipt: 12.7 °C	Checked by: <i>[Signature]</i>	On Ice? ☒ Y ☐ N	Therm. used: <i>[Signature]</i>

† 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.



SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood ConsultingWork Order # 2403-238Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ NoSeals Intact: ☐ Yes ☐ NoThermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ NoneCooler 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: CON 3/28/21Labeled 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:	☐ Yes ☒ No	11.
Field Filtered: ☐ Yes ☐ No		
Sample Labels match COC: -Includes Date/Time/ID	☒ Yes ☐ No	12.
Matrix:	☒ W ☐ 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: _____



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

25 June 2024

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302
RE: GCU #153E

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,

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

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

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
06/25/24 16:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #3R	2406166-01	Water	06/12/24 14:10	06/13/24 09:20	

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
06/25/24 16:44

MW #3R

2406166-01 (Ground Water)

Sampled Date: 06/12/24 14:10

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

VOLATILES BY GC/MS

1,1,1,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	06/19/24 20:18	8260B		CK
1,1,1-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	06/19/24 20:18	8260B		CK
1,1,2,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	06/19/24 20:18	8260B		CK
1,1,2-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	06/19/24 20:18	8260B		CK
1,1-Dichloroethane*	<0.0005	0.0005	0.0002	mg/L	1	06/19/24 20:18	8260B		CK
1,1-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	06/19/24 20:18	8260B		CK
1,1-Dichloropropene*	<0.0005	0.0005	0.0002	mg/L	1	06/19/24 20:18	8260B		CK
1,2,3-Trichlorobenzene*	<0.0005	0.0005	0.0002	mg/L	1	06/19/24 20:18	8260B		CK
1,2,4-Trichlorobenzene*	<0.0005	0.0005	0.0001	mg/L	1	06/19/24 20:18	8260B		CK
1,2,4-Trimethylbenzene*	0.009	0.0005	0.00004	mg/L	1	06/19/24 20:18	8260B		CK
1,2-Dibromo-3-chloropropane*	<0.0005	0.0005	0.0005	mg/L	1	06/19/24 20:18	8260B		CK
1,2-Dibromoethane*	<0.0005	0.0005	0.00009	mg/L	1	06/19/24 20:18	8260B		CK
1,2-Dichlorobenzene*	<0.0005	0.0005	0.00007	mg/L	1	06/19/24 20:18	8260B		CK
1,2-Dichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	06/19/24 20:18	8260B		CK
1,2-Dichloropropane*	<0.0005	0.0005	0.00008	mg/L	1	06/19/24 20:18	8260B		CK
1,3,5-Trimethylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	06/19/24 20:18	8260B		CK
1,3-Dichlorobenzene*	<0.0005	0.0005	0.00005	mg/L	1	06/19/24 20:18	8260B		CK
1,3-Dichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	06/19/24 20:18	8260B		CK
1,4-Dichlorobenzene	<0.0005	0.0005	0.00004	mg/L	1	06/19/24 20:18	8260B		CK
1,4-Dioxane	0.026	0.010	0.010	mg/L	1	06/19/24 20:18	8260B		CK
1,2,3-trichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	06/19/24 20:18	8260B		CK
2,2-Dichloropropane*	<0.0005	0.0005	0.0005	mg/L	1	06/19/24 20:18	8260B		CK
2-Butanone*	<0.002	0.002	0.002	mg/L	1	06/19/24 20:18	8260B		CK
2-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	06/19/24 20:18	8260B		CK
2-Hexanone*	<0.001	0.001	0.0003	mg/L	1	06/19/24 20:18	8260B		CK
4-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	06/19/24 20:18	8260B		CK
4-Methyl-2-pentanone*	<0.001	0.001	0.0001	mg/L	1	06/19/24 20:18	8260B		CK
Acetone*	0.013	0.010	0.0009	mg/L	1	06/19/24 20:18	8260B		CK
Acrolein*	<0.005	0.005	0.001	mg/L	1	06/19/24 20:18	8260B		CK
Acrylonitrile*	<0.002	0.002	0.0008	mg/L	1	06/19/24 20:18	8260B		CK

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
06/25/24 16:44

MW #3R

2406166-01 (Ground Water)

Sampled Date: 06/12/24 14:10

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

VOLATILES BY GC/MS

Benzene*	0.013	0.0005	0.00005	mg/L	1	06/19/24 20:18	8260B		CK
Bromobenzene*	<0.0005	0.0005	0.00006	mg/L	1	06/19/24 20:18	8260B		CK
Bromochloromethane*	<0.0005	0.0005	0.0001	mg/L	1	06/19/24 20:18	8260B		CK
Bromodichloromethane*	<0.0005	0.0005	0.00004	mg/L	1	06/19/24 20:18	8260B		CK
Bromoform*	<0.0005	0.0005	0.00009	mg/L	1	06/19/24 20:18	8260B		CK
Bromomethane*	<0.0005	0.0005	0.0005	mg/L	1	06/19/24 20:18	8260B		CK
Carbon disulfide*	<0.001	0.001	0.0001	mg/L	1	06/19/24 20:18	8260B		CK
Carbon tetrachloride*	<0.0005	0.0005	0.0002	mg/L	1	06/19/24 20:18	8260B		CK
Chlorobenzene*	<0.0005	0.0005	0.00004	mg/L	1	06/19/24 20:18	8260B		CK
Chloroethane*	<0.0005	0.0005	0.0005	mg/L	1	06/19/24 20:18	8260B		CK
Chloroform*	<0.0005	0.0005	0.00002	mg/L	1	06/19/24 20:18	8260B		CK
Chloromethane*	<0.0005	0.0005	0.0005	mg/L	1	06/19/24 20:18	8260B		CK
cis-1,2-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	06/19/24 20:18	8260B		CK
cis-1,3-Dichloropropene*	<0.0005	0.0005	0.00009	mg/L	1	06/19/24 20:18	8260B		CK
Dibromochloromethane*	<0.0005	0.0005	0.00008	mg/L	1	06/19/24 20:18	8260B		CK
Dibromomethane*	<0.0005	0.0005	0.0002	mg/L	1	06/19/24 20:18	8260B		CK
Dichlorodifluoromethane*	<0.0005	0.0005	0.0005	mg/L	1	06/19/24 20:18	8260B		CK
Ethylbenzene*	0.023	0.0005	0.00003	mg/L	1	06/19/24 20:18	8260B		CK
Hexachlorobutadiene*	<0.0005	0.0005	0.0005	mg/L	1	06/19/24 20:18	8260B		CK
Iodomethane	<0.001	0.001	0.00006	mg/L	1	06/19/24 20:18	8260B		CK
Isopropylbenzene*	0.004	0.0005	0.00002	mg/L	1	06/19/24 20:18	8260B		CK
m+p - Xylene*	0.046	0.001	0.00008	mg/L	1	06/19/24 20:18	8260B		CK
Methyl tert-butyl ether	<0.001	0.001	0.0002	mg/L	1	06/19/24 20:18	8260B		CK
Methylene chloride*	<0.0005	0.0005	0.0005	mg/L	1	06/19/24 20:18	8260B		CK
Naphthalene*	0.001	0.0005	0.00008	mg/L	1	06/19/24 20:18	8260B		CK
n-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	06/19/24 20:18	8260B		CK
n-Propylbenzene*	0.002	0.0005	0.00005	mg/L	1	06/19/24 20:18	8260B		CK
o-Xylene*	0.033	0.0005	0.0001	mg/L	1	06/19/24 20:18	8260B		CK
p-Isopropyltoluene*	0.001	0.0005	0.00004	mg/L	1	06/19/24 20:18	8260B		CK
sec-Butylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	06/19/24 20:18	8260B		CK
Styrene*	<0.0005	0.0005	0.0001	mg/L	1	06/19/24 20:18	8260B		CK
tert-Butylbenzene*	0.0005	0.0005	0.00007	mg/L	1	06/19/24 20:18	8260B		CK

Green Analytical Laboratories

Veronica J. Wells

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
06/25/24 16:44

MW #3R

2406166-01 (Ground Water)

Sampled Date: 06/12/24 14:10

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

VOLATILES BY GC/MS

Tetrachloroethene*	<0.0005	0.0005	0.00009	mg/L	1	06/19/24 20:18	8260B		CK
Toluene*	0.018	0.0005	0.00008	mg/L	1	06/19/24 20:18	8260B		CK
Total Xylenes*	0.080	0.001	0.0002	mg/L	1	06/19/24 20:18	8260B		CK
trans-1,2-Dichloroethene*	<0.0005	0.0005	0.0001	mg/L	1	06/19/24 20:18	8260B		CK
trans-1,3-Dichloropropene*	<0.0005	0.0005	0.00005	mg/L	1	06/19/24 20:18	8260B		CK
trans-1,4-Dichloro-2-butene	<0.010	0.010	0.0003	mg/L	1	06/19/24 20:18	8260B		CK
Trichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	06/19/24 20:18	8260B		CK
Trichlorofluoromethane*	<0.0005	0.0005	0.0001	mg/L	1	06/19/24 20:18	8260B		CK
Vinyl acetate*	0.002	0.0005	0.0005	mg/L	1	06/19/24 20:18	8260B		CK
Vinyl chloride*	<0.0005	0.0005	0.0005	mg/L	1	06/19/24 20:18	8260B		CK
Surrogate: 4-Bromofluorobenzene			100 %	76.4-114		06/19/24 20:18	8260B		CK
Surrogate: Dibromofluoromethane			107 %	82.4-141		06/19/24 20:18	8260B		CK
Surrogate: Toluene-d8			98.0 %	87.1-110		06/19/24 20:18	8260B		CK

