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01 December 2021

Jake Harter
Cottonwood Consulting
PO Box 1653
Durango, CO 81302
RE: COGCC Table 915-1 GW

Enclosed are the results of analyses for samples received by the laboratory on 11/19/21 16:40.
If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt
Reports Manager

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

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.
TNI Certificate Number: T104704514-21-12.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: T104704398-21-14



Cottonwood Consulting PO Box 1653 Durango CO, 81302	Project: COGCC Table 915-1 GW Project Name / Number: Underwood Ditch Well Plugging Project Project Manager: Jake Harter	Reported: 12/01/21 16:59
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Rempel Water Well	2111275-01	Water	11/19/21 13:15	11/19/21 16:40	

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Debbie Zufelt, Reports Manager

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Cottonwood Consulting PO Box 1653 Durango CO, 81302	Project: COGCC Table 915-1 GW Project Name / Number: Underwood Ditch Well Plugging Project Project Manager: Jake Harter	Reported: 12/01/21 16:59
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Rempel Water Well

2111275-01 (Ground Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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Microbiology

Total Coliform	Present			No Unit	1	11/19/21 17:00	SM9223B Colilert		LLG
E. Coli	Absent			No Unit	1	11/19/21 17:00	SM9223B Colilert		LLG

General Chemistry

Chloride*	1.64	1.00	0.0422	mg/L	1	11/30/21 11:13	EPA300.0		JDA
Total Dissolved Solids*	195	10.0		mg/L	1	11/23/21 11:00	EPA160.1		VJW
Sulfate*	47.4	1.00	0.152	mg/L	1	11/30/21 11:13	EPA300.0		JDA

Subcontracted -- **Cardinal Laboratories**

VOLATILES BY GC/MS

Benzene*	<0.0005	0.0005	0.00009	mg/L	1	11/24/21 15:29	8260B		MS
Toluene*	<0.0005	0.0005	0.00007	mg/L	1	11/24/21 15:29	8260B		MS
Ethylbenzene*	<0.0005	0.0005	0.00009	mg/L	1	11/24/21 15:29	8260B		MS
m+p - Xylene*	<0.001	0.001	0.0005	mg/L	1	11/24/21 15:29	8260B		MS
o-Xylene*	<0.0005	0.0005	0.00007	mg/L	1	11/24/21 15:29	8260B		MS
Total Xylenes*	<0.001	0.001	0.0005	mg/L	1	11/24/21 15:29	8260B		MS
1,3,5-Trimethylbenzene*	<0.0005	0.0005	0.00003	mg/L	1	11/24/21 15:29	8260B		MS
1,2,4-Trimethylbenzene*	<0.0005	0.0005	0.00003	mg/L	1	11/24/21 15:29	8260B		MS
Naphthalene*	<0.0005	0.0005	0.00004	mg/L	1	11/24/21 15:29	8260B		MS

Surrogate: Dibromofluoromethane		101 %	82.4-141			11/24/21 15:29	8260B		MS
Surrogate: Toluene-d8		102 %	87.1-110			11/24/21 15:29	8260B		MS
Surrogate: 4-Bromofluorobenzene		93.2 %	76.4-114			11/24/21 15:29	8260B		MS

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General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B212885 - General Prep - Wet Chem

Blank (B212885-BLK1)		Prepared & Analyzed: 11/23/21								
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (B212885-DUP1)		Source: 2111225-01 Prepared & Analyzed: 11/23/21								
Total Dissolved Solids	5960	40.0	mg/L	5960				0.00	20	
Reference (B212885-SRM1)		Prepared & Analyzed: 11/23/21								
Total Dissolved Solids	370	10.0	mg/L	400		92.5	85-115			

Batch B212915 - IC- Ion Chromatograph

Blank (B212915-BLK1)		Prepared & Analyzed: 11/29/21								
Chloride	ND	1.00	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B212915-BS1)		Prepared & Analyzed: 11/29/21								
Chloride	24.5	1.00	mg/L	25.0		98.1	90-110			
Sulfate	24.7	1.00	mg/L	25.0		99.0	90-110			
LCS Dup (B212915-BSD1)		Prepared & Analyzed: 11/29/21								
Chloride	24.4	1.00	mg/L	25.0		97.7	90-110	0.490	20	
Sulfate	24.3	1.00	mg/L	25.0		97.3	90-110	1.68	20	

