



75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
www.greenanalytical.com

11 December 2019

Jesse Wayne Barron
Freeman Creek
308 Ho Hum Dr
Bayfield, CO 81122
RE: Compliance Suite

Enclosed are the results of analyses for samples received by the laboratory on 11/12/19 11:30. The data to follow was performed, in whole or in part, by a subcontract laboratory with an additional report attached.

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

Sincerely,

A handwritten signature in black ink that reads 'Debbie Zufelt'. The script is cursive and fluid, with the first name 'Debbie' and last name 'Zufelt' clearly legible.

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.

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.



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

www.GreenAnalytical.com

Freeman Creek
308 Ho Hum Dr
Bayfield CO, 81122

Project: Compliance Suite
Project Name / Number: CO0234388
Project Manager: Jesse Wayne Barron

Reported:
12/11/19 15:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
005 Entry Point	1911118-01	Water	11/12/19 09:00	11/12/19 11:30	

Green Analytical Laboratories

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

Debbie Zufelt, Reports 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.

Freeman Creek
308 Ho Hum Dr
Bayfield CO, 81122Project: Compliance Suite
Project Name / Number: CO0234388
Project Manager: Jesse Wayne BarronReported:
12/11/19 15:31005 Entry Point
4th Qtr Compliance Testing
191118-01 (Drinking Water)

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

General Chemistry

Fluoride*	0.145	0.100	0.0255	mg/L	1	11/20/19 17:19	EPA300.0		AES
-----------	-------	-------	--------	------	---	----------------	----------	--	-----

Total Recoverable Metals by ICP (E200.7)

Sodium*	3.76	1.00	0.483	mg/L	1	11/14/19 16:04	EPA200.7		AES
---------	------	------	-------	------	---	----------------	----------	--	-----

Total Recoverable Metals by ICPMS (E200.8)

Antimony*	<0.0020	0.0020	0.0002	mg/L	1	11/14/19 14:08	EPA200.8		AES
Arsenic*	<0.0010	0.0010	0.0002	mg/L	1	11/14/19 14:08	EPA200.8		AES
Barium*	0.152	0.0005	0.0001	mg/L	1	11/14/19 14:08	EPA200.8		AES
Beryllium*	<0.0005	0.0005	0.00007	mg/L	1	11/14/19 14:08	EPA200.8		AES
Cadmium*	<0.0005	0.0005	0.00004	mg/L	1	11/14/19 14:08	EPA200.8		AES
Chromium*	0.0011	0.0010	0.0002	mg/L	1	11/14/19 14:08	EPA200.8		AES
Nickel*	0.0014	0.0010	0.00007	mg/L	1	11/14/19 14:08	EPA200.8		AES
Selenium*	<0.0010	0.0010	0.0006	mg/L	1	11/14/19 14:08	EPA200.8		AES
Thallium*	<0.0005	0.0005	0.0001	mg/L	1	11/14/19 14:08	EPA200.8		AES

Total Mercury by CVAA

Mercury*	<0.0005	0.0005	0.00003	mg/L	1	11/19/19 11:39	EPA245.1		LLG
----------	---------	--------	---------	------	---	----------------	----------	--	-----

Subcontracted -- Cardinal Laboratories

VOLATILES BY GC/MS

Vinyl chloride*	<0.500	0.500	0.128	ug/L	1	11/19/19 20:25	524.2		MS
1,1-Dichloroethene*	<0.500	0.500	0.185	ug/L	1	11/19/19 20:25	524.2		MS
Methylene chloride*	<0.500	0.500	0.0922	ug/L	1	11/19/19 20:25	524.2		MS
trans-1,2-Dichloroethene*	<0.500	0.500	0.246	ug/L	1	11/19/19 20:25	524.2		MS
cis-1,2-Dichloroethene*	<0.500	0.500	0.190	ug/L	1	11/19/19 20:25	524.2		MS
Chloroform*	0.740	0.500	0.142	ug/L	1	11/19/19 20:25	524.2		MS
Carbon tetrachloride*	<0.500	0.500	0.125	ug/L	1	11/19/19 20:25	524.2		MS
1,1,1-Trichloroethane*	<0.500	0.500	0.134	ug/L	1	11/19/19 20:25	524.2		MS
Benzene*	<0.500	0.500	0.147	ug/L	1	11/19/19 20:25	524.2		MS
1,2-Dichloroethane*	<0.500	0.500	0.247	ug/L	1	11/19/19 20:25	524.2		MS
Trichloroethene*	<0.500	0.500	0.155	ug/L	1	11/19/19 20:25	524.2		MS
Bromodichloromethane*	0.930	0.500	0.140	ug/L	1	11/19/19 20:25	524.2		MS
1,2-Dichloropropane*	<0.500	0.500	0.145	ug/L	1	11/19/19 20:25	524.2		MS
Toluene*	<0.500	0.500	0.118	ug/L	1	11/19/19 20:25	524.2		MS

Green Analytical Laboratories

Debbie Zufelt, Reports 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.



Freeman Creek
308 Ho Hum Dr
Bayfield CO, 81122

Project: Compliance Suite
Project Name / Number: CO0234388
Project Manager: Jesse Wayne Barron

Reported:
12/11/19 15:31

005 Entry Point
4th Qtr Compliance Testing
191118-01 (Drinking Water)

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

Subcontracted -- Cardinal Laboratories

VOLATILES BY GC/MS

Tetrachloroethene*	<0.500	0.500	0.280	ug/L	1	11/19/19 20:25	524.2		MS
1,1,2-Trichloroethane*	<0.500	0.500	0.116	ug/L	1	11/19/19 20:25	524.2		MS
Dibromochloromethane*	0.820	0.500	0.111	ug/L	1	11/19/19 20:25	524.2		MS
Chlorobenzene*	25.6	0.500	0.145	ug/L	1	11/19/19 20:25	524.2		MS
Ethylbenzene*	<0.500	0.500	0.0722	ug/L	1	11/19/19 20:25	524.2		MS
m-p Xylenes	<1.00	1.00	0.344	ug/L	1	11/19/19 20:25	524.2		MS
o-Xylene	<0.500	0.500	0.133	ug/L	1	11/19/19 20:25	524.2		MS
Total Xylenes*	<1.50	1.50	0.331	ug/L	1	11/19/19 20:25	524.2		MS
Styrene*	<0.500	0.500	0.128	ug/L	1	11/19/19 20:25	524.2		MS
Bromoform*	<0.500	0.500	0.242	ug/L	1	11/19/19 20:25	524.2		MS
1,4 Dichlorobenzene*	<0.500	0.500	0.133	ug/L	1	11/19/19 20:25	524.2		MS
1,2-Dichlorobenzene*	2.80	0.500	0.138	ug/L	1	11/19/19 20:25	524.2		MS
1,2,4-Trichlorobenzene*	<0.500	0.500	0.0904	ug/L	1	11/19/19 20:25	524.2		MS
Surrogate: Dibromofluoromethane			100 %	70-130		11/19/19 20:25	524.2		MS
Surrogate: Toluene-d8			98.2 %	70-130		11/19/19 20:25	524.2		MS
Surrogate: 4-Bromofluorobenzene			98.5 %	70-130		11/19/19 20:25	524.2		MS

Green Analytical Laboratories

Debbie Zufelt, Reports 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.