Green Analytical Laboratories

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
06/25/24 16:44

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4061719 - Volatiles

Blank (4061719-BLK1)

Prepared: 06/17/24 Analyzed: 06/19/24

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	0.0236		mg/L	0.0250	94.3	76.4-114
4-Chlorotoluene	ND	0.0005	mg/L			
4-Methyl-2-pentanone	ND	0.001	mg/L			
Acetone	ND	0.010	mg/L			
Acrolein	ND	0.005	mg/L			
Acrylonitrile	ND	0.002	mg/L			
Benzene	ND	0.0005	mg/L			
Bromobenzene	ND	0.0005	mg/L			
Bromochloromethane	ND	0.0005	mg/L			
Bromodichloromethane	ND	0.0005	mg/L			
Bromoform	ND	0.0005	mg/L			

Green Analytical Laboratories

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
06/25/24 16:44

**VOLATILES BY GC/MS - Quality Control
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4061719 - Volatiles (Continued)

Blank (4061719-BLK1) (Continued)

Prepared: 06/17/24 Analyzed: 06/19/24

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							
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0269</i>		mg/L	<i>0.0250</i>		<i>107</i>	<i>82.4-141</i>			
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							
<i>Surrogate: Toluene-d8</i>	<i>0.0249</i>		mg/L	<i>0.0250</i>		<i>99.5</i>	<i>87.1-110</i>			
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 Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
06/25/24 16:44

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4061719 - Volatiles (Continued)

LCS (4061719-BS1)

Prepared: 06/17/24 Analyzed: 06/19/24

1,1,1,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		105	82.4-120			
1,1,1-Trichloroethane	0.021	0.0005	mg/L	0.0200		104	80.7-121			
1,1,2,2-Tetrachloroethane	0.019	0.0005	mg/L	0.0200		94.5	76.5-121			
1,1,2-Trichloroethane	0.018	0.0005	mg/L	0.0200		91.8	81.7-118			
1,1-Dichloroethane	0.019	0.0005	mg/L	0.0200		96.6	74.8-123			
1,1-Dichloroethene	0.022	0.0005	mg/L	0.0200		108	53.9-149			
1,1-Dichloropropene	0.021	0.0005	mg/L	0.0200		104	85.9-115			
1,2,3-Trichlorobenzene	0.022	0.0005	mg/L	0.0200		109	76.1-134			
1,2,4-Trichlorobenzene	0.022	0.0005	mg/L	0.0200		108	72.4-136			
1,2,4-Trimethylbenzene	0.020	0.0005	mg/L	0.0200		99.8	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	0.022	0.0005	mg/L	0.0200		108	82.5-119			
1,2-Dichloroethane	0.018	0.0005	mg/L	0.0200		90.0	72.5-123			
1,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		95.0	79.4-117			
1,3,5-Trimethylbenzene	0.020	0.0005	mg/L	0.0200		101	69-137			
1,3-Dichlorobenzene	0.022	0.0005	mg/L	0.0200		110	84.4-120			
1,3-Dichloropropane	0.020	0.0005	mg/L	0.0200		99.8	82.6-117			
1,4-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		106	81.7-118			
1,4-Dioxane	0.432	0.010	mg/L	0.400		108	-34.6-193			
1,2,3-trichloropropane	0.014	0.0005	mg/L	0.0200		71.2	44.7-168			
2,2-Dichloropropane	0.020	0.0005	mg/L	0.0200		102	62.9-136			
2-Butanone	0.041	0.002	mg/L	0.0400		102	24.1-159			
2-Chlorotoluene	0.022	0.0005	mg/L	0.0200		110	80.2-121			
2-Hexanone	0.036	0.001	mg/L	0.0400		89.5	56.3-139			
Surrogate: 4-Bromofluorobenzene	0.0252		mg/L	0.0250		101	76.4-114			
4-Chlorotoluene	0.023	0.0005	mg/L	0.0200		113	82.2-125			
4-Methyl-2-pentanone	0.035	0.001	mg/L	0.0400		87.7	60.7-139			
Acetone	0.043	0.010	mg/L	0.0400		107	39.1-168			
Acrolein	0.228	0.005	mg/L	0.200		114	26.6-161			
Acrylonitrile	0.040	0.002	mg/L	0.0400		100	64.9-135			
Benzene	0.019	0.0005	mg/L	0.0200		96.0	69.4-129			
Bromobenzene	0.020	0.0005	mg/L	0.0200		101	83.5-115			
Bromochloromethane	0.024	0.0005	mg/L	0.0200		119	70.7-123			
Bromodichloromethane	0.020	0.0005	mg/L	0.0200		101	80.3-119			
Bromoform	0.022	0.0005	mg/L	0.0200		108	71.1-141			
Bromomethane	0.023	0.0005	mg/L	0.0200		116	55.1-143			
Carbon disulfide	0.045	0.001	mg/L	0.0400		113	53.6-147			
Carbon tetrachloride	0.023	0.0005	mg/L	0.0200		115	79.5-125			

Green Analytical Laboratories

Veronica J. Wells

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
06/25/24 16:44

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4061719 - Volatiles (Continued)

LCS (4061719-BS1) (Continued)

Prepared: 06/17/24 Analyzed: 06/19/24

Chlorobenzene	0.020	0.0005	mg/L	0.0200		100	85.1-115			
Chloroethane	0.021	0.0005	mg/L	0.0200		107	36.9-159			
Chloroform	0.020	0.0005	mg/L	0.0200		99.6	80.9-119			
Chloromethane	0.019	0.0005	mg/L	0.0200		96.9	54.2-142			
cis-1,2-Dichloroethene	0.020	0.0005	mg/L	0.0200		98.8	73.8-128			
cis-1,3-Dichloropropene	0.023	0.0005	mg/L	0.0200		113	82.5-122			
Dibromochloromethane	0.022	0.0005	mg/L	0.0200		108	83.1-124			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0248</i>		mg/L	<i>0.0250</i>		<i>99.4</i>	<i>82.4-141</i>			
Dibromomethane	0.021	0.0005	mg/L	0.0200		103	77-118			
Dichlorodifluoromethane	0.021	0.0005	mg/L	0.0200		103	38.7-147			
Ethylbenzene	0.021	0.0005	mg/L	0.0200		105	70.2-130			
Hexachlorobutadiene	0.022	0.0005	mg/L	0.0200		112	78.9-148			
Iodomethane	0.045	0.001	mg/L	0.0400		114	63.5-135			
Isopropylbenzene	0.021	0.0005	mg/L	0.0200		104	85-124			
m+p - Xylene	0.041	0.001	mg/L	0.0400		103	71.9-133			
Methyl tert-butyl ether	0.040	0.001	mg/L	0.0400		99.8	57.7-137			
Methylene chloride	0.022	0.0005	mg/L	0.0200		108	49.3-163			
Naphthalene	0.022	0.0005	mg/L	0.0200		112	62.1-141			
n-Butylbenzene	0.022	0.0005	mg/L	0.0200		111	75.4-132			
n-Propylbenzene	0.022	0.0005	mg/L	0.0200		112	79.6-124			
o-Xylene	0.021	0.0005	mg/L	0.0200		103	69.4-132			
p-Isopropyltoluene	0.024	0.0005	mg/L	0.0200		121	79.8-131			
sec-Butylbenzene	0.021	0.0005	mg/L	0.0200		103	77.6-133			
Styrene	0.021	0.0005	mg/L	0.0200		106	71.7-128			
tert-Butylbenzene	0.020	0.0005	mg/L	0.0200		102	78.8-128			
Tetrachloroethene	0.020	0.0005	mg/L	0.0200		102	74.2-128			
Toluene	0.019	0.0005	mg/L	0.0200		96.7	68.1-127			
<i>Surrogate: Toluene-d8</i>	<i>0.0253</i>		mg/L	<i>0.0250</i>		<i>101</i>	<i>87.1-110</i>			
Total Xylenes	0.062	0.001	mg/L	0.0600		103	71.6-132			
trans-1,2-Dichloroethene	0.022	0.0005	mg/L	0.0200		110	65.2-133			
trans-1,3-Dichloropropene	0.025	0.0005	mg/L	0.0200		123	84-123			
trans-1,4-Dichloro-2-butene	0.077	0.010	mg/L	0.0400		193	9.3-235			
Trichloroethene	0.020	0.0005	mg/L	0.0200		101	79.3-114			
Trichlorofluoromethane	0.023	0.0005	mg/L	0.0200		114	28.6-162			
Vinyl acetate	0.016	0.0005	mg/L	0.0200		79.0	50.9-135			
Vinyl chloride	0.020	0.0005	mg/L	0.0200		102	61.6-133			

LCS Dup (4061719-BSD1)

Prepared: 06/17/24 Analyzed: 06/19/24

1,1,1,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		105	82.4-120	0.00	6.88	
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Veronica J. Wells

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
06/25/24 16:44

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4061719 - Volatiles (Continued)

LCS Dup (4061719-BSD1) (Continued)