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Cottonwood Consulting	Project: COGCC Table 915-1 GW	
PO Box 1653	Project Name / Number: Underwood Ditch Well Plugging Project	Reported:
Durango CO, 81302	Project Manager: Jake Harter	12/01/21 16:59

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 1112405 - Volatiles

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Cottonwood Consulting	Project: COGCC Table 915-1 GW	
PO Box 1653	Project Name / Number: Underwood Ditch Well Plugging Project	Reported:
Durango CO, 81302	Project Manager: Jake Harter	12/01/21 16:59

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 1112405 - Volatiles (Continued)

Blank (1112405-BLK1)

Prepared & Analyzed: 11/24/21

1,1,1,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,1-Trichloroethane	ND	0.0005	mg/L							
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,2-Trichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethene	ND	0.0005	mg/L							
1,1-Dichloropropene	ND	0.0005	mg/L							
1,2,3-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trimethylbenzene	ND	0.0005	mg/L							
1,2-Dibromo-3-chloropropane	ND	0.0005	mg/L							
1,2-Dibromoethane	ND	0.0005	mg/L							
1,2-Dichlorobenzene	ND	0.0005	mg/L							
1,2-Dichloroethane	ND	0.0005	mg/L							
1,2-Dichloropropane	ND	0.0005	mg/L							
1,3,5-Trimethylbenzene	ND	0.0005	mg/L							
1,3-Dichlorobenzene	ND	0.0005	mg/L							
1,3-Dichloropropane	ND	0.0005	mg/L							
1,4 Dichlorobenzene	ND	0.0005	mg/L							
1,4-Dioxane	ND	0.100	mg/L							
1,2,3-trichloropropane	ND	0.0005	mg/L							
2,2-Dichloropropane	ND	0.0005	mg/L							
2-Butanone	ND	0.002	mg/L							
2-Chlorotoluene	ND	0.0005	mg/L							
2-Hexanone	ND	0.001	mg/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0237</i>		mg/L	<i>0.0250</i>		<i>95.0</i>	<i>76.4-114</i>			
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							
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							

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Durango CO, 81302	Project Manager: Jake Harter	12/01/21 16:59

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 1112405 - Volatiles (Continued)

Blank (1112405-BLK1) (Continued)

Prepared & Analyzed: 11/24/21

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>	0.0252		mg/L	0.0250		101	82.4-141			
Dibromomethane	ND	0.0005	mg/L							
Dichlorodifluoromethane	ND	0.0005	mg/L							
Ethylbenzene	ND	0.0005	mg/L							
Hexachlorobutadiene	ND	0.0005	mg/L							
Iodomethane	ND	0.001	mg/L							
Isopropylbenzene	ND	0.0005	mg/L							
m+p - Xylene	ND	0.001	mg/L							
Methyl t-Butyl Ether	ND	0.001	mg/L							
Methylene chloride	ND	0.0005	mg/L							
Naphthalene	ND	0.0005	mg/L							
n-Butylbenzene	ND	0.0005	mg/L							
n-Propylbenzene	ND	0.0005	mg/L							
o-Xylene	ND	0.0005	mg/L							
p-Isopropyltoluene	ND	0.0005	mg/L							
sec-Butylbenzene	ND	0.0005	mg/L							
Styrene	ND	0.0005	mg/L							
tert-Butylbenzene	ND	0.0005	mg/L							
Tetrachloroethene	ND	0.0005	mg/L							
Toluene	ND	0.0005	mg/L							
<i>Surrogate: Toluene-d8</i>	0.0249		mg/L	0.0250		99.6	87.1-110			
Total Xylenes	ND	0.001	mg/L							
trans-1,2-Dichloroethene	ND	0.0005	mg/L							
trans-1,3-Dichloropropene	ND	0.0005	mg/L							
trans-1,4-Dichloro-2-butene	ND	0.010	mg/L							
Trichloroethene	ND	0.0005	mg/L							
Trichlorofluoromethane	ND	0.0005	mg/L							
Vinyl acetate	ND	0.0005	mg/L							
Vinyl chloride	ND	0.0005	mg/L							