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

www.GreenAnalytical.com

Freeman Creek
308 Ho Hum Dr
Bayfield CO, 81122

Project: Compliance Suite
Project Name / Number: CO0234388
Project Manager: Jesse Wayne Barron

Reported:
12/11/19 15:31

General Chemistry - Quality Control

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

Batch B911183 - General Prep - Wet Chem

Blank (B911183-BLK1) Prepared: 11/19/19 Analyzed: 11/20/19

Fluoride	ND	0.100	mg/L							
----------	----	-------	------	--	--	--	--	--	--	--

LCS (B911183-BS1) Prepared: 11/19/19 Analyzed: 11/20/19

Fluoride	2.63	0.100	mg/L	2.50		105	90-110			
----------	------	-------	------	------	--	-----	--------	--	--	--

LCS Dup (B911183-BSD1) Prepared: 11/19/19 Analyzed: 11/20/19

Fluoride	2.62	0.100	mg/L	2.50		105	90-110	0.381	20	
----------	------	-------	------	------	--	-----	--------	-------	----	--

Total Recoverable Metals by ICP (E200.7) - Quality Control

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

Batch B911126 - Total Rec. 200.7/200.8/200.2

Blank (B911126-BLK1) Prepared: 11/13/19 Analyzed: 11/14/19

Sodium	ND	1.00	mg/L							
--------	----	------	------	--	--	--	--	--	--	--

LCS (B911126-BS1) Prepared: 11/13/19 Analyzed: 11/14/19

Sodium	3.31	1.00	mg/L	3.24		102	85-115			
--------	------	------	------	------	--	-----	--------	--	--	--

LCS Dup (B911126-BSD1) Prepared: 11/13/19 Analyzed: 11/14/19

Sodium	3.34	1.00	mg/L	3.24		103	85-115	0.849	20	
--------	------	------	------	------	--	-----	--------	-------	----	--

Green Analytical Laboratories

Debbie Zufelt, Reports 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.



Freeman Creek
308 Ho Hum Dr
Bayfield CO, 81122

Project: Compliance Suite
Project Name / Number: CO0234388
Project Manager: Jesse Wayne Barron

Reported:
12/11/19 15:31

Total Recoverable Metals by ICPMS (E200.8) - Quality Control

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

Batch B911127 - Total Rec. 200.7/200.8/200.2**Blank (B911127-BLK1)**

Prepared: 11/13/19 Analyzed: 11/14/19

Antimony	ND	0.0020	mg/L
Arsenic	ND	0.0010	mg/L
Barium	ND	0.0005	mg/L
Beryllium	ND	0.0005	mg/L
Cadmium	ND	0.0005	mg/L
Chromium	ND	0.0010	mg/L
Nickel	ND	0.0010	mg/L
Selenium	ND	0.0010	mg/L
Thallium	ND	0.0005	mg/L

LCS (B911127-BS1)

Prepared: 11/13/19 Analyzed: 11/14/19

Antimony	0.0563	0.0020	mg/L	0.0500	113	85-115
Arsenic	0.0471	0.0010	mg/L	0.0500	94.1	85-115
Barium	0.0476	0.0005	mg/L	0.0500	95.2	85-115
Beryllium	0.0484	0.0005	mg/L	0.0500	96.8	85-115
Cadmium	0.0486	0.0005	mg/L	0.0500	97.3	85-115
Chromium	0.0511	0.0010	mg/L	0.0500	102	85-115
Nickel	0.0483	0.0010	mg/L	0.0500	96.6	85-115
Selenium	0.239	0.0010	mg/L	0.250	95.8	85-115
Thallium	0.0466	0.0005	mg/L	0.0500	93.1	85-115

LCS Dup (B911127-BSD1)

Prepared: 11/13/19 Analyzed: 11/14/19

Antimony	0.0521	0.0020	mg/L	0.0500	104	85-115	7.81	20
Arsenic	0.0446	0.0010	mg/L	0.0500	89.2	85-115	5.38	20
Barium	0.0448	0.0005	mg/L	0.0500	89.7	85-115	5.92	20
Beryllium	0.0467	0.0005	mg/L	0.0500	93.3	85-115	3.61	20
Cadmium	0.0456	0.0005	mg/L	0.0500	91.3	85-115	6.33	20
Chromium	0.0474	0.0010	mg/L	0.0500	94.9	85-115	7.38	20
Nickel	0.0456	0.0010	mg/L	0.0500	91.3	85-115	5.63	20
Selenium	0.227	0.0010	mg/L	0.250	90.6	85-115	5.52	20
Thallium	0.0443	0.0005	mg/L	0.0500	88.5	85-115	5.03	20

Green Analytical Laboratories

Debbie Zufelt, Reports 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.



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

www.GreenAnalytical.com

Freeman Creek
308 Ho Hum Dr
Bayfield CO, 81122

Project: Compliance Suite
Project Name / Number: CO0234388
Project Manager: Jesse Wayne Barron

Reported:
12/11/19 15:31

Total Mercury by CVAA - Quality Control

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

Batch B911166 - EPA 245.1/7470

Blank (B911166-BLK1)

Prepared: 11/18/19 Analyzed: 11/19/19

Mercury	0.0002	0.0002	mg/L							B3
---------	--------	--------	------	--	--	--	--	--	--	----

LCS (B911166-BS1)

Prepared: 11/18/19 Analyzed: 11/19/19

Mercury	0.0051	0.0002	mg/L	0.00500		103	85-115			
---------	--------	--------	------	---------	--	-----	--------	--	--	--

LCS Dup (B911166-BSD1)

Prepared: 11/18/19 Analyzed: 11/19/19

Mercury	0.0051	0.0002	mg/L	0.00500		102	85-115	0.370	20	
---------	--------	--------	------	---------	--	-----	--------	-------	----	--

Green Analytical Laboratories

Debbie Zufelt, Reports 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.

Freeman Creek
308 Ho Hum Dr
Bayfield CO, 81122Project: Compliance Suite
Project Name / Number: CO0234388
Project Manager: Jesse Wayne BarronReported:
12/11/19 15:31

VOLATILES BY GC/MS - Quality Control

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

Batch 9111901 - Volatiles

Blank (9111901-BLK1)

Prepared & Analyzed: 11/19/19

1,1,1-Trichloroethane	ND	0.500	ug/L
1,1,2-Trichloroethane	ND	0.500	ug/L
1,1-Dichloroethene	ND	0.500	ug/L
1,2,4-Trichlorobenzene	ND	0.500	ug/L
1,2-Dichlorobenzene	ND	0.500	ug/L
1,2-Dichloroethane	ND	0.500	ug/L
1,2-Dichloropropane	ND	0.500	ug/L
1,4 Dichlorobenzene	ND	0.500	ug/L

Surrogate: 4-Bromofluorobenzene	24.3		ug/L	25.0	97.2	70-130
Benzene	ND	0.500	ug/L			
Bromodichloromethane	ND	0.500	ug/L			
Bromoform	ND	0.500	ug/L			
Carbon tetrachloride	ND	0.500	ug/L			
Chlorobenzene	ND	0.500	ug/L			
Chloroform	ND	0.500	ug/L			
cis-1,2-Dichloroethene	ND	0.500	ug/L			
Dibromochloromethane	ND	0.500	ug/L			