Prepared: 06/17/24 Analyzed: 06/19/24

1,1,1-Trichloroethane	0.021	0.0005	mg/L	0.0200		104	80.7-121	0.0482	7.43	
1,1,2,2-Tetrachloroethane	0.018	0.0005	mg/L	0.0200		90.7	76.5-121	4.16	8.68	
1,1,2-Trichloroethane	0.019	0.0005	mg/L	0.0200		92.6	81.7-118	0.976	6.82	
1,1-Dichloroethane	0.020	0.0005	mg/L	0.0200		98.1	74.8-123	1.49	4.3	
1,1-Dichloroethene	0.022	0.0005	mg/L	0.0200		112	53.9-149	3.32	16.5	
1,1-Dichloropropene	0.021	0.0005	mg/L	0.0200		104	85.9-115	0.00	5.47	
1,2,3-Trichlorobenzene	0.021	0.0005	mg/L	0.0200		103	76.1-134	5.89	43	
1,2,4-Trichlorobenzene	0.020	0.0005	mg/L	0.0200		102	72.4-136	6.15	22.3	
1,2,4-Trimethylbenzene	0.019	0.0005	mg/L	0.0200		96.6	67.4-138	3.36	8.94	
1,2-Dibromo-3-chloropropane	0.019	0.0005	mg/L	0.0200		97.0	71.7-124	8.49	15.1	
1,2-Dibromoethane	0.021	0.0005	mg/L	0.0200		103	84.9-116	2.51	5.83	
1,2-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		104	82.5-119	3.44	8.72	
1,2-Dichloroethane	0.019	0.0005	mg/L	0.0200		92.6	72.5-123	2.85	8.94	
1,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		96.4	79.4-117	1.36	5.51	
1,3,5-Trimethylbenzene	0.019	0.0005	mg/L	0.0200		96.9	69-137	4.39	16.5	
1,3-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		105	84.4-120	4.23	9	
1,3-Dichloropropane	0.020	0.0005	mg/L	0.0200		99.6	82.6-117	0.251	6.06	
1,4-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		101	81.7-118	4.50	7.71	
1,4-Dioxane	0.429	0.010	mg/L	0.400		107	-34.6-193	0.678	35.2	
1,2,3-trichloropropane	0.020	0.0005	mg/L	0.0200		98.2	44.7-168	31.8	49.2	
2,2-Dichloropropane	0.020	0.0005	mg/L	0.0200		102	62.9-136	0.489	9.62	
2-Butanone	0.042	0.002	mg/L	0.0400		104	24.1-159	1.60	14.2	
2-Chlorotoluene	0.021	0.0005	mg/L	0.0200		105	80.2-121	4.62	8.62	
2-Hexanone	0.037	0.001	mg/L	0.0400		91.3	56.3-139	1.94	7.28	
Surrogate: 4-Bromofluorobenzene	0.0253		mg/L	0.0250		101	76.4-114			
4-Chlorotoluene	0.022	0.0005	mg/L	0.0200		109	82.2-125	4.15	15.5	
4-Methyl-2-pentanone	0.035	0.001	mg/L	0.0400		88.3	60.7-139	0.653	7.57	
Acetone	0.044	0.010	mg/L	0.0400		109	39.1-168	2.03	30.5	
Acrolein	0.229	0.005	mg/L	0.200		115	26.6-161	0.757	22.4	
Acrylonitrile	0.041	0.002	mg/L	0.0400		102	64.9-135	2.22	7.62	
Benzene	0.019	0.0005	mg/L	0.0200		96.2	69.4-129	0.156	4.16	
Bromobenzene	0.019	0.0005	mg/L	0.0200		96.8	83.5-115	4.69	8.41	
Bromochloromethane	0.024	0.0005	mg/L	0.0200		119	70.7-123	0.168	5.16	
Bromodichloromethane	0.020	0.0005	mg/L	0.0200		102	80.3-119	1.19	5.36	
Bromoform	0.021	0.0005	mg/L	0.0200		104	71.1-141	3.63	14.1	
Bromomethane	0.024	0.0005	mg/L	0.0200		118	55.1-143	1.67	21.5	
Carbon disulfide	0.045	0.001	mg/L	0.0400		112	53.6-147	0.713	20.3	
Carbon tetrachloride	0.024	0.0005	mg/L	0.0200		118	79.5-125	2.87	11.4	
Chlorobenzene	0.020	0.0005	mg/L	0.0200		102	85.1-115	1.53	5.18	

Green Analytical Laboratories

Veronica J. Wells

Veronica Wells, Project Manager

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PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
06/25/24 16:44

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4061719 - Volatiles (Continued)

LCS Dup (4061719-BSD1) (Continued)

Prepared: 06/17/24 Analyzed: 06/19/24

Chloroethane	0.022	0.0005	mg/L	0.0200		109	36.9-159	2.45	24.1	
Chloroform	0.020	0.0005	mg/L	0.0200		101	80.9-119	1.25	5.15	
Chloromethane	0.019	0.0005	mg/L	0.0200		94.1	54.2-142	2.88	27	
cis-1,2-Dichloroethene	0.020	0.0005	mg/L	0.0200		101	73.8-128	1.90	5.73	
cis-1,3-Dichloropropene	0.022	0.0005	mg/L	0.0200		112	82.5-122	0.842	6.09	
Dibromochloromethane	0.021	0.0005	mg/L	0.0200		106	83.1-124	1.45	7.24	
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0247</i>		mg/L	<i>0.0250</i>		<i>99.0</i>	<i>82.4-141</i>			
Dibromomethane	0.021	0.0005	mg/L	0.0200		106	77-118	2.78	5.75	
Dichlorodifluoromethane	0.021	0.0005	mg/L	0.0200		105	38.7-147	2.26	22.6	
Ethylbenzene	0.021	0.0005	mg/L	0.0200		105	70.2-130	0.00	4.83	
Hexachlorobutadiene	0.022	0.0005	mg/L	0.0200		108	78.9-148	3.18	18.4	
Iodomethane	0.045	0.001	mg/L	0.0400		114	63.5-135	0.176	24.3	
Isopropylbenzene	0.021	0.0005	mg/L	0.0200		105	85-124	0.573	6.25	
m+p - Xylene	0.042	0.001	mg/L	0.0400		104	71.9-133	0.338	5.77	
Methyl tert-butyl ether	0.041	0.001	mg/L	0.0400		102	57.7-137	2.62	12.8	
Methylene chloride	0.021	0.0005	mg/L	0.0200		107	49.3-163	0.742	19.7	
Naphthalene	0.021	0.0005	mg/L	0.0200		105	62.1-141	6.86	33.5	
n-Butylbenzene	0.021	0.0005	mg/L	0.0200		105	75.4-132	5.28	10.1	
n-Propylbenzene	0.022	0.0005	mg/L	0.0200		108	79.6-124	4.00	9.09	
o-Xylene	0.020	0.0005	mg/L	0.0200		102	69.4-132	0.244	6.29	
p-Isopropyltoluene	0.025	0.0005	mg/L	0.0200		127	79.8-131	5.32	9.26	
sec-Butylbenzene	0.020	0.0005	mg/L	0.0200		98.8	77.6-133	3.92	9.85	
Styrene	0.021	0.0005	mg/L	0.0200		105	71.7-128	0.427	7.55	
tert-Butylbenzene	0.020	0.0005	mg/L	0.0200		97.8	78.8-128	4.26	18.6	
Tetrachloroethene	0.021	0.0005	mg/L	0.0200		104	74.2-128	2.18	6.38	
Toluene	0.019	0.0005	mg/L	0.0200		96.4	68.1-127	0.311	5.67	
<i>Surrogate: Toluene-d8</i>	<i>0.0251</i>		mg/L	<i>0.0250</i>		<i>100</i>	<i>87.1-110</i>			
Total Xylenes	0.062	0.001	mg/L	0.0600		103	71.6-132	0.145	5.83	
trans-1,2-Dichloroethene	0.022	0.0005	mg/L	0.0200		112	65.2-133	1.80	19.1	
trans-1,3-Dichloropropene	0.024	0.0005	mg/L	0.0200		121	84-123	1.39	6.26	
trans-1,4-Dichloro-2-butene	0.060	0.010	mg/L	0.0400		150	9.3-235	25.2	92.8	
Trichloroethene	0.021	0.0005	mg/L	0.0200		103	79.3-114	1.57	4.92	
Trichlorofluoromethane	0.023	0.0005	mg/L	0.0200		115	28.6-162	1.40	19.8	
Vinyl acetate	0.016	0.0005	mg/L	0.0200		80.9	50.9-135	2.31	7.84	
Vinyl chloride	0.020	0.0005	mg/L	0.0200		101	61.6-133	0.197	23	

Green Analytical Laboratories

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
06/25/24 16:44

Notes and Definitions

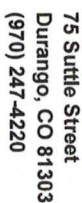
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis *Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL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

