

## LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call the City of Fountain Water Department at (719) 322-2072

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## 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(Primary AB)*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon*	4156
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
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 Report

Client: City of Fountain  
Attn: Jasson Palmer  
116 South Main  
Fountain, CO 80817

Report: 517308  
Priority: Standard Written  
Status: Final  
PWS ID: CO0121275

Sample Information					
EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
4895777	Aga N2	537.1	05/06/21 11:30	Client	05/07/21 10:00
4895778	Aga N3	537.1	05/06/21 11:32	Client	05/07/21 10:00
4895779	Aga N4	537.1	05/06/21 11:34	Client	05/07/21 10:00
4895780	Aga S4	537.1	05/06/21 11:36	Client	05/07/21 10:00
4895781	Aga Raw	537.1	05/06/21 11:38	Client	05/07/21 10:00
4895782	Well 3 E2	537.1	05/06/21 11:50	Client	05/07/21 10:00
4895783	Well 3 E3	537.1	05/06/21 11:52	Client	05/07/21 10:00
4895784	Well 3 E4	537.1	05/06/21 11:54	Client	05/07/21 10:00
4895785	Well 3 W4	537.1	05/06/21 11:56	Client	05/07/21 10:00
4895786	Well 3 Raw	537.1	05/06/21 11:58	Client	05/07/21 10:00

### Report Summary

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

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



ASM

Authorized Signature

Title

Client Name: City of Fountain

Report #: 517308

05/19/2021

Date

Client Name: City of Fountain

Report #: 517308

Sampling Point: Aga N2

PWS ID: CO0121275

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
335-67-1	Perfluorooctanoic acid (PFOA)	537.1	---	2.0	<b>3.0</b>	ng/L	05/12/21 06:06	05/13/21 19:13	4895777
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 19:13	4895777
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1	---	2.0	<b>13</b>	ng/L	05/12/21 06:06	05/13/21 19:13	4895777
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1	---	2.0	<b>2.2</b>	ng/L	05/12/21 06:06	05/13/21 19:13	4895777
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1	---	2.0	<b>3.0</b>	ng/L	05/12/21 06:06	05/13/21 19:13	4895777
375-95-1	Perfluorononanoic acid (PFNA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 19:13	4895777

Sampling Point: Aga N3

PWS ID: CO0121275

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
335-67-1	Perfluorooctanoic acid (PFOA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 19:24	4895778
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 19:24	4895778
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1	---	2.0	<b>9.0</b>	ng/L	05/12/21 06:06	05/13/21 19:24	4895778
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 19:24	4895778
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 19:24	4895778
375-95-1	Perfluorononanoic acid (PFNA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 19:24	4895778

Sampling Point: Aga N4

PWS ID: CO0121275

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
335-67-1	Perfluorooctanoic acid (PFOA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 19:45	4895779
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 19:45	4895779
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1	---	2.0	<b>4.4</b>	ng/L	05/12/21 06:06	05/13/21 19:45	4895779
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 19:45	4895779
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 19:45	4895779
375-95-1	Perfluorononanoic acid (PFNA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 19:45	4895779

Client Name: City of Fountain

Report #: 517308

Sampling Point: Aga S4

PWS ID: CO0121275

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
335-67-1	Perfluorooctanoic acid (PFOA)	537.1	---	2.0	10	ng/L	05/12/21 06:06	05/13/21 20:06	4895780
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1	---	2.0	5.4	ng/L	05/12/21 06:06	05/13/21 20:06	4895780
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1	---	2.0	25	ng/L	05/12/21 06:06	05/13/21 20:06	4895780
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1	---	2.0	5.5	ng/L	05/12/21 06:06	05/13/21 20:06	4895780
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1	---	2.0	14	ng/L	05/12/21 06:06	05/13/21 20:06	4895780
375-95-1	Perfluorononanoic acid (PFNA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 20:06	4895780