Surrogate: Dibromofluoromethane	24.7		ug/L	25.0	99.0	70-130
Ethylbenzene	ND	0.500	ug/L			
Methylene chloride	ND	0.500	ug/L			
m-p Xylenes	ND	1.00	ug/L			
o-Xylene	ND	0.500	ug/L			
Styrene	ND	0.500	ug/L			
Tetrachloroethene	ND	0.500	ug/L			
Toluene	ND	0.500	ug/L			

Surrogate: Toluene-d8	25.2		ug/L	25.0	101	70-130
Total Xylenes	ND	1.50	ug/L			
trans-1,2-Dichloroethene	ND	0.500	ug/L			
Trichloroethene	ND	0.500	ug/L			
Vinyl chloride	ND	0.500	ug/L			

LCS (9111901-BS1)

Prepared & Analyzed: 11/19/19

1,1,1-Trichloroethane	23.0	0.500	ug/L	20.0	115	70-130
1,1,2-Trichloroethane	20.9	0.500	ug/L	20.0	104	70-130
1,1-Dichloroethene	20.1	0.500	ug/L	20.0	100	70-130
1,2,4-Trichlorobenzene	18.2	0.500	ug/L	20.0	91.0	70-130
1,2-Dichlorobenzene	19.9	0.500	ug/L	20.0	99.4	70-130
1,2-Dichloroethane	19.8	0.500	ug/L	20.0	99.0	70-130
1,2-Dichloropropane	21.5	0.500	ug/L	20.0	107	70-130

Green Analytical Laboratories

Debbie Zufelt, Reports 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.



Freeman Creek
308 Ho Hum Dr
Bayfield CO, 81122

Project: Compliance Suite
Project Name / Number: CO0234388
Project Manager: Jesse Wayne Barron

Reported:
12/11/19 15:31

VOLATILES BY GC/MS - Quality Control
(Continued)

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

Batch 9111901 - Volatiles (Continued)

LCS (9111901-BS1) (Continued)

Prepared & Analyzed: 11/19/19

1,4 Dichlorobenzene	20.0	0.500	ug/L	20.0		100	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>25.0</i>		ug/L	<i>25.0</i>		<i>100</i>	<i>70-130</i>			
Benzene	20.2	0.500	ug/L	20.0		101	70-130			
Bromodichloromethane	21.1	0.500	ug/L	20.0		105	70-130			
Bromoform	18.8	0.500	ug/L	20.0		94.2	70-130			
Carbon tetrachloride	21.0	0.500	ug/L	20.0		105	70-130			
Chlorobenzene	20.9	0.500	ug/L	20.0		104	70-130			
Chloroform	20.2	0.500	ug/L	20.0		101	70-130			
cis-1,2-Dichloroethene	21.4	0.500	ug/L	20.0		107	70-130			
Dibromochloromethane	21.2	0.500	ug/L	20.0		106	70-130			
<i>Surrogate: Dibromofluoromethane</i>	<i>25.3</i>		ug/L	<i>25.0</i>		<i>101</i>	<i>70-130</i>			
Ethylbenzene	20.4	0.500	ug/L	20.0		102	70-130			
Methylene chloride	20.3	0.500	ug/L	20.0		102	70-130			
m-p Xylenes	41.7	1.00	ug/L	40.0		104	80-120			
o-Xylene	20.8	0.500	ug/L	20.0		104	70-130			
Styrene	22.1	0.500	ug/L	20.0		111	70-130			
Tetrachloroethene	21.5	0.500	ug/L	20.0		108	70-130			
Toluene	19.8	0.500	ug/L	20.0		98.9	70-130			
<i>Surrogate: Toluene-d8</i>	<i>24.7</i>		ug/L	<i>25.0</i>		<i>98.6</i>	<i>70-130</i>			
Total Xylenes	62.5	1.50	ug/L	60.0		104	70-130			
trans-1,2-Dichloroethene	21.5	0.500	ug/L	20.0		108	70-130			
Trichloroethene	22.0	0.500	ug/L	20.0		110	70-130			
Vinyl chloride	23.2	0.500	ug/L	20.0		116	70-130			

LCS Dup (9111901-BSD1)

Prepared & Analyzed: 11/19/19

1,1,1-Trichloroethane	22.6	0.500	ug/L	20.0		113	70-130	1.54	20	
1,1,2-Trichloroethane	21.0	0.500	ug/L	20.0		105	70-130	0.668	20	
1,1-Dichloroethene	19.7	0.500	ug/L	20.0		98.6	70-130	1.86	20	
1,2,4-Trichlorobenzene	17.2	0.500	ug/L	20.0		86.2	70-130	5.30	20	
1,2-Dichlorobenzene	19.4	0.500	ug/L	20.0		97.2	70-130	2.19	20	
1,2-Dichloroethane	19.7	0.500	ug/L	20.0		98.4	70-130	0.608	20	
1,2-Dichloropropane	21.0	0.500	ug/L	20.0		105	70-130	2.40	20	
1,4 Dichlorobenzene	19.6	0.500	ug/L	20.0		98.2	70-130	1.97	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>25.1</i>		ug/L	<i>25.0</i>		<i>101</i>	<i>70-130</i>			
Benzene	20.0	0.500	ug/L	20.0		100	70-130	1.19	20	
Bromodichloromethane	20.9	0.500	ug/L	20.0		105	70-130	0.715	20	
Bromoform	19.0	0.500	ug/L	20.0		95.0	70-130	0.793	20	
Carbon tetrachloride	21.2	0.500	ug/L	20.0		106	70-130	1.04	20	
Chlorobenzene	20.4	0.500	ug/L	20.0		102	70-130	2.13	20	

Green Analytical Laboratories

Debbie Zufelt, Reports 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.



Freeman Creek
308 Ho Hum Dr
Bayfield CO, 81122

Project: Compliance Suite
Project Name / Number: CO0234388
Project Manager: Jesse Wayne Barron

Reported:
12/11/19 15:31

VOLATILES BY GC/MS - Quality Control
(Continued)

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

Batch 9111901 - Volatiles (Continued)

LCS Dup (9111901-BSD1) (Continued)

Prepared & Analyzed: 11/19/19

Chloroform	19.9	0.500	ug/L	20.0		99.7	70-130	1.05	20	
cis-1,2-Dichloroethene	20.9	0.500	ug/L	20.0		104	70-130	2.60	20	
Dibromochloromethane	21.0	0.500	ug/L	20.0		105	70-130	0.853	20	
<i>Surrogate: Dibromofluoromethane</i>	<i>25.3</i>		ug/L	<i>25.0</i>		<i>101</i>	<i>70-130</i>			
Ethylbenzene	20.5	0.500	ug/L	20.0		102	70-130	0.343	20	
Methylene chloride	20.2	0.500	ug/L	20.0		101	70-130	0.839	20	
m-p Xylenes	41.4	1.00	ug/L	40.0		103	80-120	0.795	20	
o-Xylene	20.8	0.500	ug/L	20.0		104	70-130	0.00	20	
Styrene	22.2	0.500	ug/L	20.0		111	70-130	0.316	20	
Tetrachloroethene	21.6	0.500	ug/L	20.0		108	70-130	0.139	20	
Toluene	19.9	0.500	ug/L	20.0		99.6	70-130	0.655	20	
<i>Surrogate: Toluene-d8</i>	<i>24.7</i>		ug/L	<i>25.0</i>		<i>98.9</i>	<i>70-130</i>			
Total Xylenes	62.2	1.50	ug/L	60.0		104	70-130	0.529	20	
trans-1,2-Dichloroethene	21.2	0.500	ug/L	20.0		106	70-130	1.26	20	
Trichloroethene	21.6	0.500	ug/L	20.0		108	70-130	1.93	20	
Vinyl chloride	23.0	0.500	ug/L	20.0		115	70-130	0.864	20	