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

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

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

Company or Client: Cottonwood Consulting LLC		Bill to (if different):		ANALYSIS REQUEST							
Address: PO Box 1653											
City: Durango		State: CO		Zip: 81302							
Phone #: 970-764-7356											
Contact Person: Kyle Stesser											
Email Report to: kstesser@cottonwoodconsulting.com											
Project Name(optional):		P.O. #:									
GCU #153E		Rush? ☐ Y ☐ N		TAT Needed? ☐							
Sampler Name (Print): Kelsey O'Brien											
Lab I.D. 2406-146 Lab Use Only		Sample Name or Location		Matrix (check one)		# of containers					
				Groundwater ☒ Surface Water ☐ Wastewater ☐ Produced Water ☐ Drinking Water ☐ Soil ☐ Other: ☐		No preservation ☐ Nitric Acid ☐ Hydrochloric Acid ☐ Sulfuric Acid ☐ Sodium Hydroxide ☐ Other: ☐					
1) MW #3R		Date: 6/12/2024		Time: 1410		X		4		Y	
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 consequential 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: 6/13/24		Time: 920	
Relinquished By:		Date: 6/12/24		Time: 0915		Received By:		Date: 6/13/24		Time: 920	
Relinquished By:		Date:		Time:		Received By:		Date:		Time:	
ADDITIONAL REMARKS:											
Temperature at receipt: 49 °C											
Checked by: MWA											
On Ice? ☒ Y ☐ N											
Therm. used: 1602											



SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood ConsultingWork Order # 2400-166Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ NoThermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ NoneCooler Temp: Observed Temp: 4.4 °C Correction Factor: 0 °C Final Temp: 4.4 °C

* Temp should be above freezing to 6°C

Date/Initials of person
examining contents: CON
6.13.24Labeled 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. <u>Air bubbles in all vials</u>
Dissolved Testing Needed:	☐ Yes ☒ No	11.
Field Filtered: ☐ Yes ☐ No		
Sample Labels match COC: -Includes Date/Time/ID	☒ Yes ☐ No	12.
Matrix: <u>SL</u> <u>OT</u>		
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: _____



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 #153E

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,

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

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

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
09/26/24 10:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #3R	2409201-01	Water	09/17/24 12:55	09/17/24 16:20	

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
09/26/24 10:07

MW #3R

2409201-01 (Ground Water)

Sampled Date: 09/17/24 12:55

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

VOLATILES BY GC/MS

1,1,1,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/24/24 16:11	8260B		MS
1,1,1-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/24/24 16:11	8260B		MS
1,1,2,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/24/24 16:11	8260B		MS
1,1,2-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/24/24 16:11	8260B		MS
1,1-Dichloroethane*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 16:11	8260B		MS
1,1-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 16:11	8260B		MS
1,1-Dichloropropene*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 16:11	8260B		MS
1,2,3-Trichlorobenzene*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 16:11	8260B		MS
1,2,4-Trichlorobenzene*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 16:11	8260B		MS
1,2,4-Trimethylbenzene*	0.002	0.0005	0.00004	mg/L	1	09/24/24 16:11	8260B		MS
1,2-Dibromo-3-chloropropane*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 16:11	8260B		MS
1,2-Dibromoethane*	<0.0005	0.0005	0.00009	mg/L	1	09/24/24 16:11	8260B		MS
1,2-Dichlorobenzene*	<0.0005	0.0005	0.00007	mg/L	1	09/24/24 16:11	8260B		MS
1,2-Dichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/24/24 16:11	8260B		MS
1,2-Dichloropropane*	<0.0005	0.0005	0.00008	mg/L	1	09/24/24 16:11	8260B		MS
1,3,5-Trimethylbenzene*	0.0005	0.0005	0.00004	mg/L	1	09/24/24 16:11	8260B		MS
1,3-Dichlorobenzene*	<0.0005	0.0005	0.00005	mg/L	1	09/24/24 16:11	8260B		MS
1,3-Dichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 16:11	8260B		MS
1,4-Dichlorobenzene	<0.0005	0.0005	0.00004	mg/L	1	09/24/24 16:11	8260B		MS
1,4-Dioxane	<0.010	0.010	0.010	mg/L	1	09/24/24 16:11	8260B		MS
1,2,3-trichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 16:11	8260B		MS
2,2-Dichloropropane*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 16:11	8260B		MS
2-Butanone*	<0.002	0.002	0.002	mg/L	1	09/24/24 16:11	8260B		MS
2-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	09/24/24 16:11	8260B		MS
2-Hexanone*	<0.001	0.001	0.0003	mg/L	1	09/24/24 16:11	8260B		MS
4-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	09/24/24 16:11	8260B		MS
4-Methyl-2-pentanone*	<0.001	0.001	0.0001	mg/L	1	09/24/24 16:11	8260B		MS
Acetone*	<0.010	0.010	0.0009	mg/L	1	09/24/24 16:11	8260B		MS
Acrolein*	<0.005	0.005	0.001	mg/L	1	09/24/24 16:11	8260B		MS
Acrylonitrile*	<0.002	0.002	0.0008	mg/L	1	09/24/24 16:11	8260B		MS

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
09/26/24 10:07

MW #3R

2409201-01 (Ground Water)

Sampled Date: 09/17/24 12:55

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

VOLATILES BY GC/MS

Benzene*	0.004	0.0005	0.00005	mg/L	1	09/24/24 16:11	8260B		MS
Bromobenzene*	<0.0005	0.0005	0.00006	mg/L	1	09/24/24 16:11	8260B		MS
Bromochloromethane*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 16:11	8260B		MS
Bromodichloromethane*	<0.0005	0.0005	0.00004	mg/L	1	09/24/24 16:11	8260B		MS
Bromoform*	<0.0005	0.0005	0.00009	mg/L	1	09/24/24 16:11	8260B		MS
Bromomethane*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 16:11	8260B		MS
Carbon disulfide*	0.001	0.001	0.0001	mg/L	1	09/24/24 16:11	8260B		MS
Carbon tetrachloride*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 16:11	8260B		MS
Chlorobenzene*	<0.0005	0.0005	0.00004	mg/L	1	09/24/24 16:11	8260B		MS
Chloroethane*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 16:11	8260B		MS
Chloroform*	<0.0005	0.0005	0.00002	mg/L	1	09/24/24 16:11	8260B		MS
Chloromethane*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 16:11	8260B		MS
cis-1,2-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 16:11	8260B		MS
cis-1,3-Dichloropropene*	<0.0005	0.0005	0.00009	mg/L	1	09/24/24 16:11	8260B		MS
Dibromochloromethane*	<0.0005	0.0005	0.00008	mg/L	1	09/24/24 16:11	8260B		MS
Dibromomethane*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 16:11	8260B		MS
Dichlorodifluoromethane*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 16:11	8260B		MS
Ethylbenzene*	0.004	0.0005	0.00003	mg/L	1	09/24/24 16:11	8260B		MS
Hexachlorobutadiene*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 16:11	8260B		MS
Iodomethane	<0.001	0.001	0.00006	mg/L	1	09/24/24 16:11	8260B		MS
Isopropylbenzene*	0.002	0.0005	0.00002	mg/L	1	09/24/24 16:11	8260B		MS
m+p - Xylene*	0.006	0.001	0.00008	mg/L	1	09/24/24 16:11	8260B		MS
Methyl tert-butyl ether	<0.001	0.001	0.0002	mg/L	1	09/24/24 16:11	8260B		MS
Methylene chloride*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 16:11	8260B		MS
Naphthalene*	<0.0005	0.0005	0.00008	mg/L	1	09/24/24 16:11	8260B		MS
n-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	09/24/24 16:11	8260B		MS
n-Propylbenzene*	0.0006	0.0005	0.00005	mg/L	1	09/24/24 16:11	8260B		MS
o-Xylene*	0.004	0.0005	0.0001	mg/L	1	09/24/24 16:11	8260B		MS
p-Isopropyltoluene*	0.0008	0.0005	0.00004	mg/L	1	09/24/24 16:11	8260B		MS
sec-Butylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	09/24/24 16:11	8260B		MS
Styrene*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 16:11	8260B		MS
tert-Butylbenzene*	0.0006	0.0005	0.00007	mg/L	1	09/24/24 16:11	8260B		MS

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
09/26/24 10:07

MW #3R

2409201-01 (Ground Water)

Sampled Date: 09/17/24 12:55

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

VOLATILES BY GC/MS

Tetrachloroethene*	<0.0005	0.0005	0.00009	mg/L	1	09/24/24 16:11	8260B		MS
Toluene*	0.004	0.0005	0.00008	mg/L	1	09/24/24 16:11	8260B		MS
Total Xylenes*	0.010	0.001	0.0002	mg/L	1	09/24/24 16:11	8260B		MS
trans-1,2-Dichloroethene*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 16:11	8260B		MS
trans-1,3-Dichloropropene*	<0.0005	0.0005	0.00005	mg/L	1	09/24/24 16:11	8260B		MS
trans-1,4-Dichloro-2-butene	<0.010	0.010	0.0003	mg/L	1	09/24/24 16:11	8260B		MS
Trichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	09/24/24 16:11	8260B		MS
Trichlorofluoromethane*	<0.0005	0.0005	0.0001	mg/L	1	09/24/24 16:11	8260B		MS
Vinyl acetate*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 16:11	8260B		MS
Vinyl chloride*	<0.0005	0.0005	0.0005	mg/L	1	09/24/24 16:11	8260B		MS
Surrogate: 4-Bromofluorobenzene			95.7 %	76.4-114		09/24/24 16:11	8260B		MS
Surrogate: Dibromofluoromethane			111 %	82.4-141		09/24/24 16:11	8260B		MS
Surrogate: Toluene-d8			97.6 %	87.1-110		09/24/24 16:11	8260B		MS

Green Analytical Laboratories

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
09/26/24 10:07

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

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
09/26/24 10:07

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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 Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
09/26/24 10:07

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
09/26/24 10:07

**VOLATILES BY GC/MS - Quality Control
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0241</i>		mg/L	<i>0.0250</i>		<i>96.4</i>	<i>82.4-141</i>			
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			
<i>Surrogate: Toluene-d8</i>	<i>0.0254</i>		mg/L	<i>0.0250</i>		<i>101</i>	<i>87.1-110</i>			
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	
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Green Analytical Laboratories

Veronica J. Wells

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
09/26/24 10:07

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
09/26/24 10:07

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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	
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0244</i>		mg/L	<i>0.0250</i>		<i>97.5</i>	<i>82.4-141</i>			
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	
<i>Surrogate: Toluene-d8</i>	<i>0.0253</i>		mg/L	<i>0.0250</i>		<i>101</i>	<i>87.1-110</i>			
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

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
09/26/24 10:07

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

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
09/26/24 10:07

Qualifier Summary

<u>LabNumber</u>	<u>Analysis</u>	<u>Analyte</u>	<u>Qualifier</u>	<u>TextBody</u>
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

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006, R 8.0

Note: Write-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 #153E

Sampler Name (Print):

Dylan Singer Kelly O'Brien

Collected

P.O. #: Rush? TAT Needed?