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Cottonwood Consulting	Project: COGCC Table 915-1 GW	
PO Box 1653	Project Name / Number: Underwood Ditch Well Plugging Project	Reported:
Durango CO, 81302	Project Manager: Jake Harter	12/01/21 16:59

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 1112405 - Volatiles (Continued)

LCS (1112405-BS1)

Prepared & Analyzed: 11/24/21

1,1,1,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		105	77.2-132			
1,1,1-Trichloroethane	0.020	0.0005	mg/L	0.0200		101	84.9-121			
1,1,2,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		100	83-118			
1,1,2-Trichloroethane	0.020	0.0005	mg/L	0.0200		101	85.8-121			
1,1-Dichloroethane	0.020	0.0005	mg/L	0.0200		99.8	82.3-134			
1,1-Dichloroethene	0.020	0.0005	mg/L	0.0200		101	69.4-135			
1,1-Dichloropropene	0.020	0.0005	mg/L	0.0200		102	79-126			
1,2,3-Trichlorobenzene	0.020	0.0005	mg/L	0.0200		101	66-144			
1,2,4-Trichlorobenzene	0.021	0.0005	mg/L	0.0200		107	66-139			
1,2,4-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		107	85.2-120			
1,2-Dibromo-3-chloropropane	0.022	0.0005	mg/L	0.0200		110	85.9-113			
1,2-Dibromoethane	0.022	0.0005	mg/L	0.0200		109	84.9-118			
1,2-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		107	85.1-112			
1,2-Dichloroethane	0.020	0.0005	mg/L	0.0200		98.8	80.8-125			
1,2-Dichloropropane	0.020	0.0005	mg/L	0.0200		101	83.2-124			
1,3,5-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		106	84.3-120			
1,3-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		103	84.9-110			
1,3-Dichloropropane	0.021	0.0005	mg/L	0.0200		107	88.8-117			
1,4 Dichlorobenzene	0.020	0.0005	mg/L	0.0200		102	80.9-112			
1,4-Dioxane	0.448	0.100	mg/L	0.400		112	-99.5-195			
1,2,3-trichloropropane	0.021	0.0005	mg/L	0.0200		106	6.02-213			
2,2-Dichloropropane	0.020	0.0005	mg/L	0.0200		102	59.7-146			
2-Butanone	0.058	0.002	mg/L	0.0400		145	69.2-152			
2-Chlorotoluene	0.021	0.0005	mg/L	0.0200		104	84.7-117			
2-Hexanone	0.038	0.001	mg/L	0.0400		95.9	66-142			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0264</i>		mg/L	<i>0.0250</i>		<i>105</i>	<i>76.4-114</i>			
4-Chlorotoluene	0.022	0.0005	mg/L	0.0200		108	81.8-122			
4-Methyl-2-pentanone	0.043	0.001	mg/L	0.0400		108	75.9-139			
Acetone	0.041	0.010	mg/L	0.0400		101	47.7-194			
Acrolein	0.169	0.005	mg/L	0.200		84.4	46.2-182			
Acrylonitrile	0.044	0.002	mg/L	0.0400		110	69.5-152			
Benzene	0.020	0.0005	mg/L	0.0200		100	85.9-114			
Bromobenzene	0.020	0.0005	mg/L	0.0200		101	85.7-113			
Bromochloromethane	0.020	0.0005	mg/L	0.0200		99.8	74.2-140			
Bromodichloromethane	0.021	0.0005	mg/L	0.0200		104	82-126			
Bromoform	0.027	0.0005	mg/L	0.0200		135	80.3-140			
Bromomethane	0.019	0.0005	mg/L	0.0200		97.2	69.3-136			
Carbon disulfide	0.043	0.001	mg/L	0.0400		107	74.2-141			
Carbon tetrachloride	0.021	0.0005	mg/L	0.0200		104	85.8-125			
Chlorobenzene	0.021	0.0005	mg/L	0.0200		103	88.8-112			

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Durango CO, 81302	Project Manager: Jake Harter	12/01/21 16:59

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 1112405 - Volatiles (Continued)

LCS (1112405-BS1) (Continued)