Notes and Definitions

B3	Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis *Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Debbie Zufelt, Reports 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.



jenna.emerick@greenanalytical.com or
dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

FORM-006
COC - Revision 6.0

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



Colorado Department
of Public Health
and Environment

Organic Chemicals Certified Laboratory Report Form

Revision: 6/13/2014

WQCD - Drinking Water CAS

4300 Cherry Creek Drive South; Denver, CO 80246-1530

Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

VOC/SOC

Section I (Supplied or Completed by Public Water System)

Public Water System Information

PWS ID: CO 0234388

System Name: Freeman Creek

Contact Person: J. Wayne Burton

Comments:

Laboratory ID:

Laboratory Name:

Contact Person:

Comments:

Phone #: 464-697-8982

Do Samples Need to be
Composited BY THE LAB?

Section III (Supplied or Completed by Public Water System)

Sample Date: 11-12-14

Collector: S.H.

Facility ID (On Schedule): 605

Sample Pt ID (On Schedule): 605

Section IV Volatile Organic Chemicals (Supplied or Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
			1,1,1-Trichloroethane (2981)	71-55-6		200		
			1,1,2-Trichloroethane (2985)	79-00-5		5		
			1,1-Dichloroethylene (2977)	75-35-4		7		
			1,2,4-Trichlorobenzene (2378)	120-82-1		70		
			1,2-Dichloroethane (2980)	107-06-2		5		
			1,2-Dichloropropane (2983)	78-87-5		5		
			Benzene (2990)	71-43-2		5		
			Carbon tetrachloride (2982)	56-23-5		5		
			Chlorobenzene (2989)	108-90-7		100		
			cis-1,2-Dichloroethylene (2380)	156-59-2		70		
			Dichloromethane (2964)	75-09-2		5		
			Ethylbenzene (2992)	100-41-4		700		
			o-Dichlorobenzene (2968)	95-50-1		600		
			Para-Dichlorobenzene (2969)	106-46-7		75		
			Styrene (2996)	100-42-5		100		
			Tetrachloroethylene (2987)	127-18-4		5		
			Toluene (2991)	108-88-3		1,000		
			trans-1,2-Dichloroethylene (2979)	156-60-5		100		
			Trichloroethylene (2984)	79-01-6		5		
			Vinyl chloride (2976)	75-01-4		2		
			Xylenes - Total (2955)	1330-20-7		10,000		

NT: Not Tested ug/L: Micrograms per Liter MCL: Maximum Contaminant Level BDL: Below Laboratory MRL. A less than sign (<) may also be used

Section V (Supplied or Completed by Public Water System)								
PWS ID:		Facility ID (On Schedule):			Sample Pt ID (On Schedule):			
Sample Date:		Collector:						
Section VI Synthetic Organic Chemicals (Supplied or Completed by Certified Laboratory)								
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
			1,2-Dibromo-3-Chloropropane (2931)	96-12-8		0.2		
			2,4,-D (2105)	94-75-7		70		
			2,4,5,-TP (2110)	93-72-1		50		
			Alachlor/Lasso (2051)	15972-60-8		2		
			Aldicarb (2047)	116-06-3		N/A		
			Aldicarb sulfone (2044)	1646-88-4		N/A		
			Aldicarb sulfoxide (2043)	1646-87-3		N/A		
			Atrazine (2050)	1912-24-9		3		
			Benzo(a)pyrene (2306)	50-32-8		0.2		
			Carbofuran (2046)	1563-66-2		40		
			Chlordane (2959)	57-74-9		2		
			Dalapon (2031)	75-99-0		200		
			Di(2-ethylhexyl)adipate (2035)	103-23-1		400		
			Di(2-ethylhexyl)phthalate (2039)	117-81-7		6		
			Dinoseb (2041)	85-85-7		7		
			Diquat (2032)	85-00-7		20		
			Endothall (2033)	145-73-3		100		
			Endrin (2005)	72-20-8		2		
			Ethylene dibromide (2946)	106-93-4		0.05		
			Heptachlor (2065)	76-44-8		0.4		
			Heptachlor epoxide (2067)	1024-57-3		0.2		
			Hexachlorobenzene (2274)	118-74-1		1		
			Hexachlorocyclopentadiene (2042)	77-47-4		50		
			Lindane/BHC-Gamma (2010)	58-89-9		0.2		
			Methoxychlor (2015)	72-43-5		40		
			Oxamyl (2036)	23135-22-0		200		
			Pentachlorophenol (2326)	87-86-5		1		
			Picloram (2040)	1918-02-1		500		
			Polychlorinated biphenyl's (2383)	1336-36-3		0.5		
			Simazine (2037)	122-34-9		4		
			Toxaphene (2020)	8001-35-2		3		
			Glyphosate (2034)	1071-83-6		700		

N/T: Not Tested

ug/L: Micrograms per Liter

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL. A less than sign (<) may also be used

MCL: Maximum Contaminant Level



Colorado Department
of Public Health
and Environment

Radionuclides Certified Laboratory Report Form

WQCD - Drinking Water CAS

4300 Cherry Creek Drive South; Denver, CO 80246-1530

Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision 6/13/2014

RAD

Section I (Supplied or Completed by Public Water System)

Public Water System Information

PWS ID: C00234388

System Name: Freeman Creek

Contact Person: J. Wagner Barron

Phone #: 404-697-6983

Do Samples Need to be
Composited BY THE LAB?

Section II (Supplied or Completed by Certified Laboratory)

Certified Laboratory Information

Laboratory ID:

Laboratory Name:

Contact Person:

Comments:

Phone #:

Section III (Supplied or Completed by Public Water System)

Sample Date: 11-12-19 Collector: S. H. Facility ID (On Schedule): 005 Sample Pt ID (On Schedule): 005

Section IV Radionuclides (Supplied or Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL	Lab MRL	Result
			Gross Alpha Including Uranium (4002)	12587-46-1		N/A		
			Combined Uranium (4006)	7440-61-1		30 ug/L		
			Radium -226 (4020)	13982-63-3		N/A		
			Radium -228 (4030)	15262-20-1		N/A		
			Gross Beta (4100)	12587-47-2		50 pCi/L*		
			Total Dissolved Solids (1930)			N/A		

*The MCL for Gross Beta Particle Activity is 4 mrem/year. Since there is no simple conversion between mrem/year and pCi/L EPA considers 50 pCi/L to be the level of concern.