Matrix (check one)

of containers

Lab I.D.

2409-201
Lab Use Only

Sample Name or Location

01

1) MW #3R

Date

Time

9/17/24

1255

GROUNDWATER
SURFACE WATER
WASTEWATER
PRODUCED WATER
DRINKING WATER
SOIL
OTHER:
No preservation
Nitric Acid
Hydrochloric Acid
Sulfuric Acid
Sodium Hydroxide
OTHER:

EPA Method 8260B (VOCs)

ANALYSIS REQUEST

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 consequential 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.

ADDITIONAL REMARKS:

Relinquished By:

Date: 9/17/24

Received By:

Date: 9/17/24

Relinquished By:

Date: 10/20

Received By:

Date: 10/20

Relinquished By:

Date:

Received By:

Date:

Time:

Time:

Time:

Temperature at receipt:

Checked by:

On Ice?

Therm. used:

18.2 °C

WPA

Y

10/21/24

* 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.



SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood ConsultingWork Order # 2409-201Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ NoSeals Intact: ☐ Yes ☐ NoThermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ NoneCooler 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: 9.17.24
CANLabeled 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. <u>2 of 4 vials have headspace 76mm</u>
Correct Containers Used:	☒ Yes ☐ No	9.
Containers Intact:	☒ Yes ☐ No	10.
Dissolved Testing Needed:	☐ Yes ☒ No	11.
Field Filtered: ☐ Yes ☐ No	☐ Yes ☐ No	12.
Sample Labels match COC: -Includes Date/Time/ID	☒ Yes ☐ No	13.
Matrix:	☒ WT ☐ SL ☐ OT	
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	
Trip Blank Custody Seals Present:	☐ Yes ☐ No ☒ N/A	

Client Notification/Resolution:

Person Contacted: _____

Date/Time: _____

 Comments/Resolution: _____



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

18 December 2024

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302
RE: GCU #153E

Enclosed are the results of analyses for samples received by the laboratory on 12/10/24 16:55. 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,

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

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

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
12/18/24 13:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #3R	2412102-01	Water	12/10/24 14:40	12/10/24 16:55	

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
12/18/24 13:14

MW #3R

2412102-01 (Ground Water)

Sampled Date: 12/10/24 14:40

Sampled By: Dylan Songer & Kelsey O'Brien

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

VOLATILES BY GC/MS

1,1,1,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	12/15/24 19:46	8260B		SK
1,1,1-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	12/15/24 19:46	8260B		SK
1,1,2,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	12/15/24 19:46	8260B		SK
1,1,2-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	12/15/24 19:46	8260B		SK
1,1-Dichloroethane*	<0.0005	0.0005	0.0002	mg/L	1	12/15/24 19:46	8260B		SK
1,1-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	12/15/24 19:46	8260B		SK
1,1-Dichloropropene*	<0.0005	0.0005	0.0002	mg/L	1	12/15/24 19:46	8260B		SK
1,2,3-Trichlorobenzene*	<0.0005	0.0005	0.0002	mg/L	1	12/15/24 19:46	8260B		SK
1,2,4-Trichlorobenzene*	<0.0005	0.0005	0.0001	mg/L	1	12/15/24 19:46	8260B		SK
1,2,4-Trimethylbenzene*	0.0008	0.0005	0.00004	mg/L	1	12/15/24 19:46	8260B		SK
1,2-Dibromo-3-chloropropane*	<0.0005	0.0005	0.0005	mg/L	1	12/15/24 19:46	8260B		SK
1,2-Dibromoethane*	<0.0005	0.0005	0.00009	mg/L	1	12/15/24 19:46	8260B		SK
1,2-Dichlorobenzene*	<0.0005	0.0005	0.00007	mg/L	1	12/15/24 19:46	8260B		SK
1,2-Dichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	12/15/24 19:46	8260B		SK
1,2-Dichloropropane*	<0.0005	0.0005	0.00008	mg/L	1	12/15/24 19:46	8260B		SK
1,3,5-Trimethylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	12/15/24 19:46	8260B		SK
1,3-Dichlorobenzene*	<0.0005	0.0005	0.00005	mg/L	1	12/15/24 19:46	8260B		SK
1,3-Dichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	12/15/24 19:46	8260B		SK
1,4-Dichlorobenzene	<0.0005	0.0005	0.00004	mg/L	1	12/15/24 19:46	8260B		SK
1,4-Dioxane	<0.020	0.020	0.020	mg/L	1	12/15/24 19:46	8260B		SK
1,2,3-trichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	12/15/24 19:46	8260B		SK
2,2-Dichloropropane*	<0.0005	0.0005	0.0005	mg/L	1	12/15/24 19:46	8260B		SK
2-Butanone*	<0.002	0.002	0.002	mg/L	1	12/15/24 19:46	8260B		SK
2-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	12/15/24 19:46	8260B		SK
2-Hexanone*	<0.001	0.001	0.0003	mg/L	1	12/15/24 19:46	8260B		SK
4-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	12/15/24 19:46	8260B		SK
4-Methyl-2-pentanone*	<0.001	0.001	0.0001	mg/L	1	12/15/24 19:46	8260B		SK
Acetone*	<0.010	0.010	0.0009	mg/L	1	12/15/24 19:46	8260B		SK

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
12/18/24 13:14

MW #3R

2412102-01 (Ground Water)

Sampled Date: 12/10/24 14:40

Sampled By: Dylan Songer & Kelsey O'Brien

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
---------	--------	----	-----	-------	----------	----------	--------	-------	---------

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

VOLATILES BY GC/MS

Acrolein*	<0.005	0.005	0.001	mg/L	1	12/15/24 19:46	8260B		SK
Acrylonitrile*	<0.002	0.002	0.0008	mg/L	1	12/15/24 19:46	8260B		SK
Benzene*	0.0008	0.0005	0.00005	mg/L	1	12/15/24 19:46	8260B		SK
Bromobenzene*	<0.0005	0.0005	0.00006	mg/L	1	12/15/24 19:46	8260B		SK
Bromochloromethane*	<0.0005	0.0005	0.0001	mg/L	1	12/15/24 19:46	8260B		SK
Bromodichloromethane*	<0.0005	0.0005	0.00004	mg/L	1	12/15/24 19:46	8260B		SK
Bromoform*	<0.0005	0.0005	0.00009	mg/L	1	12/15/24 19:46	8260B		SK
Bromomethane*	<0.0005	0.0005	0.0005	mg/L	1	12/15/24 19:46	8260B		SK
Carbon disulfide*	<0.001	0.001	0.0001	mg/L	1	12/15/24 19:46	8260B		SK
Carbon tetrachloride*	<0.0005	0.0005	0.0002	mg/L	1	12/15/24 19:46	8260B		SK
Chlorobenzene*	<0.0005	0.0005	0.00004	mg/L	1	12/15/24 19:46	8260B		SK
Chloroethane*	<0.0005	0.0005	0.0005	mg/L	1	12/15/24 19:46	8260B		SK
Chloroform*	<0.0005	0.0005	0.00002	mg/L	1	12/15/24 19:46	8260B		SK
Chloromethane*	<0.0005	0.0005	0.0005	mg/L	1	12/15/24 19:46	8260B		SK
cis-1,2-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	12/15/24 19:46	8260B		SK
cis-1,3-Dichloropropene*	<0.0005	0.0005	0.00009	mg/L	1	12/15/24 19:46	8260B		SK
Dibromochloromethane*	<0.0005	0.0005	0.00008	mg/L	1	12/15/24 19:46	8260B		SK
Dibromomethane*	<0.0005	0.0005	0.0002	mg/L	1	12/15/24 19:46	8260B		SK
Dichlorodifluoromethane*	<0.0005	0.0005	0.0005	mg/L	1	12/15/24 19:46	8260B		SK
Ethylbenzene*	0.001	0.0005	0.00003	mg/L	1	12/15/24 19:46	8260B		SK
Hexachlorobutadiene*	<0.0005	0.0005	0.0005	mg/L	1	12/15/24 19:46	8260B		SK
Iodomethane	<0.001	0.001	0.00006	mg/L	1	12/15/24 19:46	8260B		SK
Isopropylbenzene*	<0.0005	0.0005	0.00002	mg/L	1	12/15/24 19:46	8260B		SK
m+p - Xylene*	0.003	0.001	0.00008	mg/L	1	12/15/24 19:46	8260B		SK
Methyl tert-butyl ether	<0.001	0.001	0.0002	mg/L	1	12/15/24 19:46	8260B		SK
Methylene chloride*	<0.010	0.010	0.0005	mg/L	1	12/15/24 19:46	8260B		SK
Naphthalene*	<0.0005	0.0005	0.00008	mg/L	1	12/15/24 19:46	8260B		SK
n-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	12/15/24 19:46	8260B		SK
n-Propylbenzene*	<0.0005	0.0005	0.00005	mg/L	1	12/15/24 19:46	8260B		SK
o-Xylene*	0.002	0.0005	0.0001	mg/L	1	12/15/24 19:46	8260B		SK
p-Isopropyltoluene*	<0.0005	0.0005	0.00004	mg/L	1	12/15/24 19:46	8260B		SK