Prepared & Analyzed: 11/24/21

Chloroethane	0.021	0.0005	mg/L	0.0200		104	73.8-135			
Chloroform	0.021	0.0005	mg/L	0.0200		103	88.1-124			
Chloromethane	0.020	0.0005	mg/L	0.0200		102	59.9-154			
cis-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		105	85.8-117			
cis-1,3-Dichloropropene	0.022	0.0005	mg/L	0.0200		110	84.6-125			
Dibromochloromethane	0.023	0.0005	mg/L	0.0200		114	88.2-121			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0250</i>		mg/L	<i>0.0250</i>		<i>100</i>	<i>82.4-141</i>			
Dibromomethane	0.021	0.0005	mg/L	0.0200		106	73.5-132			
Dichlorodifluoromethane	0.020	0.0005	mg/L	0.0200		100	63.3-132			
Ethylbenzene	0.021	0.0005	mg/L	0.0200		103	81.8-127			
Hexachlorobutadiene	0.022	0.0005	mg/L	0.0200		108	52.9-152			
Iodomethane	0.040	0.001	mg/L	0.0400		100	72.5-133			
Isopropylbenzene	0.022	0.0005	mg/L	0.0200		109	75.7-136			
m+p - Xylene	0.042	0.001	mg/L	0.0400		105	72.4-134			
Methyl t-Butyl Ether	0.043	0.001	mg/L	0.0400		109	75.3-137			
Methylene chloride	0.021	0.0005	mg/L	0.0200		104	74.8-131			
Naphthalene	0.020	0.0005	mg/L	0.0200		101	59.3-140			
n-Butylbenzene	0.021	0.0005	mg/L	0.0200		104	70.1-136			
n-Propylbenzene	0.021	0.0005	mg/L	0.0200		103	83-121			
o-Xylene	0.022	0.0005	mg/L	0.0200		108	76.2-135			
p-Isopropyltoluene	0.022	0.0005	mg/L	0.0200		111	81.8-124			
sec-Butylbenzene	0.022	0.0005	mg/L	0.0200		109	78.4-128			
Styrene	0.019	0.0005	mg/L	0.0200		97.0	75.7-128			
tert-Butylbenzene	0.021	0.0005	mg/L	0.0200		105	90.8-119			
Tetrachloroethene	0.020	0.0005	mg/L	0.0200		99.1	66.8-126			
Toluene	0.020	0.0005	mg/L	0.0200		98.1	78.8-121			
<i>Surrogate: Toluene-d8</i>	<i>0.0255</i>		mg/L	<i>0.0250</i>		<i>102</i>	<i>87.1-110</i>			
Total Xylenes	0.064	0.001	mg/L	0.0600		106	74.3-134			
trans-1,2-Dichloroethene	0.020	0.0005	mg/L	0.0200		101	80.4-125			
trans-1,3-Dichloropropene	0.023	0.0005	mg/L	0.0200		114	84-128			
trans-1,4-Dichloro-2-butene	0.063	0.010	mg/L	0.0400		157	18.7-238			
Trichloroethene	0.019	0.0005	mg/L	0.0200		97.4	73.1-117			
Trichlorofluoromethane	0.020	0.0005	mg/L	0.0200		101	71.9-138			
Vinyl acetate	0.022	0.0005	mg/L	0.0200		110	39.5-167			
Vinyl chloride	0.021	0.0005	mg/L	0.0200		104	73.4-137			

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Debbie Zufelt, Reports Manager

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Cottonwood Consulting	Project: COGCC Table 915-1 GW	
PO Box 1653	Project Name / Number: Underwood Ditch Well Plugging Project	Reported:
Durango CO, 81302	Project Manager: Jake Harter	12/01/21 16:59

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 1112405 - Volatiles (Continued)

LCS Dup (1112405-BSD1)