Section V Calculated Values

N/A	Gross Alpha Excluding Uranium (4000)	Calculated Value	15 pCi/L	N/A
	Combined Radium {-226 & -228} (4010)	Calculated Value	5 pCi/L	N/A

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL. A less than sign (<) may also be used

ug/L: Micrograms per Liter

pCi/L: Picocuries per Liter

MCL: Maximum Contaminant Level



Colorado Department
of Public Health
and Environment

Inorganic Chemicals Certified Laboratory Report Form

Revision 6/13/2014

WQCD - Drinking Water CAS

4300 Cherry Creek Drive South; Denver, CO 80246-1530

Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

IOC

Section I (Supplied or Completed by Public Water System)

Public Water System Information

PWS ID: C00234388

System Name: Freeman Creek

Contact Person: J. Wayne Barron

Phone #: 646-87-8983

Do Samples Need to be
Composited BY THE LAB?

☐

Laboratory ID:

Laboratory Name:

Contact Person:

Phone #:

Comments:

Section II (Supplied or Completed by Certified Laboratory)

Certified Laboratory Information

Sample Date: 11-12-19

Collector: Steve Horner

Facility ID (On Schedule): 005

Sample Pt ID (On Schedule): 005

Section III (Supplied or Completed by Public Water System)

Section IV Inorganic Chemicals (Supplied or Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (mg/L)	Lab MRL (mg/L)	Result (mg/L)
			Antimony (1074)	7440-36-0		0.006		
			Arsenic (1005)	7440-38-2		0.01		
			Barium (1010)	7440-39-3		2		
			Beryllium (1075)	7440-41-7		0.004		
			Cadmium (1015)	7440-43-9		0.005		
			Chromium (1020)	7440-47-3		0.1		
			Cyanide (1024)	57-12-5		0.2		
			Fluoride (1025)	16984-48-8		4.0		
			Mercury (1035)	7439-97-6		0.002		
			Nickel (1036)	7440-02-0		N/A		
			Selenium (1045)	7782-49-2		0.05		
			Sodium (1052)	7440-23-5		N/A		
			Thallium (1085)	7440-28-0		0.002		

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL. A less than sign (<) may also be used

mg/L: Milligrams per Liter

MCL: Maximum Contaminant Level



Colorado Department
of Public Health
and Environment

Organic Chemicals Certified Laboratory Report Form

WQCD – Drinking Water CAS

4300 Cherry Creek Drive South; Denver, CO 80246-1530

Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision: 6/13/2014

VOC/SOC

Section I (Supplied or Completed by Public Water System)		Section II (Supplied or Completed by Certified Laboratory)	
Public Water System Information		Certified Laboratory Information	
PWS ID: CO0234388		Laboratory ID: H903850 AUTOLOG FROM GAL 1911-118	
System Name: FREEMAN CREEK		Laboratory Name: CARDINAL LABORATORIES	
Contact Person: WAYNE BARRON	Phone #: 404-697-8983	Contact Person: CELEY KEENE	Phone #: 575-393-2326
Comments:	Do Samples Need to be Composited <u>BY THE LAB?</u>	Comments:	

Section III (Supplied or Completed by Public Water System)			
Sample Date: 11/12/19	Collector: SH	Facility ID (On Schedule): 005	Sample Pt ID (On Schedule): 005

Section IV Volatile Organic Chemicals (Supplied or Completed by Certified Laboratory)								
Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
11/13/19	11/19/19	H903850-01	1,1,1-Trichloroethane (2981)	71-55-6	EPA 524.2	200	0.5	< 0.5
			1,1,2-Trichloroethane (2985)	79-00-5	EPA 524.2	5	0.5	< 0.5
			1,1-Dichloroethylene (2977)	75-35-4	EPA 524.2	7	0.5	< 0.5
			1,2,4-Trichlorobenzene (2378)	120-82-1	EPA 524.2	70	0.5	< 0.5
			1,2,-Dichloroethane (2980)	107-06-2	EPA 524.2	5	0.5	< 0.5
			1,2,-Dichloropropane (2983)	78-87-5	EPA 524.2	5	0.5	< 0.5
			Benzene (2990)	71-43-2	EPA 524.2	5	0.5	< 0.5
			Carbon tetrachloride (2982)	56-23-5	EPA 524.2	5	0.5	< 0.5
			Chlorobenzene (2989)	108-90-7	EPA 524.2	100	0.5	25.6
			cis-1,2-Dichloroethylene (2380)	156-59-2	EPA 524.2	70	0.5	< 0.5
			Dichloromethane (2964)	75-09-2	EPA 524.2	5	0.5	< 0.5
			Ethylbenzene (2992)	100-41-4	EPA 524.2	700	0.5	< 0.5
			o-Dichlorobenzene (2968)	95-50-1	EPA 524.2	600	0.5	2.80
			Para-Dichlorobenzene (2969)	106-46-7	EPA 524.2	75	0.5	< 0.5
			Styrene (2996)	100-42-5	EPA 524.2	100	0.5	< 0.5
			Tetrachloroethylene (2987)	127-18-4	EPA 524.2	5	0.5	< 0.5
			Toluene (2991)	108-88-3	EPA 524.2	1,000	0.5	<0.5
			trans-1,2-Dichloroethylene (2979)	156-60-5	EPA 524.2	100	0.5	< 0.5
			Trichloroethylene (2984)	79-01-6	EPA 524.2	5	0.5	< 0.5
			Vinyl chloride (2976)	75-01-4	EPA 524.2	2	0.5	< 0.5
			Xylenes - Total (2955)	1330-20-7	EPA 524.2	10,000	1.5	<1.5

Section V (Supplied or Completed by Public Water System)								
PWS ID: CO0234388		Facility ID (On Schedule): 005			Sample Pt ID (On Schedule): 005			
Sample Date: 11/12/19		Collector: SH						
Section VI Synthetic Organic Chemicals (Supplied or Completed by Certified Laboratory)								
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
			1,2-Dibromo-3-Chloropropane (2931)	96-12-8		0.2		
			2,4,-D (2105)	94-75-7		70		
			2,4,5,-TP (2110)	93-72-1		50		
			Alachlor/Lasso (2051)	15972-60-8		2		
			Aldicarb (2047)	116-06-3		N/A		
			Aldicarb sulfone (2044)	1646-88-4		N/A		
			Aldicarb sulfoxide (2043)	1646-87-3		N/A		
			Atrazine (2050)	1912-24-9		3		
			Benzo(a)pyrene (2306)	50-32-8		0.2		
			Carbofuran (2046)	1563-66-2		40		
			Chlordane (2959)	57-74-9		2		
			Dalapon (2031)	75-99-0		200		
			Di(2-ethylhexyl)adipate (2035)	103-23-1		400		
			Di(2-ethylhexyl)phthalate (2039)	117-81-7		6		
			Dinoseb (2041)	85-85-7		7		
			Diquat (2032)	85-00-7		20		
			Endothall (2033)	145-73-3		100		
			Endrin (2005)	72-20-8		2		
			Ethylene dibromide (2946)	106-93-4		0.05		
			Heptachlor (2065)	76-44-8		0.4		
			Heptachlor epoxide (2067)	1024-57-3		0.2		
			Hexachlorobenzene (2274)	118-74-1		1		
			Hexachlorocyclopentadiene (2042)	77-47-4		50		
			Lindane/BHC-Gamma (2010)	58-89-9		0.2		
			Methoxychlor (2015)	72-43-5		40		
			Oxamyl (2036)	23135-22-0		200		
			Pentachlorophenol (2326)	87-86-5		1		
			Picloram (2040)	1918-02-1		500		
			Polychlorinated biphenyl's (2383)	1336-36-3		0.5		
			Simazine (2037)	122-34-9		4		
			Toxaphene (2020)	8001-35-2		3		
			Glyphosate (2034)	1071-83-6		700		

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

ug/L: Micrograms per Liter

BDL: Below Laboratory

Page 17 of 28 1911118 GAL_WSUB FINAL 12 11 19 1531 12/11/19 15:31:47

Page 2 of 2

Maximum Contaminant Level

LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call us at (800) 332-4345 or (574) 233-4777.