Green Analytical Laboratories

Veronica J. Wells

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
12/18/24 13:14

MW #3R

2412102-01 (Ground Water)

Sampled Date: 12/10/24 14:40

Sampled By: Dylan Songer & Kelsey O'Brien

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
---------	--------	----	-----	-------	----------	----------	--------	-------	---------

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

VOLATILES BY GC/MS

sec-Butylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	12/15/24 19:46	8260B		SK
Styrene*	<0.0005	0.0005	0.0001	mg/L	1	12/15/24 19:46	8260B		SK
tert-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	12/15/24 19:46	8260B		SK
Tetrachloroethene*	<0.0005	0.0005	0.00009	mg/L	1	12/15/24 19:46	8260B		SK
Toluene*	0.003	0.0005	0.00008	mg/L	1	12/15/24 19:46	8260B		SK
Total Xylenes*	0.005	0.001	0.0002	mg/L	1	12/15/24 19:46	8260B		SK
trans-1,2-Dichloroethene*	<0.0005	0.0005	0.0001	mg/L	1	12/15/24 19:46	8260B		SK
trans-1,3-Dichloropropene*	<0.0005	0.0005	0.00005	mg/L	1	12/15/24 19:46	8260B		SK
trans-1,4-Dichloro-2-butene	<0.010	0.010	0.0003	mg/L	1	12/15/24 19:46	8260B		SK
Trichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	12/15/24 19:46	8260B		SK
Trichlorofluoromethane*	<0.0005	0.0005	0.0001	mg/L	1	12/15/24 19:46	8260B		SK
Vinyl acetate*	<0.0005	0.0005	0.0005	mg/L	1	12/15/24 19:46	8260B		SK
Vinyl chloride*	<0.0005	0.0005	0.0005	mg/L	1	12/15/24 19:46	8260B		SK
Surrogate: 4-Bromofluorobenzene			99.7 %	76.4-114		12/15/24 19:46	8260B		SK
Surrogate: Dibromofluoromethane			96.4 %	82.4-141		12/15/24 19:46	8260B		SK
Surrogate: Toluene-d8			101 %	87.1-110		12/15/24 19:46	8260B		SK

Green Analytical Laboratories

Veronica J. Wells

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
12/18/24 13:14

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4121202 - Volatiles

Blank (4121202-BLK1)

Prepared: 12/12/24 Analyzed: 12/15/24

1,1,1,2-Tetrachloroethane	ND	0.0005	mg/L
1,1,1-Trichloroethane	ND	0.0005	mg/L
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L
1,1,2-Trichloroethane	ND	0.0005	mg/L
1,1-Dichloroethane	ND	0.0005	mg/L
1,1-Dichloroethene	ND	0.0005	mg/L
1,1-Dichloropropene	ND	0.0005	mg/L
1,2,3-Trichlorobenzene	ND	0.0005	mg/L
1,2,4-Trichlorobenzene	ND	0.0005	mg/L
1,2,4-Trimethylbenzene	ND	0.0005	mg/L
1,2-Dibromo-3-chloropropane	ND	0.0005	mg/L
1,2-Dibromoethane	ND	0.0005	mg/L
1,2-Dichlorobenzene	ND	0.0005	mg/L
1,2-Dichloroethane	ND	0.0005	mg/L
1,2-Dichloropropane	ND	0.0005	mg/L
1,3,5-Trimethylbenzene	ND	0.0005	mg/L
1,3-Dichlorobenzene	ND	0.0005	mg/L
1,3-Dichloropropane	ND	0.0005	mg/L
1,4-Dichlorobenzene	ND	0.0005	mg/L
1,4-Dioxane	ND	0.020	mg/L
1,2,3-trichloropropane	ND	0.0005	mg/L
2,2-Dichloropropane	ND	0.0005	mg/L
2-Butanone	ND	0.002	mg/L
2-Chlorotoluene	ND	0.0005	mg/L
2-Hexanone	ND	0.001	mg/L

Surrogate: 4-Bromofluorobenzene	0.0477		mg/L	0.0500	95.4	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

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
12/18/24 13:14

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4121202 - Volatiles (Continued)

Blank (4121202-BLK1) (Continued)

Prepared: 12/12/24 Analyzed: 12/15/24

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	0.0499		mg/L	0.0500		99.8	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	0.007	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	0.0510		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							

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Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
12/18/24 13:14

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4121202 - Volatiles (Continued)

LCS (4121202-BS1)

Prepared: 12/12/24 Analyzed: 12/15/24

1,1,1,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		102	82.4-120			
1,1,1-Trichloroethane	0.022	0.0005	mg/L	0.0200		109	80.7-121			
1,1,2,2-Tetrachloroethane	0.014	0.0005	mg/L	0.0200		71.0	76.5-121			BS2
1,1,2-Trichloroethane	0.018	0.0005	mg/L	0.0200		88.6	81.7-118			
1,1-Dichloroethane	0.021	0.0005	mg/L	0.0200		107	74.8-123			
1,1-Dichloroethene	0.022	0.0005	mg/L	0.0200		110	53.9-149			
1,1-Dichloropropene	0.020	0.0005	mg/L	0.0200		102	85.9-115			
1,2,3-Trichlorobenzene	0.024	0.0005	mg/L	0.0200		118	76.1-134			
1,2,4-Trichlorobenzene	0.023	0.0005	mg/L	0.0200		113	72.4-136			
1,2,4-Trimethylbenzene	0.022	0.0005	mg/L	0.0200		109	67.4-138			
1,2-Dibromo-3-chloropropane	0.013	0.0005	mg/L	0.0200		67.0	71.7-124			BS2
1,2-Dibromoethane	0.019	0.0005	mg/L	0.0200		92.6	84.9-116			
1,2-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		104	82.5-119			
1,2-Dichloroethane	0.022	0.0005	mg/L	0.0200		110	72.5-123			
1,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		95.0	79.4-117			
1,3,5-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		104	69-137			
1,3-Dichlorobenzene	0.022	0.0005	mg/L	0.0200		109	84.4-120			
1,3-Dichloropropane	0.018	0.0005	mg/L	0.0200		88.7	82.6-117			
1,4-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		104	81.7-118			
1,4-Dioxane	1.09	0.020	mg/L	2.00		54.4	-34.6-193			
1,2,3-trichloropropane	0.015	0.0005	mg/L	0.0200		73.2	44.7-168			
2,2-Dichloropropane	0.022	0.0005	mg/L	0.0200		112	62.9-136			
2-Butanone	0.042	0.002	mg/L	0.0400		104	24.1-159			
2-Chlorotoluene	0.019	0.0005	mg/L	0.0200		96.6	80.2-121			
2-Hexanone	0.024	0.001	mg/L	0.0400		59.2	56.3-139			
Surrogate: 4-Bromofluorobenzene	0.0484		mg/L	0.0500		96.8	76.4-114			
4-Chlorotoluene	0.019	0.0005	mg/L	0.0200		97.2	82.2-125			
4-Methyl-2-pentanone	0.028	0.001	mg/L	0.0400		70.2	60.7-139			
Acetone	0.071	0.010	mg/L	0.0400		178	39.1-168			BS1
Acrolein	0.248	0.005	mg/L	0.200		124	26.6-161			
Acrylonitrile	0.042	0.002	mg/L	0.0400		106	64.9-135			
Benzene	0.020	0.0005	mg/L	0.0200		101	69.4-129			
Bromobenzene	0.021	0.0005	mg/L	0.0200		104	83.5-115			
Bromochloromethane	0.020	0.0005	mg/L	0.0200		99.0	70.7-123			
Bromodichloromethane	0.022	0.0005	mg/L	0.0200		110	80.3-119			
Bromoform	0.019	0.0005	mg/L	0.0200		95.2	71.1-141			
Bromomethane	0.022	0.0005	mg/L	0.0200		111	55.1-143			
Carbon disulfide	0.054	0.001	mg/L	0.0400		135	53.6-147			
Carbon tetrachloride	0.023	0.0005	mg/L	0.0200		114	79.5-125			

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Veronica J. Wells

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
12/18/24 13:14

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4121202 - Volatiles (Continued)

LCS (4121202-BS1) (Continued)