Prepared & Analyzed: 11/24/21

1,1,1,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		103	77.2-132	2.55	6.88	
1,1,1-Trichloroethane	0.020	0.0005	mg/L	0.0200		99.6	84.9-121	1.15	7.43	
1,1,2,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		102	83-118	2.03	8.68	
1,1,2-Trichloroethane	0.020	0.0005	mg/L	0.0200		100	85.8-121	1.34	6.82	
1,1-Dichloroethane	0.020	0.0005	mg/L	0.0200		98.4	82.3-134	1.36	4.3	
1,1-Dichloroethene	0.020	0.0005	mg/L	0.0200		101	69.4-135	0.296	16.5	
1,1-Dichloropropene	0.021	0.0005	mg/L	0.0200		103	79-126	1.46	5.47	
1,2,3-Trichlorobenzene	0.019	0.0005	mg/L	0.0200		95.4	66-144	5.75	43	
1,2,4-Trichlorobenzene	0.021	0.0005	mg/L	0.0200		103	66-139	3.76	22.3	
1,2,4-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		103	85.2-120	3.19	8.94	
1,2-Dibromo-3-chloropropane	0.022	0.0005	mg/L	0.0200		111	85.9-113	0.452	15.1	
1,2-Dibromoethane	0.022	0.0005	mg/L	0.0200		108	84.9-118	0.921	5.83	
1,2-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		105	85.1-112	1.99	8.72	
1,2-Dichloroethane	0.020	0.0005	mg/L	0.0200		98.4	80.8-125	0.406	8.94	
1,2-Dichloropropane	0.020	0.0005	mg/L	0.0200		102	83.2-124	1.23	5.51	
1,3,5-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		104	84.3-120	1.43	16.5	
1,3-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		100	84.9-110	2.37	9	
1,3-Dichloropropane	0.021	0.0005	mg/L	0.0200		104	88.8-117	1.99	6.06	
1,4 Dichlorobenzene	0.020	0.0005	mg/L	0.0200		101	80.9-112	1.03	7.71	
1,4-Dioxane	0.448	0.100	mg/L	0.400		112	-99.5-195	0.00669	35.2	
1,2,3-trichloropropane	0.021	0.0005	mg/L	0.0200		107	6.02-213	1.50	49.2	
2,2-Dichloropropane	0.020	0.0005	mg/L	0.0200		100	59.7-146	1.73	9.62	
2-Butanone	0.057	0.002	mg/L	0.0400		143	69.2-152	1.56	14.2	
2-Chlorotoluene	0.020	0.0005	mg/L	0.0200		102	84.7-117	2.19	8.62	
2-Hexanone	0.038	0.001	mg/L	0.0400		95.4	66-142	0.523	7.28	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0252</i>		mg/L	<i>0.0250</i>		<i>101</i>	<i>76.4-114</i>			
4-Chlorotoluene	0.022	0.0005	mg/L	0.0200		108	81.8-122	0.138	15.5	
4-Methyl-2-pentanone	0.043	0.001	mg/L	0.0400		107	75.9-139	0.349	7.57	
Acetone	0.040	0.010	mg/L	0.0400		101	47.7-194	0.743	30.5	
Acrolein	0.171	0.005	mg/L	0.200		85.4	46.2-182	1.21	22.4	
Acrylonitrile	0.042	0.002	mg/L	0.0400		106	69.5-152	3.55	7.62	
Benzene	0.020	0.0005	mg/L	0.0200		100	85.9-114	0.0995	4.16	
Bromobenzene	0.020	0.0005	mg/L	0.0200		101	85.7-113	0.0989	8.41	
Bromochloromethane	0.020	0.0005	mg/L	0.0200		98.8	74.2-140	0.906	5.16	
Bromodichloromethane	0.021	0.0005	mg/L	0.0200		105	82-126	1.05	5.36	
Bromoform	0.026	0.0005	mg/L	0.0200		132	80.3-140	2.06	14.1	
Bromomethane	0.020	0.0005	mg/L	0.0200		101	69.3-136	3.73	21.5	
Carbon disulfide	0.043	0.001	mg/L	0.0400		107	74.2-141	0.630	20.3	
Carbon tetrachloride	0.021	0.0005	mg/L	0.0200		105	85.8-125	1.15	11.4	
Chlorobenzene	0.020	0.0005	mg/L	0.0200		101	88.8-112	1.76	5.18	

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Cottonwood Consulting	Project: COGCC Table 915-1 GW	
PO Box 1653	Project Name / Number: Underwood Ditch Well Plugging Project	Reported:
Durango CO, 81302	Project Manager: Jake Harter	12/01/21 16:59