This report may not be reproduced, except in full, without written approval from EEA.

STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Missouri	880
Alaska	IN00035	Montana	CERT0026
Arizona	AZ0432	Nebraska	NE-OS-05-04
Arkansas	IN00035	Nevada	IN00035
California	2920	New Hampshire*	2124
Colorado	IN00035	New Jersey*	IN598
Colorado Radiochemistry	IN00035	New Mexico	IN00035
Connecticut	PH-0132	New York*	11398
Delaware	IN035	North Carolina	18700
Florida*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon (Primary AB)*	4074
Illinois*	200001	Pennsylvania*	68-00466
Illinois Microbiology	17767	Puerto Rico	IN00035
Illinois Radiochemistry	IN00035	Rhode Island	LAO00343
Indiana Chemistry	C-71-01	South Carolina	95005
Indiana Microbiology	M-76-07	South Dakota	IN00035
Iowa	098	Tennessee	TN02973
Kansas*	E-10233	Texas*	T104704187-18-12
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA014	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
EPA	IN00035		

*NELAP/TNI Recognized Accreditation Bodies

LABORATORY CASE NARRATIVE

Client: Green Analytical Laboratories

Report #: 470808QC

All method QC was within acceptance limits, with the exception of:

Note: The sample submitted for Method 525.2 analysis was received at a pH>2, which is outside of method requirements. The sample pH was adjusted by laboratory personnel prior to analysis.

Note: This report may not be reproduced, except in full, without written approval from EEA.

Kelly Blackburn ASM

12/06/2019

Authorized Signature

Title

Date

Page 1 of 1



Colorado Department
of Public Health
and Environment

Organic Chemicals Certified Laboratory Report Form

WQCD -- Drinking Water CAS
4300 Cherry Creek Drive South, Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision: 6/13/14

VOC/SOC

Section I (Supplied or Completed by Public Water System)				Section II (Supplied or Completed by Certified Laboratory)				
Public Water System Information				Certified Laboratory Information				
PWS ID: CO0234388				Laboratory ID: IN001				
System Name: Freeman Creek				Laboratory Name: EEA				
Contact Person: J Wayne Barron			Phone #: 404-697-8983	Contact Person: Kelly Blackburn			Phone #: (574) 233-4777	
Comments:			Do Samples Need to be Composited BY THE LAB ? ☐	Comments:				
Section III (Supplied or Completed by Public Water System)								
Sample Date: 11/12/19		Collector: Steve H		Facility ID (On Schedule): 005		Sample Point ID (On Schedule): 005		
Section IV Volatile Organic Chemicals (Supplied or Completed by Certified Laboratory)								
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
			1,1,1-Trichloroethane (2981)	71-55-6		200		NT
			1,1,2-Trichloroethane (2985)	79-00-5		5		NT
			1,1-Dichloroethylene (2977)	75-35-4		7		NT
			1,2,4-Trichlorobenzene (2378)	120-82-1		70		NT
			1,2-Dichloroethane (2980)	107-06-2		5		NT
			1,2-Dichloropropane (2983)	78-87-5		5		NT
			Benzene (2990)	71-43-2		5		NT
			Carbon tetrachloride (2982)	56-23-5		5		NT
			Monochlorobenzene (2989)	108-90-7		100		NT
			cis-1,2-Dichloroethylene (2380)	156-59-2		70		NT
			Dichloromethane (2964)	75-09-2		5		NT
			Ethylbenzene (2992)	100-41-4		700		NT
			o-Dichlorobenzene (2968)	95-50-1		600		NT
			para-Dichlorobenzene (2969)	106-46-7		75		NT
			Styrene (2996)	100-42-5		100		NT
			Tetrachloroethylene (2987)	127-18-4		5		NT
			Toluene (2991)	108-88-3		1000		NT
			trans-1,2-Dichloroethylene (2979)	156-60-5		100		NT
			Trichloroethylene (2984)	79-01-6		5		NT
			Vinyl chloride (2976)	75-01-4		2		NT
Xylenes (total) (2955)	1330-20-7		10000		NT			

Section V (Supplied or Completed by Public Water System)								
PWS ID: CO0234388		Facility ID (On Schedule): 005			Sample Point ID (On Schedule): 005			
Sample Date: 11/12/19		Collector: Steve H						
Section VI Synthetic Organic Chemicals (Supplied or Completed by Certified Laboratory)								
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
11/13/19	11/16/19	4483178	Dibromochloropropane (2931)	96-12-8	504.1	0.2	0.01	BDL
11/13/19	11/20/19	4483176	2,4-D (2105)	94-75-7	515.3	70	0.1	BDL
11/13/19	11/20/19	4483176	2,4,5-TP (2110)	93-72-1	515.3	50	0.1	BDL
11/13/19	11/20/19	4483180	Alachlor (2051)	15972-60-8	525.2	2	0.1	BDL
11/13/19	11/16/19	4483173	Aldicarb (2047) \$	116-06-3	531.2	N/A	0.5	BDL
11/13/19	11/16/19	4483173	Aldicarb sulfone (2044) \$	1646-88-4	531.2	N/A	0.7	BDL
11/13/19	11/16/19	4483173	Aldicarb sulfoxide (2043) \$	1646-87-3	531.2	N/A	0.5	BDL
11/13/19	11/20/19	4483180	Atrazine (2050)	1912-24-9	525.2	3	0.1	BDL
11/13/19	11/20/19	4483180	Benzo(a)pyrene (2306)	50-32-8	525.2	0.2	0.02	BDL
11/13/19	11/16/19	4483173	Carbofuran (2046)	1563-66-2	531.2	40	0.9	BDL
11/13/19	11/25/19	4483181	Chlordane (2959)	57-74-9	505	2	0.1	BDL
11/13/19	11/20/19	4483176	Dalapon (2031)	75-99-0	515.3	200	1.0	BDL
11/13/19	11/20/19	4483180	Di(2-ethylhexyl)adipate (2035)	103-23-1	525.2	400	0.6	BDL
11/13/19	11/20/19	4483180	Di(2-ethylhexyl)phthalate (2039)	117-81-7	525.2	6	0.6	BDL
11/13/19	11/20/19	4483176	Dinoseb (2041)	88-85-7	515.3	7	0.1	BDL
11/13/19	11/14/19	4483177	Diquat (2032)	85-00-7	549.2	20	0.4	BDL
11/13/19	11/18/19	4483179	Endothall (2033)	145-73-3	548.1	100	9.0	BDL
11/13/19	11/20/19	4483180	Endrin (2005)	72-20-8	525.2	2	0.01	BDL
11/13/19	11/16/19	4483178	Ethylene dibromide (2946)	106-93-4	504.1	0.05	0.01	BDL
11/13/19	11/20/19	4483180	Heptachlor (2065)	76-44-8	525.2	0.4	0.04	BDL
11/13/19	11/20/19	4483180	Heptachlor epoxide (2067)	1024-57-3	525.2	0.2	0.02	BDL
11/13/19	11/20/19	4483180	Hexachlorobenzene (2274)	118-74-1	525.2	1	0.1	BDL
11/13/19	11/20/19	4483180	Hexachlorocyclopentadiene (2042)	77-47-4	525.2	50	0.1	BDL
11/13/19	11/20/19	4483180	Lindane (2010)	58-89-9	525.2	0.2	0.02	BDL
11/13/19	11/20/19	4483180	Methoxychlor (2015)	72-43-5	525.2	40	0.1	BDL
11/13/19	11/16/19	4483173	Oxamyl (2036)	23135-22-0	531.2	200	1.0	BDL
11/13/19	11/20/19	4483176	Pentachlorophenol (2326)	87-86-5	515.3	1	0.04	BDL
11/13/19	11/20/19	4483176	Picloram (2040)	1918-02-1	515.3	500	0.1	BDL
11/13/19	11/25/19	4483181	Polychlorinated biphenyls ** (2383)		505	0.5	0.26	BDL
11/13/19	11/20/19	4483180	Simazine (2037)	122-34-9	525.2	4	0.07	BDL
11/13/19	11/25/19	4483181	Toxaphene (2020)	8001-35-2	505	3	1.0	BDL
			Glyphosate (2034)	1071-83-6		700		NT