Prepared: 12/12/24 Analyzed: 12/15/24

Chlorobenzene	0.020	0.0005	mg/L	0.0200		100	85.1-115			
Chloroethane	0.021	0.0005	mg/L	0.0200		104	36.9-159			
Chloroform	0.020	0.0005	mg/L	0.0200		102	80.9-119			
Chloromethane	0.019	0.0005	mg/L	0.0200		93.4	54.2-142			
cis-1,2-Dichloroethene	0.022	0.0005	mg/L	0.0200		109	73.8-128			
cis-1,3-Dichloropropene	0.020	0.0005	mg/L	0.0200		102	82.5-122			
Dibromochloromethane	0.020	0.0005	mg/L	0.0200		101	83.1-124			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0537</i>		mg/L	<i>0.0500</i>		<i>107</i>	<i>82.4-141</i>			
Dibromomethane	0.020	0.0005	mg/L	0.0200		98.6	77-118			
Dichlorodifluoromethane	0.022	0.0005	mg/L	0.0200		110	38.7-147			
Ethylbenzene	0.019	0.0005	mg/L	0.0200		97.4	70.2-130			
Hexachlorobutadiene	0.024	0.0005	mg/L	0.0200		121	78.9-148			
Iodomethane	0.045	0.001	mg/L	0.0400		112	63.5-135			
Isopropylbenzene	0.021	0.0005	mg/L	0.0200		104	85-124			
m+p - Xylene	0.041	0.001	mg/L	0.0400		102	71.9-133			
Methyl tert-butyl ether	0.041	0.001	mg/L	0.0400		101	57.7-137			
Methylene chloride	0.025	0.0005	mg/L	0.0200		126	49.3-163			
Naphthalene	0.017	0.0005	mg/L	0.0200		86.8	62.1-141			
n-Butylbenzene	0.025	0.0005	mg/L	0.0200		123	75.4-132			
n-Propylbenzene	0.020	0.0005	mg/L	0.0200		102	79.6-124			
o-Xylene	0.020	0.0005	mg/L	0.0200		102	69.4-132			
p-Isopropyltoluene	0.022	0.0005	mg/L	0.0200		110	79.8-131			
sec-Butylbenzene	0.022	0.0005	mg/L	0.0200		108	77.6-133			
Styrene	0.020	0.0005	mg/L	0.0200		97.5	71.7-128			
tert-Butylbenzene	0.020	0.0005	mg/L	0.0200		98.8	78.8-128			
Tetrachloroethene	0.021	0.0005	mg/L	0.0200		105	74.2-128			
Toluene	0.019	0.0005	mg/L	0.0200		96.6	68.1-127			
<i>Surrogate: Toluene-d8</i>	<i>0.0508</i>		mg/L	<i>0.0500</i>		<i>102</i>	<i>87.1-110</i>			
Total Xylenes	0.061	0.001	mg/L	0.0600		102	71.6-132			
trans-1,2-Dichloroethene	0.022	0.0005	mg/L	0.0200		108	65.2-133			
trans-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		103	84-123			
trans-1,4-Dichloro-2-butene	0.044	0.010	mg/L	0.0400		110	9.3-235			
Trichloroethene	0.020	0.0005	mg/L	0.0200		101	79.3-114			
Trichlorofluoromethane	0.024	0.0005	mg/L	0.0200		119	28.6-162			
Vinyl acetate	0.019	0.0005	mg/L	0.0200		93.8	50.9-135			
Vinyl chloride	0.021	0.0005	mg/L	0.0200		107	61.6-133			

LCS Dup (4121202-BSD1)

Prepared: 12/12/24 Analyzed: 12/15/24

1,1,1,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		101	82.4-120	1.23	6.88	
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Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
12/18/24 13:14

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4121202 - Volatiles (Continued)

LCS Dup (4121202-BSD1) (Continued)

Prepared: 12/12/24 Analyzed: 12/15/24

1,1,1-Trichloroethane	0.021	0.0005	mg/L	0.0200		107	80.7-121	1.62	7.43	
1,1,2,2-Tetrachloroethane	0.018	0.0005	mg/L	0.0200		88.7	76.5-121	22.2	8.68	QR-04
1,1,2-Trichloroethane	0.019	0.0005	mg/L	0.0200		96.9	81.7-118	8.90	6.82	QR-04
1,1-Dichloroethane	0.021	0.0005	mg/L	0.0200		105	74.8-123	2.32	4.3	
1,1-Dichloroethene	0.022	0.0005	mg/L	0.0200		110	53.9-149	0.00	16.5	
1,1-Dichloropropene	0.020	0.0005	mg/L	0.0200		98.5	85.9-115	3.59	5.47	
1,2,3-Trichlorobenzene	0.023	0.0005	mg/L	0.0200		116	76.1-134	1.54	43	
1,2,4-Trichlorobenzene	0.023	0.0005	mg/L	0.0200		115	72.4-136	1.75	22.3	
1,2,4-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		104	67.4-138	4.37	8.94	
1,2-Dibromo-3-chloropropane	0.020	0.0005	mg/L	0.0200		98.4	71.7-124	37.9	15.1	QR-04
1,2-Dibromoethane	0.021	0.0005	mg/L	0.0200		103	84.9-116	10.9	5.83	QR-04
1,2-Dichlorobenzene	0.019	0.0005	mg/L	0.0200		95.8	82.5-119	8.45	8.72	
1,2-Dichloroethane	0.024	0.0005	mg/L	0.0200		118	72.5-123	6.84	8.94	
1,2-Dichloropropane	0.020	0.0005	mg/L	0.0200		102	79.4-117	7.10	5.51	QR-04
1,3,5-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		104	69-137	0.433	16.5	
1,3-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		106	84.4-120	2.73	9	
1,3-Dichloropropane	0.019	0.0005	mg/L	0.0200		92.6	82.6-117	4.36	6.06	
1,4-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		104	81.7-118	0.385	7.71	
1,4-Dioxane	0.990	0.020	mg/L	2.00		49.5	-34.6-193	9.49	35.2	
1,2,3-trichloropropane	0.020	0.0005	mg/L	0.0200		97.6	44.7-168	28.6	49.2	
2,2-Dichloropropane	0.023	0.0005	mg/L	0.0200		114	62.9-136	2.43	9.62	
2-Butanone	0.044	0.002	mg/L	0.0400		109	24.1-159	4.54	14.2	
2-Chlorotoluene	0.019	0.0005	mg/L	0.0200		94.6	80.2-121	2.09	8.62	
2-Hexanone	0.036	0.001	mg/L	0.0400		89.5	56.3-139	40.8	7.28	QR-04
Surrogate: 4-Bromofluorobenzene	0.0488		mg/L	0.0500		97.7	76.4-114			
4-Chlorotoluene	0.019	0.0005	mg/L	0.0200		97.2	82.2-125	0.103	15.5	
4-Methyl-2-pentanone	0.037	0.001	mg/L	0.0400		93.2	60.7-139	28.2	7.57	QR-04
Acetone	0.061	0.010	mg/L	0.0400		152	39.1-168	16.2	30.5	
Acrolein	0.258	0.005	mg/L	0.200		129	26.6-161	3.97	22.4	
Acrylonitrile	0.048	0.002	mg/L	0.0400		120	64.9-135	12.4	7.62	QR-04
Benzene	0.020	0.0005	mg/L	0.0200		97.8	69.4-129	3.07	4.16	
Bromobenzene	0.022	0.0005	mg/L	0.0200		109	83.5-115	4.36	8.41	
Bromochloromethane	0.019	0.0005	mg/L	0.0200		96.6	70.7-123	2.50	5.16	
Bromodichloromethane	0.020	0.0005	mg/L	0.0200		102	80.3-119	7.29	5.36	QR-04
Bromoform	0.021	0.0005	mg/L	0.0200		105	71.1-141	10.2	14.1	
Bromomethane	0.021	0.0005	mg/L	0.0200		104	55.1-143	6.63	21.5	
Carbon disulfide	0.052	0.001	mg/L	0.0400		130	53.6-147	3.87	20.3	
Carbon tetrachloride	0.021	0.0005	mg/L	0.0200		107	79.5-125	6.22	11.4	
Chlorobenzene	0.020	0.0005	mg/L	0.0200		97.5	85.1-115	2.73	5.18	

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Veronica J. Wells

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
12/18/24 13:14

**VOLATILES BY GC/MS - Quality Control
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4121202 - Volatiles (Continued)

LCS Dup (4121202-BSD1) (Continued)

