

LABORATORY REPORT

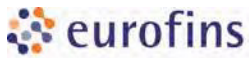
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STATE CERTIFICATION LIST

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	IN035	New Jersey*	IN598
Colorado Radiochemistry	IN035	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)*	4074-001
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*	T104704187-15-8
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA170006	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

110 South Hill Street
South Bend, IN 46617
Tel: (574) 233-4777
Fax: (574) 233-8207
1 800 332 4345

Laboratory Report

Client: C.T. Male Associates

Attn: Kirk Moline
50 Century Hill Drive
Latham, NY 12110

Report: 399897
Priority: Standard Written
Status: Final
PWS ID: Not Supplied
Lab ELAP #: 11398

Sample Information					
EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
3794300	GAC Influent	537	10/05/17 08:50	Client	10/06/17 10:00
3794301	GAC Midfluent	537	10/05/17 08:52	Client	10/06/17 10:00
3794302	GAC Effluent	537	10/05/17 08:54	Client	10/06/17 10:00
3794303	Field Trip Blank	537	10/05/17 08:57	Client	10/06/17 10:00
3794304	Lab Trip Blank/09/05/2017	537	10/05/17 08:50	EEA	10/06/17 10:00

Report Summary

Project: 14.4756

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

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Kelly Blackburn at (574) 233-4777.

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Kelly Blackburn ASM

Authorized Signature

Title

10/24/2017
Date

Client Name: C.T. Male Associates
Report #: 399897

Sampling Point: GAC Influent

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 07:19	3794300
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 07:19	3794300
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	13	ng/L	10/10/17 07:18	10/11/17 07:19	3794300
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 07:19	3794300
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	12	ng/L	10/10/17 07:18	10/11/17 07:19	3794300
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 07:19	3794300
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 07:19	3794300
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 07:19	3794300
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	2.8	ng/L	10/10/17 07:18	10/11/17 07:19	3794300
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	490	ng/L	10/10/17 07:18	10/11/17 09:34	3794300
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 07:19	3794300
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 07:19	3794300

Sampling Point: GAC Midfluent

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 08:10	3794301
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 08:10	3794301
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 08:10	3794301
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 08:10	3794301
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 08:10	3794301
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 08:10	3794301
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 08:10	3794301
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 08:10	3794301
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 08:10	3794301
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 08:10	3794301
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 08:10	3794301
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 08:10	3794301

Sampling Point: GAC Effluent

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 10:58	3794302
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 10:58	3794302
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 10:58	3794302
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 10:58	3794302
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 10:58	3794302
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 10:58	3794302
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 10:58	3794302
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 10:58	3794302
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 10:58	3794302
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 10:58	3794302
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 10:58	3794302
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 10:58	3794302

Sampling Point: Field Trip Blank

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:22	3794303
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:22	3794303
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:22	3794303
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:22	3794303
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:22	3794303
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:22	3794303
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:22	3794303
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:22	3794303
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:22	3794303
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:22	3794303
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:22	3794303
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:22	3794303

Sampling Point: Lab Trip Blank/09/05/2017

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:55	3794304
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:55	3794304
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:55	3794304
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:55	3794304
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:55	3794304
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:55	3794304
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:55	3794304
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:55	3794304
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:55	3794304
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:55	3794304
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:55	3794304
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	10/10/17 07:18	10/11/17 12:55	3794304

† 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.

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

110 S. Hill Street
South Bend, IN 46617
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F: 1.574.233.8207

Order # **314013**
Batch # **399897**

308184
10/16/17

www.eurofinsus.com/Eaton

CHAIN OF CUSTODY RECORD

Page 1 of 1

Shaded area for EEA use only

REPORT TO: Don Peck
C.J. Matic Associates
50 Century Hill Dr.
Latham NY 12110

BILL TO:

Same

SAMPLER (Signature)
Christina Amey

PWS ID # -

STATE (sample origin)
NY

PROJECT NAME
14.4756

PO#

MATRIX CODE

COMPLIANCE MONITORING
Yes No

POPULATION SERVED
Variable

SOURCE WATER
Drinking water

OF CONTAINERS

COLLECTION

SAMPLING SITE

TEST NAME

SAMPLE REMARKS

CHLORINATED
YES NO

TURNAROUND TIME

LAB Number	DATE		TIME		SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED		# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
	DATE	TIME	AM	PM				YES	NO			
<u>3794300</u>	<u>10/5/17</u>	<u>0850</u>	<input checked="" type="checkbox"/>		<u>GAC Influent</u>	<u>PFC, 12</u>	<u>OR=A</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>2</u>	<u>02</u>	<u>30</u>
<u>301</u>	<u>10/5/17</u>	<u>0852</u>	<input checked="" type="checkbox"/>		<u>GAC Midfluent</u>	<u>PFC, 12</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>2</u>	<u>02</u>	
<u>302</u>	<u>10/5/17</u>	<u>0854</u>	<input checked="" type="checkbox"/>		<u>GAC Effluent</u>	<u>PFC, 12</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>2</u>	<u>02</u>	
<u>303</u>	<u>10/5/17</u>	<u>0857</u>	<input checked="" type="checkbox"/>		<u>Field Trip Blank</u>	<u>PFC, 12</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>1</u>	<u>02</u>	
<u>304</u>	<u>9/5/17</u>				<u>Lab Trip Blank</u>	<u>PFC, 12</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>1</u>	<u>02</u>	
6												
7												
8												
9												
10												
11												
12												
13												
14												

RELINQUISHED BY: (Signature)
Christina Amey

DATE 10/5/17

RECEIVED BY: (Signature)

DATE 10/6/17

TIME 1545

LAB COMMENTS

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

RELINQUISHED BY: (Signature)

DATE

RECEIVED BY: (Signature)

DATE

TIME

RELINQUISHED BY: (Signature)

DATE

RECEIVED FOR LABORATORY BY:
DMartins

DATE 10/6/17

TIME 1000

CONDITIONS UPON RECEIPT (check one):
 Iced Wet/Dry Ambient 3.6 °C Upon Receipt N/A

MATRIX CODES:

- DW-DRINKING WATER
- RW-REAGENT WATER
- GW-GROUND WATER
- EW-EXPOSURE WATER
- SW-SURFACE WATER
- PW-POOL WATER
- WW-WASTE WATER

TURN-AROUND TIME (TAT) - SURCHARGES

- SW = Standard Written: (15 working days) 0%
- RV = Rush Verbal: (5 working days) 50%
- RW = Rush Written: (5 working days) 75%

10 Day TAT

- IV* = Immediate Verbal: (3 working days) 100%
- IW* = Immediate Written: (3 working days) 125%
- SP* = Weekend, Holiday CALL
- STAT* = Less than 48 hours CALL

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

* Please call, expedited service not available for all testing

06-LO-F0435 Issue 6.0 Effective Date: 2016-09-20

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.

For us Ebb version 6 Planned