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

ug/L: Micrograms per Liter

BDL: Below Laboratory MRL. A less than sign (<) may also be used

MCL: Maximum Contaminant Level

Note: This report may not be reproduced, except in full, without written approval from EEA.

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Note: The results presented relate only to the samples provided for analysis.

Radionuclides Chemicals Certified Laboratory Report Form

Revision: 6/13/2014

WQCD -- Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

RAD

Section I (Supplied or Completed by Public Water System)

Public Water System Information

PWS ID: CO0234388

System Name: Freeman Creek

Contact Person: J Wayne Barron

Comments:

Phone #: 404-697-8983

Do Samples Need to be
Composited BY THE LAB?

☐

Section II (Supplied or Completed by Certified Laboratory)

Certified Laboratory Information

Laboratory ID: IN001

Laboratory Name: EEA

Contact Person: Kelly Blackburn

Phone #: (574) 233-4777

Comments:

Section III (Supplied or Completed by Public Water System)

Sample Date: 11/12/19

Collector: Steve H

Facility ID (On Schedule): 005

Sample Point ID (On Schedule): 005

Section IV Radionuclides (Supplied or Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL	Lab MRL	Result
11/13/19	12/02/19	4483174	Gross Alpha (4002)	12587-46-1	7110 B	N/A	0.69	3.7
11/13/19	11/27/19	4483174	Combined Uranium (4006)	7440-61-1	200.8	30 ug/L	1.0	2.6
11/13/19	11/27/19	4483175	Radium 226 (4020)	13982-63-3	7500-Ra B	N/A	0.34	BDL
11/13/19	12/05/19	4483175	Radium 228 (4030)	15262-20-1	7500-Ra D	N/A	0.68	BDL
			Gross Beta (4100)	12587-47-2		50 pCi/L*		NT
			Total Dissolved Solids (1930)			N/A		NT

*The MCL for Gross Beta Particle Activity is 4 mrem/year. Since there is no simple conversion between mrem/year and pCi/L EPA considers 50 pCi/L to be the level of concern.

Section V Calculated Values

N/A	Gross Alpha Excluding Uranium (4000)	Calculated Value	15 pCi/L	N/A	2.0
	Combined Radium {-226 & -228} (4010)	Calculated Value	5 pCi/L	N/A	BDL

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL. A less than sign (<) may also be used

ug/L: Micrograms per Liter

pCi/L: Picocuries per Liter

MCL: Maximum Contaminant Level

CHAIN OF CUSTODY RECORD

Shaded area for EEA use only

Page 1 of 1

REPORT TO:		SAMPLER (Signature)		PWS ID #		STATE (sample origin)		PROJECT NAME		PO#		# OF CONTAINERS		MATRIX CODE		TURNAROUND TIME	
Green Analytical Laboratories 75 Suttie St. Dunwoody, CO 81303		Steve Homer		CO0834388		CO		Freeman Creek Pipeline		6A-19		441					
BILL TO:		COMPLIANCE MONITORING		Yes		No		TEST NAME		SAMPLE REMARKS		CHLORINATED					
same				✓								YES		NO			
LAB Number		COLLECTION		SAMPLING SITE													
DATE		TIME		DATE		TIME		DATE		TIME		DATE		TIME		DATE	
1	4483173	11/12/19	0900 X	EP005	4483173	✓	50CS	531	1911-118-01								
2	174				174	✓	Gross A w/out Radon or U		pH 2								
3	175				175	✓	uranium		11132019160								
4	176				175	✓	Rad 226/228										
5	177				176	✓	515										
6	178				177	✓	549										
7	179				178	✓	504										
8	180				179	✓	548										
9	181				180	✓	525										
10	182				181	✓	505										
11	183				182	✓	504										
	11132019160																

INQUIRED BY: (Signature)		DATE		TIME		RECEIVED BY: (Signature)		DATE		TIME		LAB COMMENTS	
		11/12/19		1600		FedEx		11/12/19		1600			
INQUIRED BY: (Signature)		DATE		TIME		RECEIVED BY: (Signature)		DATE		TIME			
INQUIRED BY: (Signature)		DATE		TIME		RECEIVED FOR LABORATORY BY:		DATE		TIME			
						K. Dwyer		11-13-19		0945			

MATRIX CODES:		TURN-AROUND TIME (TAT) - SURCHARGES	
DW-DRINKING WATER	SW = Standard Written: (15 working days)	0%	
RW-REAGENT WATER	RV* = Rush Verbal: (5 working days)	50%	
GW-GROUND WATER	RW* = Rush Written: (5 working days)	75%	
EW-EXPOSURE WATER			
SW-SURFACE WATER			
PW-POOL WATER			
WW-WASTE WATER			

CONDITIONS UPON RECEIPT (check one):		°C Upon Receipt	
IV* = Immediate Verbal: (3 working days)	100%		
IV* = Immediate Written: (3 working days)	125%		
SP* = Weekend, Holiday	CALL		
STAT* = Less than 48 hours	CALL		

LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT

LAB COMMENTS

1.2

N/A

Samples received unannounced with less than 48 hours holding time remaining may be subject to additional charges.