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 1112405 - Volatiles (Continued)

LCS Dup (1112405-BSD1) (Continued)

Prepared & Analyzed: 11/24/21

Chloroethane	0.021	0.0005	mg/L	0.0200		103	73.8-135	1.26	24.1	
Chloroform	0.020	0.0005	mg/L	0.0200		102	88.1-124	1.61	5.15	
Chloromethane	0.020	0.0005	mg/L	0.0200		99.7	59.9-154	2.72	27	
cis-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		104	85.8-117	1.06	5.73	
cis-1,3-Dichloropropene	0.022	0.0005	mg/L	0.0200		112	84.6-125	2.44	6.09	
Dibromochloromethane	0.023	0.0005	mg/L	0.0200		116	88.2-121	1.70	7.24	
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0249</i>		mg/L	<i>0.0250</i>		<i>99.5</i>	<i>82.4-141</i>			
Dibromomethane	0.021	0.0005	mg/L	0.0200		104	73.5-132	1.67	5.75	
Dichlorodifluoromethane	0.020	0.0005	mg/L	0.0200		100	63.3-132	0.250	22.6	
Ethylbenzene	0.021	0.0005	mg/L	0.0200		103	81.8-127	0.0972	4.83	
Hexachlorobutadiene	0.021	0.0005	mg/L	0.0200		103	52.9-152	4.50	18.4	
Iodomethane	0.040	0.001	mg/L	0.0400		101	72.5-133	0.745	24.3	
Isopropylbenzene	0.022	0.0005	mg/L	0.0200		108	75.7-136	1.29	6.25	
m+p - Xylene	0.041	0.001	mg/L	0.0400		103	72.4-134	2.04	5.77	
Methyl t-Butyl Ether	0.039	0.001	mg/L	0.0400		96.8	75.3-137	11.5	12.8	
Methylene chloride	0.021	0.0005	mg/L	0.0200		107	74.8-131	2.88	19.7	
Naphthalene	0.019	0.0005	mg/L	0.0200		94.2	59.3-140	6.96	33.5	
n-Butylbenzene	0.021	0.0005	mg/L	0.0200		104	70.1-136	0.00	10.1	
n-Propylbenzene	0.020	0.0005	mg/L	0.0200		102	83-121	0.928	9.09	
o-Xylene	0.021	0.0005	mg/L	0.0200		106	76.2-135	2.38	6.29	
p-Isopropyltoluene	0.021	0.0005	mg/L	0.0200		106	81.8-124	3.87	9.26	
sec-Butylbenzene	0.021	0.0005	mg/L	0.0200		106	78.4-128	2.09	9.85	
Styrene	0.019	0.0005	mg/L	0.0200		95.7	75.7-128	1.40	7.55	
tert-Butylbenzene	0.021	0.0005	mg/L	0.0200		104	90.8-119	0.621	18.6	
Tetrachloroethene	0.019	0.0005	mg/L	0.0200		96.9	66.8-126	2.30	6.38	
Toluene	0.019	0.0005	mg/L	0.0200		96.5	78.8-121	1.64	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	0.062	0.001	mg/L	0.0600		104	74.3-134	2.16	5.83	
trans-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		103	80.4-125	2.20	19.1	
trans-1,3-Dichloropropene	0.023	0.0005	mg/L	0.0200		114	84-128	0.263	6.26	
trans-1,4-Dichloro-2-butene	0.071	0.010	mg/L	0.0400		178	18.7-238	12.2	92.8	
Trichloroethene	0.019	0.0005	mg/L	0.0200		96.6	73.1-117	0.722	4.92	
Trichlorofluoromethane	0.020	0.0005	mg/L	0.0200		99.4	71.9-138	1.30	19.8	
Vinyl acetate	0.022	0.0005	mg/L	0.0200		111	39.5-167	0.904	7.84	
Vinyl chloride	0.021	0.0005	mg/L	0.0200		103	73.4-137	0.819	23	

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Cottonwood Consulting	Project: COGCC Table 915-1 GW	
PO Box 1653	Project Name / Number: Underwood Ditch Well Plugging Project	Reported:
Durango CO, 81302	Project Manager: Jake Harter	12/01/21 16:59

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

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