Sampling Point: Aga Raw

PWS ID: CO0121275

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
335-67-1	Perfluorooctanoic acid (PFOA)	537.1	---	2.0	26	ng/L	05/12/21 06:06	05/13/21 20:17	4895781
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1	---	2.0	32	ng/L	05/12/21 06:06	05/13/21 20:17	4895781
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1	---	2.0	37	ng/L	05/12/21 06:06	05/13/21 20:17	4895781
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1	---	2.0	11	ng/L	05/12/21 06:06	05/13/21 20:17	4895781
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1	---	2.0	45	ng/L	05/12/21 06:06	05/13/21 20:17	4895781
375-95-1	Perfluorononanoic acid (PFNA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:06	05/13/21 20:17	4895781

Sampling Point: Well 3 E2

PWS ID: CO0121275

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
335-67-1	Perfluorooctanoic acid (PFOA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/12/21 19:20	4895782
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/12/21 19:20	4895782
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1	---	2.0	3.6	ng/L	05/12/21 06:45	05/12/21 19:20	4895782
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/12/21 19:20	4895782
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/12/21 19:20	4895782
375-95-1	Perfluorononanoic acid (PFNA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/12/21 19:20	4895782

Client Name: City of Fountain

Report #: 517308

Sampling Point: Well 3 E3

PWS ID: CO0121275

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
335-67-1	Perfluorooctanoic acid (PFOA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 02:56	4895783
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 02:56	4895783
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 02:56	4895783
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 02:56	4895783
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 02:56	4895783
375-95-1	Perfluorononanoic acid (PFNA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 02:56	4895783

Sampling Point: Well 3 E4

PWS ID: CO0121275

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
335-67-1	Perfluorooctanoic acid (PFOA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 03:09	4895784
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 03:09	4895784
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 03:09	4895784
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 03:09	4895784
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 03:09	4895784
375-95-1	Perfluorononanoic acid (PFNA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 03:09	4895784

Sampling Point: Well 3 W4

PWS ID: CO0121275

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
335-67-1	Perfluorooctanoic acid (PFOA)	537.1	---	2.0	5.5	ng/L	05/12/21 06:45	05/13/21 03:22	4895785
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1	---	2.0	3.5	ng/L	05/12/21 06:45	05/13/21 03:22	4895785
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1	---	2.0	14	ng/L	05/12/21 06:45	05/13/21 03:22	4895785
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1	---	2.0	4.1	ng/L	05/12/21 06:45	05/13/21 03:22	4895785
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1	---	2.0	13	ng/L	05/12/21 06:45	05/13/21 03:22	4895785
375-95-1	Perfluorononanoic acid (PFNA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 03:22	4895785

Client Name: City of Fountain

Report #: 517308

Sampling Point: Well 3 Raw

PWS ID: CO0121275

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
335-67-1	Perfluorooctanoic acid (PFOA)	537.1	---	2.0	14	ng/L	05/12/21 06:45	05/13/21 03:35	4895786
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1	---	2.0	20	ng/L	05/12/21 06:45	05/13/21 03:35	4895786
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1	---	2.0	18	ng/L	05/12/21 06:45	05/13/21 03:35	4895786
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1	---	2.0	7.2	ng/L	05/12/21 06:45	05/13/21 03:35	4895786
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1	---	2.0	38	ng/L	05/12/21 06:45	05/13/21 03:35	4895786
375-95-1	Perfluorononanoic acid (PFNA)	537.1	---	2.0	< 2.0	ng/L	05/12/21 06:45	05/13/21 03:35	4895786

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

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!

## Lab Definitions

**Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC)** - is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis. CCL, CCM, and CCH are the CCC standards at low, mid, and high concentration levels, respectively.

**Internal Standards (IS)** - are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

**Laboratory Duplicate (LD)** - is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

**Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS)** - is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control. FBL, FBM, and FBH are the LFB samples at low, mid, and high concentration levels, respectively.

**Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB)** - is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

**Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB)** - is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

If applicable, the calculation of the matrix spike (MS) or matrix spike duplicate (MSD) percent recovery is as follows:  $(\text{MS or MSD value} - \text{Sample value}) \times 100 / \text{spike target} / \text{dilution factor} = \text{Recovery \%}$

**Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD)** - is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix. SDL, SDM, and SDH / LFSMDL, LFSMDM, and LFSMDH are the MSD or LFSMD at low, mid, and high concentration levels, respectively.

**Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM)** - is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results. MSL, MSM, and MSH / LFSML, LFSMM, and LFSMH are the MS or LFSM at low, mid, and high concentration levels, respectively.

**Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV)** - is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

**Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS)** - is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

**Surrogate Standard (SS) / Surrogate Analyte (SUR)** - is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.





Eaton Analytical

Order # 389262  
Batch # 517308

www.EurofinsUS.com/Eaton

CHAIN OF CUSTODY RECORD

Page 1 of 1

Shaded area for EEA use only

REPORT TO: Justin Moore 719-322-2073		SAMPLER (Signature) <i>Zach Butts</i>		PWS ID # CO 0121275	STATE (sample origin) Colorado	PROJECT NAME Bi weekly PFC	PO#	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME	
BILL TO: 116 S Main St Fountain, CO 80817		COMPLIANCE MONITORING	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	POPULATION SERVED 29,000	SOURCE WATER Aga Park Well 3	Preservative Checks					
LAB Number	COLLECTION			SAMPLING SITE		TEST NAME	pH acceptable? <input checked="" type="checkbox"/>	Residual Chlorine (P/A)	CHLORINATED		
	DATE	TIME	AM PM						YES	NO	
1	4895117	5/6/21	11:30	X	Aga N2	PFC			X	2	DW SW
2	78	5/6/21	11:32	X	Aga N3	PFC			X	2	DW SW
3	79	5/6/21	11:34	X	Aga N4	PFC			X	2	DW SW
4	80	5/6/21	11:36	X	Aga 54	PFC			X	2	DW SW
5	81	5/6/21	11:38	X	Aga Raw	PFC			X	2	DW SW
6	83	5/6/21	11:50	X	well 3 E2	PFC			X	2	DW SW
7	83	5/6/21	11:52	X	well 3 E3	PFC			X	2	DW SW
8	84	5/6/21	11:54	X	well 3 E4	PFC			X	2	DW SW
9	85	5/6/21	11:56	X	well 3 W4	PFC			X	2	DW SW
10	86	5/6/21	11:58	X	well 3 Raw	PFC			X	2	DW SW
11											
12											
13											
14											

RELINQUISHED BY: (Signature) <i>Zach Butts</i>	DATE 5/6/21	TIME 12:30	RECEIVED BY: (Signature)	DATE	TIME	LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT	
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME	LAB COMMENTS	
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME	CONDITIONS UPON RECEIPT (check one): <input checked="" type="checkbox"/> Load: Wet/Blue <input type="checkbox"/> Ambient <input type="checkbox"/> °C Upon Receipt <u>0.2</u> N/A	

<b>MATRIX CODES:</b> DW-DRINKING WATER RW-REAGENT WATER GW- GROUND WATER EW-EXPOSURE WATER SW- SURFACE WATER PW-POOL WATER WW-WASTE WATER	<b>TURN-AROUND TIME (TAT) - SURCHARGES</b> SW = Standard Written: (15 working days) 0% RV* = Rush Verbal: (5 working days) 50% RW* = Rush Written: (5 working days) 75% * Please call, expedited service not available for all testing	IV* = Immediate Verbal: (3 working days) IW* =Immediate Written: (3 working days) SP* = Weekend, Holiday STAT* = Less than 48 hours	100% 125% CALL CALL	Samples received unannounced with less than 48 hours holding time remaining may be subject to additional charges. 06-LO-F0435 Issue 8.0 Effective Date: 2020-05-15
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Sample analysis will be provided according to the standard EEA Water Services Terms, which are available upon request. Any other terms proposed by Customer are deemed material alterations and are rejected unless expressly agreed to in writing by EEA.