06-LO-F0435 Issue 4.0 Effective Date: 2014-05-01



Colorado Department
of Public Health
and Environment

Radionuclides Certified Laboratory Report Form

WQCD - Drinking Water CAS

4300 Cherry Creek Drive South; Denver, CO 80246-1530

Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision 6/13/2014

RAD

Section I (Supplied or Completed by Public Water System)			Section II (Supplied or Completed by Certified Laboratory)		
Public Water System Information			Certified Laboratory Information		
PWS ID:	C00234388		Laboratory ID:		
System Name:	Freeman Creek		Laboratory Name:		
Contact Person:	J. Wayne Barron		Contact Person:		
Phone #:	404-697-8983		Phone #:		
Comments:	Do Samples Need to be Compositing BY THE LAB?		Comments:		
Section III (Supplied or Completed by Public Water System)					
Sample Date:	11-12-19	Collector:	S.H.	Facility ID (On Schedule):	005
				Sample Pt ID (On Schedule):	805
Section IV Radionuclides (Supplied or Completed by Certified Laboratory)					
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method
			Gross Alpha Including Uranium (4002)	12587-46-1	N/A
			Combined Uranium (4006)	7440-61-1	30 ug/L
			Radium -226 (4020)	13982-63-3	N/A
			Radium -228 (4030)	15262-20-1	N/A
			Gross Beta (4100)	12587-47-2	50 pCi/L*
			Total Dissolved Solids (1930)		N/A
*The MCL for Gross Beta Particle Activity is 4 mrem/year. Since there is no simple conversion between mrem/year and pCi/L EPA considers 50 pCi/L to be the level of concern.					
Section V Calculated Values					
N/A			Gross Alpha Excluding Uranium (4000)		
			Calculated Value		
			Combined Radium {-226 & -228} (4010)		
			Calculated Value		

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL. A less than sign (<) may also be used

ug/L: Micrograms per Liter

pCi/L: Picocuries per Liter

MCL: Maximum Contaminant Level



Organic Chemicals Certified Laboratory Report Form

WQCD - Drinking Water CAS

4300 Cherry Creek Drive South; Denver, CO 80246-1530

Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision: 6/13/2014

VOC/SOC

Section I (Supplied or Completed by Public Water System)			Section II (Supplied or Completed by Certified Laboratory)					
Public Water System Information			Certified Laboratory Information					
PWS ID: <u>CO 0234388</u>	Laboratory ID:							
System Name: <u>Freeman Creek</u>	Laboratory Name:							
Contact Person: <u>J. Wayne Burron</u>	Contact Person:		Phone #:					
Comments:	Do Samples Need to be Compositd BY THE LAB?		Comments:					
Section III (Supplied or Completed by Public Water System)								
Sample Date: <u>11-12-19</u>	Collector: <u>S.H.</u>	Facility ID (On Schedule): <u>005</u>	Sample Pt ID (On Schedule): <u>005</u>					
Section IV Volatile Organic Chemicals (Supplied or Completed by Certified Laboratory)								
Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
			1,1,1-Trichloroethane (2981)	71-55-6		200		
			1,1,2-Trichloroethane (2985)	79-00-5		5		
			1,1-Dichloroethylene (2977)	75-35-4		7		
			1,2,4-Trichlorobenzene (2378)	120-82-1		70		
			1,2-Dichloroethane (2980)	107-06-2		5		
			1,2-Dichloropropane (2983)	78-87-5		5		
			Benzene (2990)	71-43-2		5		
			Carbon tetrachloride (2982)	56-23-5		5		
			Chlorobenzene (2989)	108-90-7		100		
			cis-1,2-Dichloroethylene (2380)	156-59-2		70		
			Dichloromethane (2964)	75-09-2		5		
			Ethylbenzene (2992)	100-41-4		700		
			o-Dichlorobenzene (2968)	95-50-1		600		
			Para-Dichlorobenzene (2969)	106-46-7		75		
			Styrene (2996)	100-42-5		100		
			Tetrachloroethylene (2987)	127-18-4		5		
			Toluene (2991)	108-88-3		1,000		
			trans-1,2-Dichloroethylene (2979)	156-60-5		100		
			Trichloroethylene (2984)	79-01-6		5		
			Vinyl chloride (2976)	75-01-4		2		
			Xylenes - Total (2955)	1330-20-7		10,000		

NT; Not Tested ug/L; Micrograms per Liter MCL; Maximum Contaminant Level BDL; Below Laboratory MRL. A less than sign (<) may also be used

Section V (Supplied or Completed by Public Water System)									
PWS ID:		Facility ID (On Schedule):		Sample Pt ID (On Schedule):					
Sample Date:		Collector:							
Section VI Synthetic Organic Chemicals (Supplied or Completed by Certified Laboratory)									
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)	
			1,2-Dibromo-3-Chloropropane (2931)	96-12-8			0.2		
			2,4,-D (2105)	94-75-7			70		
			2,4,5,-TP (2110)	93-72-1			50		
			Alachlor/Lasso (2051)	15972-60-8			2		
			Aldicarb (2047)	116-06-3			N/A		
			Aldicarb sulfone (2044)	1646-88-4			N/A		
			Aldicarb sulfoxide (2043)	1646-87-3			N/A		
			Atrazine (2050)	1912-24-9			3		
			Benzo(a)pyrene (2306)	50-32-8			0.2		
			Carbofuran (2046)	1563-66-2			40		
			Chlordane (2959)	57-74-9			2		
			Dalapon (2031)	75-99-0			200		
			Di(2-ethylhexyl)adipate (2035)	103-23-1			400		
			Di(2-ethylhexyl)phthalate (2039)	117-81-7			6		
			Dinoseb (2041)	85-85-7			7		
			Diquat (2032)	85-00-7			20		
			Endothall (2033)	145-73-3			100		
			Endrin (2005)	72-20-8			2		
			Ethylene dibromide (2946)	106-93-4			0.05		
			Heptachlor (2065)	76-44-8			0.4		
			Heptachlor epoxide (2067)	1024-57-3			0.2		
			Hexachlorobenzene (2274)	118-74-1			1		
			Hexachlorocyclopentadiene (2042)	77-47-4			50		
			Lindane/BHC-Gamma (2010)	58-89-9			0.2		
			Methoxychlor (2015)	72-43-5			40		
			Oxamyl (2036)	23135-22-0			200		
			Pentachlorophenol (2326)	87-86-5			1		
			Picloram (2040)	1918-02-1			500		
			Polychlorinated biphenyl's (2383)	1336-36-3			0.5		
			Simazine (2037)	122-34-9			4		
			Toxaphene (2020)	8001-35-2			3		
			Glyphosate (2034)	1071-83-6			700		

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

ug/L: Micrograms per Liter

BDL: Below Laboratory MRL. A less than sign (<) may also be used

MCL: Maximum Contaminant Level

Page 2 of 2

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303
Phone: 970-247-4220
FAX: 970-247-4227

PURCHASE REQUEST

Supplier: Eaton

Phone: _____

FAX: _____

Account# _____

Reference: _____

Contact: _____

PO Number: GA 19- 441

Date Ordered: 11/12/11

Ordered By: Jenna Emerick

Date Required: std.

[illegible]

Dept. Approval: _____ Date: 11/12/19 Page 1 of 1

Total: \$ _____