

Eaton Analytical

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

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(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



Eaton Analytical

Laboratory Report

Client:	City of Fountain	Report:	502641
Attn:	Jasson Palmer	Priority:	Standard Written
7	116 South Main	Status:	Final
	Fountain, CO 80817	PWS ID:	CO0121275

	Sampl	e Information								
EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time					
4765096	Well 3 E1	537.1	10/29/20 11:00	Client	10/31/20 09:30					
4765097	Well 3 E2	537.1	10/29/20 11:02	Client	10/31/20 09:30					
4765098	Well 3 E4	537.1	10/29/20 11:04	Client	10/31/20 09:30					
4765099	Well W4	537.1	10/29/20 11:06	Client	10/31/20 09:30					
4765100	Well 3 Raw	537.1	10/29/20 11:08	Client	10/31/20 09:30					
4765101	Aga N1	537.1	10/29/20 11:20	Client	10/31/20 09:30					
4765102	Aga N2	537.1	10/29/20 11:22	Client	10/31/20 09:30					
4765103	Aga N4	537.1	10/29/20 11:24	Client	10/31/20 09:30					
4765104	Aga S4	537.1	10/29/20 11:26	Client	10/31/20 09:30					
4765105	Aga Raw	537.1	10/29/20 11:28	Client	10/31/20 09:30					
	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.

Slea Dreine ASN Title

11/13/2020

Date

 Authorized Signature

 Client Name:
 City of Fountain

 Report #:
 502641

Page 1 of 6

Client Name: City of Fountain

Sampling Point: Well 3 E1

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	11/11/20 06:20	11/12/20 00:17	4765096		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:17	4765096		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1		2.0	2.9	ng/L	11/11/20 06:20	11/12/20 00:17	4765096		
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:17	4765096		
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:17	4765096		
375-95-1	Perfluorononanoic acid (PFNA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:17	4765096		

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	11/11/20 06:20	11/12/20 00:28	4765097		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:28	4765097		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:28	4765097		
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:28	4765097		
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:28	4765097		
375-95-1	Perfluorononanoic acid (PFNA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:28	4765097		

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	11/11/20 06:20	11/12/20 00:39	4765098		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:39	4765098		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:39	4765098		
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:39	4765098		
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:39	4765098		
375-95-1	Perfluorononanoic acid (PFNA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:39	4765098		

Sampling Point: Well 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	4.5	ng/L	11/11/20 06:20	11/12/20 00:49	4765099		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1		2.0	2.4	ng/L	11/11/20 06:20	11/12/20 00:49	4765099		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1		2.0	11	ng/L	11/11/20 06:20	11/12/20 00:49	4765099		
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1		2.0	2.9	ng/L	11/11/20 06:20	11/12/20 00:49	4765099		
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1		2.0	8.1	ng/L	11/11/20 06:20	11/12/20 00:49	4765099		
375-95-1	Perfluorononanoic acid (PFNA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 00:49	4765099		

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	13	ng/L	11/11/20 06:20	11/12/20 01:00	4765100		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1		2.0	21	ng/L	11/11/20 06:20	11/12/20 01:00	4765100		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1		2.0	16	ng/L	11/11/20 06:20	11/12/20 01:00	4765100		
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1		2.0	5.7	ng/L	11/11/20 06:20	11/12/20 01:00	4765100		
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1		2.0	30	ng/L	11/11/20 06:20	11/12/20 01:00	4765100		
375-95-1	Perfluorononanoic acid (PFNA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:00	4765100		

Sampling Point: Aga N1

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	11/11/20 06:20	11/12/20 01:10	4765101		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:10	4765101		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1		2.0	2.9	ng/L	11/11/20 06:20	11/12/20 01:10	4765101		
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:10	4765101		
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:10	4765101		
375-95-1	Perfluorononanoic acid (PFNA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:10	4765101		

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	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:21	4765102		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:21	4765102		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:21	4765102		
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:21	4765102		
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:21	4765102		
375-95-1	Perfluorononanoic acid (PFNA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:21	4765102		

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	11/11/20 06:20	11/12/20 01:32	4765103		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:32	4765103		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:32	4765103		
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:32	4765103		
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:32	4765103		
375-95-1	Perfluorononanoic acid (PFNA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:32	4765103		

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	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:42	4765104		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:42	4765104		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1		2.0	6.1	ng/L	11/11/20 06:20	11/12/20 01:42	4765104		
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:42	4765104		
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:42	4765104		
375-95-1	Perfluorononanoic acid (PFNA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 01:42	4765104		