Prepared: 12/12/24 Analyzed: 12/15/24

Chloroethane	0.020	0.0005	mg/L	0.0200		101	36.9-159	3.12	24.1	
Chloroform	0.021	0.0005	mg/L	0.0200		105	80.9-119	2.17	5.15	
Chloromethane	0.017	0.0005	mg/L	0.0200		84.3	54.2-142	10.3	27	
cis-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		106	73.8-128	2.61	5.73	
cis-1,3-Dichloropropene	0.020	0.0005	mg/L	0.0200		101	82.5-122	0.590	6.09	
Dibromochloromethane	0.021	0.0005	mg/L	0.0200		104	83.1-124	2.39	7.24	
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0513</i>		mg/L	<i>0.0500</i>		<i>103</i>	<i>82.4-141</i>			
Dibromomethane	0.021	0.0005	mg/L	0.0200		103	77-118	4.46	5.75	
Dichlorodifluoromethane	0.021	0.0005	mg/L	0.0200		106	38.7-147	4.30	22.6	
Ethylbenzene	0.019	0.0005	mg/L	0.0200		94.1	70.2-130	3.50	4.83	
Hexachlorobutadiene	0.024	0.0005	mg/L	0.0200		120	78.9-148	1.08	18.4	
Iodomethane	0.042	0.001	mg/L	0.0400		106	63.5-135	5.28	24.3	
Isopropylbenzene	0.021	0.0005	mg/L	0.0200		104	85-124	0.336	6.25	
m+p - Xylene	0.039	0.001	mg/L	0.0400		98.4	71.9-133	3.96	5.77	
Methyl tert-butyl ether	0.042	0.001	mg/L	0.0400		105	57.7-137	3.37	12.8	
Methylene chloride	0.023	0.0005	mg/L	0.0200		113	49.3-163	10.8	19.7	
Naphthalene	0.021	0.0005	mg/L	0.0200		107	62.1-141	20.9	33.5	
n-Butylbenzene	0.023	0.0005	mg/L	0.0200		113	75.4-132	8.04	10.1	
n-Propylbenzene	0.021	0.0005	mg/L	0.0200		104	79.6-124	1.26	9.09	
o-Xylene	0.020	0.0005	mg/L	0.0200		99.3	69.4-132	3.12	6.29	
p-Isopropyltoluene	0.021	0.0005	mg/L	0.0200		107	79.8-131	3.45	9.26	
sec-Butylbenzene	0.021	0.0005	mg/L	0.0200		103	77.6-133	4.31	9.85	
Styrene	0.018	0.0005	mg/L	0.0200		92.0	71.7-128	5.80	7.55	
tert-Butylbenzene	0.020	0.0005	mg/L	0.0200		98.9	78.8-128	0.0506	18.6	
Tetrachloroethene	0.021	0.0005	mg/L	0.0200		107	74.2-128	2.74	6.38	
Toluene	0.019	0.0005	mg/L	0.0200		97.4	68.1-127	0.928	5.67	
<i>Surrogate: Toluene-d8</i>	<i>0.0483</i>		mg/L	<i>0.0500</i>		<i>96.6</i>	<i>87.1-110</i>			
Total Xylenes	0.059	0.001	mg/L	0.0600		98.7	71.6-132	3.68	5.83	
trans-1,2-Dichloroethene	0.020	0.0005	mg/L	0.0200		101	65.2-133	6.69	19.1	
trans-1,3-Dichloropropene	0.020	0.0005	mg/L	0.0200		97.5	84-123	5.53	6.26	
trans-1,4-Dichloro-2-butene	0.052	0.010	mg/L	0.0400		130	9.3-235	16.2	92.8	
Trichloroethene	0.021	0.0005	mg/L	0.0200		103	79.3-114	1.32	4.92	
Trichlorofluoromethane	0.023	0.0005	mg/L	0.0200		113	28.6-162	4.75	19.8	
Vinyl acetate	0.021	0.0005	mg/L	0.0200		105	50.9-135	11.4	7.84	QR-04
Vinyl chloride	0.020	0.0005	mg/L	0.0200		102	61.6-133	5.65	23	

Green Analytical Laboratories

Veronica J. Wells

Veronica Wells, Project Manager

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Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
12/18/24 13:14

Notes and Definitions

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

BS2 Blank spike recovery below laboratory acceptance criteria. Results for analyte potentially biased low.

BS1 Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis
 *Results reported on as received basis unless designated as dry.

RPD Relative Percent Difference

LCS Laboratory Control Sample (Blank Spike)

RL Report Limit

MDL Method Detection Limit

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: GCU #153E
Project Manager: Kyle Siesser

Reported:
12/18/24 13:14

Qualifier Summary

LabNumber	Analysis	Analyte	Qualifier	TextBody
4121202-BS1	Volatile 8260	1,1,2,2-Tetrachloroethane	BS2	Blank spike recovery below laboratory acceptance criteria. Results for analyte potentially biased low.
4121202-BS1	Volatile 8260	1,2-Dibromo-3-chloropropane	BS2	Blank spike recovery below laboratory acceptance criteria. Results for analyte potentially biased low.
4121202-BS1	Volatile 8260	Acetone	BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
4121202-BSD1	Volatile 8260	1,1,2,2-Tetrachloroethane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121202-BSD1	Volatile 8260	1,1,2-Trichloroethane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121202-BSD1	Volatile 8260	1,2-Dibromo-3-chloropropane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121202-BSD1	Volatile 8260	1,2-Dibromoethane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121202-BSD1	Volatile 8260	1,2-Dichloropropane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121202-BSD1	Volatile 8260	2-Hexanone	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121202-BSD1	Volatile 8260	4-Methyl-2-pentanone	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121202-BSD1	Volatile 8260	Acrylonitrile	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121202-BSD1	Volatile 8260	Bromodichloromethane	QR-04	The RPD for the BS/BSD was outside of historical limits.
4121202-BSD1	Volatile 8260	Vinyl acetate	QR-04	The RPD for the BS/BSD was outside of historical limits.

Green Analytical Laboratories

Veronica Wells, Project Manager

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

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

Note: Write-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 #153E

Sampler Name (Print):

Dylan Senger / Kelsey O'Brien

Lab I.D.

2412-103
Lab Use Only

Sample Name or Location

Lab I.D.		Sample Name or Location	Collected		Matrix (check one)							# of containers				EPA Method			
Lab Use Only			Date	Time	GROUNDWATER	SURFACE WATER	WASTEWATER	PRODUCED WATER	DRINKING WATER	SOIL	OTHER:	No preservation	Nitric Acid	Hydrochloric Acid	Sulfuric Acid		Sodium Hydroxide	OTHER:	
2412-107	61	1) MW #3R	12/10/24	1440	✓									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 analysis. 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 consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 12/10/24	Received By:	Date: 12/10/24	ADDITIONAL REMARKS:			
	Time: 1650		Time: 16:55				
Relinquished By:	Date:	Received By:	Date:				
	Time:		Time:	Temperature at receipt: 10.3 °C			
Relinquished By:	Date:	Received By:	Date:				
	Time:		Time:				
Relinquished By:	Date:	Received By:	Date:	Checked by: COY	On Ice? ☒ N	Therm. used: ☒	
	Time:		Time:				

† 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.



Table of Contents

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

SAMPLE CONDITION RECEIPT FORM

Client Name: Estimote ConsultingWork Order # 2412-102Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: _____Thermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 10.3 °C Correction Factor: 0 °C Final Temp: 10.3 °C

*Temp should be above freezing 6°C

Compliance: ☐ Yes ☒ No

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

Client Notification/Resolution:

Person Contacted: KyleDate/Time: 12-11-24 0933Comments/Resolution: 1/5 we mailed regarding the air bubbles in each vial

COTTONWOOD CONSULTING LLC

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : SIMCOE LLC

GCU #153E
Unit C Sec 28 T29N R12W

LABORATORY (S) USED :

GA

Date :

6/12/24

DEVELOPER / SAMPLER :

KOIDS

WELL #	WELL ELEV. (ft)	WATER ELEV. (ft)	DEPTH TO WATER (ft)	TOTAL DEPTH (ft)	SAMPLING TIME	pH	CONDUCT (umhos)	TEMP. (celcius)	VOLUME PURGED (gal.)
2A	100.40	5.20	10.63	15.83	-	-	-	-	-
3R	100.80	8.70	11.30	20.00	1410	7.73	8300	26.9	4.26
7A	99.72	5.80	10.51	16.31	-	-	-	-	-

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

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".

Sample MW #3R

Top of casing MW #2A ~ 1.50 ft. , MW #3R ~ 2.50 ft. , MW #7A ~ 2.00 ft

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

COTTONWOOD CONSULTING LLC

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : SIMCOE LLC

GCU #153E
Unit C Sec 28 T29N R12W

LABORATORY (S) USED :

6AL

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.)
2A	100.40	5.42	10.41	15.83	-	-	-	-	-
3R	100.80	8.90	11.10	20.00	1330	7.96	8050	17.7	4.5
7A	99.72	6.02	10.29	16.31	-	-	-	-	-

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

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".

Sample MW #3R

Top of casing MW #2A ~ 1.50 ft. , MW #3R ~ 2.50 ft. , MW #7A ~ 2.00 ft

on-site	<u>1245</u>	temp	<u>55°F</u>
off-site	<u>1330</u>	temp	<u>55°F</u>
sky cond.	<u>clear</u>		
wind speed	<u>0-5 mph</u>	direct.	<u>SW</u>

COTTONWOOD CONSULTING LLC

MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : SIMCOE LLC

GCU #153E
 Unit C Sec 28 T29N R12W

LABORATORY (S) USED :

GAL

Date :

12/10/24

DEVELOPER / SAMPLER :

DS/VO

WELL #	WELL ELEV. (ft)	WATER ELEV. (ft)	DEPTH TO WATER (ft)	TOTAL DEPTH (ft)	SAMPLING TIME	pH	CONDUCT (umhos)	TEMP. (celcius)	VOLUME PURGED (gal.)
2A	100.40		10.02	15.83	-	-	-	-	-
3R	100.80		10.68	20.00	1440	8.37	11.50	10.4	
7A	99.72		9.95	16.31	-	-	-	-	-

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

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Sample MW #3R

Top of casing MW #2A ~ 1.50 ft. , MW #3R ~ 2.50 ft. , MW #7A ~ 2.00 ft

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/oecd/contact-us>

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

CONDITIONS

Action 415771

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 415771
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	GCU #153E Groundwater Monitoring Lab Results and field forms for MW-3R have been received. Sampling event took place in June 2024. App ID: 415771	1/13/2025