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	21	ng/L	11/11/20 06:20	11/12/20 02:04	4765105	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	537.1		2.0	23	ng/L	11/11/20 06:20	11/12/20 02:04	4765105	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537.1		2.0	27	ng/L	11/11/20 06:20	11/12/20 02:04	4765105	
375-85-9	Perfluoroheptanoic acid (PFHpA)	537.1		2.0	7.2	ng/L	11/11/20 06:20	11/12/20 02:04	4765105	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537.1		2.0	35	ng/L	11/11/20 06:20	11/12/20 02:04	4765105	
375-95-1	Perfluorononanoic acid (PFNA)	537.1		2.0	< 2.0	ng/L	11/11/20 06:20	11/12/20 02:04	4765105	

† 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: *		۸	!			

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: (MS or MSD value - Sample value) * 100 / spike target / dilution factor = **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 # 37723 Batch # 502641						
V.EurofinsUS.com/Eaton HAIN OF CUSTODY RECOR Shaded area for EEA use onl							Pag	e _/	of 4				
PORT TO:			SAMPLER (Signature)	PWS ID #	STATE (sample origin)		CT NAME	F	°O#	-	T	T	
Juston Moore 719 322 2073			Jan fler	(201212	Coro	Bin	seerly ls					ш	
114 S. Main 34			MONITORING	- 27.000	D SOURCE WATER AST D Nell3 PFC	1	tive Checks			CONTAINERS	CODE	TURNAROUND TIME	
LAB Number Collection		AM PM	SAMPLING SITE		TEST NAME		Residual Chlorine (P/A)			Ч	MATRIX CODE	URNARC	
4765096 10/21/20 1100 ×			Well3 El	PFC	DFC			12	X	12	DU		
09 10/20/20	1102	×	Vell 3 EZ	DFC	Dife				X	2	DU		
098 10/29/20		X X	Ve43 E4	PFC	PFC				×	3	P		
099 10/24/20		X	Well'S RAW	PFL			-	×	2	BJ	_		
10 10/29/20	1120	X	Asg NI	PFC				×	2	カン			
102 10/29/20	1122	x	As N2	PFC	PFC				X	2	Du	_	
103 10/24/20	1124	X X	Asa NY	PFC	DFC				X	2	Du		
104 10/29/20	1120	X	Ara SH Ara RAW	PFL		-		-	X	5	Du		
	1128	-		pro					~	F	- P-		
							1					-	
						-	-	-	-	-	-	+	
	0.175				RESERVES THE RIGHT TO RETURN UNUSED PORT	IONS OF NON AO	LEOUS SAMPLES	TOCLIENT		-	_	_	
RELINQUISHED BY:(Signature) DATE TIM		TIME 1145	RECEIVED BY:(Signature) DATE	LAB COMMENT	-e				-	-		_	
		AN PM		AM PM OK 1	i proceed put	Viele	2.						
ELINQUISHED BY:(Signature) DATE TIM		TIME	RECEIVED BY:(Signature) DATE	TIME	1	-2-20	TOK)					
				AM PM mes	teal								
INQUISHED BY:(Signature)	DATE	AM PM TIME	RECEIVED FOR LABORATORY BY: DATE	TIME CONDITIONS	PON RECEIPT (check one)	- 11	-					-	
			× Dur 103/201	0930 - X Iced: (We	Velue Ambient	12-8	°C Upor	Receipt	_	N//	Ą		
MATRIX CODES:	TURN ADOL	AM PM		AM PM								_	
DW-DRINKING WATER RW-REAGENT WATER GW- GROUND WATER EW-EXPOSURE WATER SW- 50% RW* = Rush Written: (5		Vritten: (15 wo Written: (5 wo	IE (TAT) - SURCHARGES IV* = Immediate Verbal: (3 working days) IV* 100% Samples received unannounced with less 15 working days) 0% RV* = Rush Verbal: (5 working days) IV* = Immediate Verbal: (3 working days) IV* 100% Samples received unannounced with less (5 working days) 75% =Immediate Verbal: (3 working days) SP* = 125% time remaining may be subject to addition ed service not available for all testing Weekend, Holday CALL 06-LO-F0435 Issue 8.0 Effective Date STAT* = Less than 48 hours CALL 06-LO-F0435 Issue 8.0 Effective Date				dditional ch	arges.					