

## 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.

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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*	LA180008	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

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 South Bend, IN 46617  
 Tel: (574) 233-4777  
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 1 800 332 4345

## Laboratory Report

Client: Cary/Apex WTP

Report: 405009

Attn: Rachel Monschein  
 1400 Wimberly Road  
 Apex, NC 27523

Priority: Standard Written

Status: Final

PWS ID: NC0392020

Sample Information					
EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
3839191	Raw Water Entry(Wet Well)	537	12/14/17 12:00	Client	12/15/17 09:45
3839192	Filter Effluent	537	12/14/17 08:15	Client	12/15/17 09:45
3839193	Biofiltration Filter #1	537	12/14/17 10:04	Client	12/15/17 09:45
3839194	Biofiltration Filter #2	537	12/14/17 10:05	Client	12/15/17 09:45
3839195	Biofiltration Filter #3	537	12/14/17 10:07	Client	12/15/17 09:45
3839196	Biofiltration Filter #4	537	12/14/17 10:01	Client	12/15/17 09:45
3839197	Biofiltration Filter #5	537	12/14/17 10:02	Client	12/15/17 09:45
3839198	Jordon Lake Mixer 15ft	537	12/14/17 11:10	Client	12/15/17 09:45

### Report Summary

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 Joseph Mattheis at (574) 233-4777.

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

 Account Manager

Authorized Signature

Title

01/02/2018

Date

Client Name: Cary/Apex WTP

Report #: 405009

Sampling Point: Raw Water Entry(Wet Well)

PWS ID: NC0392020

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid (NEtFC)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid (NMe)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	<b>4.4</b>	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	<b>2.6</b>	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	<b>22</b>	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	<b>3.3</b>	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	<b>34</b>	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	<b>3.2</b>	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	<b>10</b>	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	<b>14</b>	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
13252-13-6	GenX	537	---	5	< 5	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 22:35	3839191
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 22:35	3839191

Sampling Point: Filter Effluent

PWS ID: NC0392020

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid (NEtFC)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid (NMe)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	<b>2.3</b>	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	<b>9.0</b>	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	<b>20</b>	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	<b>3.9</b>	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
13252-13-6	GenX	537	---	5	< 5	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:08	3839192
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:08	3839192

Sampling Point: Biofiltration Filter #1

PWS ID: NC0392020

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid (NEtFC)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid (NMe)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	<b>2.3</b>	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	<b>8.9</b>	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	<b>20</b>	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	<b>4.0</b>	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
13252-13-6	GenX	537	---	5	< 5	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:25	3839193
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:25	3839193

Sampling Point: Biofiltration Filter #2

PWS ID: NC0392020

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid (NEtFC)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid (NMe)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	<b>2.4</b>	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	<b>9.1</b>	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	<b>20</b>	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	<b>4.1</b>	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
13252-13-6	GenX	537	---	5	< 5	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:42	3839194
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:42	3839194

Sampling Point: Biofiltration Filter #3

PWS ID: NC0392020

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid (NEtFC)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid (NMe)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	<b>2.2</b>	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	<b>8.0</b>	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	<b>19</b>	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	<b>3.5</b>	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
13252-13-6	GenX	537	---	5	< 5	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:59	3839195
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/22/17 23:59	3839195

Sampling Point: Biofiltration Filter #4

PWS ID: NC0392020

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid (NEtFC)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid (NMe)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	<b>2.2</b>	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	<b>7.8</b>	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	<b>19</b>	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	<b>3.1</b>	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
13252-13-6	GenX	537	---	5	< 5	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:15	3839196
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:15	3839196

Sampling Point: Biofiltration Filter #5

PWS ID: NC0392020

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid (NEtFC)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid (NMe)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	2.3	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	9.1	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	20	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	4.2	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
13252-13-6	GenX	537	---	5	< 5	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:32	3839197
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:32	3839197

Sampling Point: Jordon Lake Mixer 15ft

PWS ID: NC0392020

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid (NEtFC)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid (NMe)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	4.5	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	2.7	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	21	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	3.3	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	34	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	3.2	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	10	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	14	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
13252-13-6	GenX	537	---	5	< 5	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:49	3839198
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/21/17 07:48	12/23/17 00:49	3839198

† 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

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South Bend, IN 46617  
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Order # 331360-5  
Batch # 405009

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### CHAIN OF CUSTODY RECORD

Shaded area for EEA use only

Page 1 of 1

LAB NUMBER	DATE	COLLECTION		SAMPLER (Signature)	COMPLIANCE MONITORING	POPULATION SERVED	STATE (sample origin)	PROJECT NAME	CHLORINATED		MATRIX CODE	TURNAROUND TIME
		TIME	AM						PM	YES		
3839, 191	12-14-17	12:00	X	Eun Thee	No	NC	NC	Rm 12-14-17	X		DW	SW
192	8:15	X						PFAS's	X			
193	10:04	X						PFAS's	X			
194	10:05	X						PFAS's	X			
195	10:07	X						PFAS's	X			
196	10:01	X						PFAS's	X			
197	10:02	X						PFAS's	X			
198	12-14-17	11:00	X					PFAS's	X		DW	SW

RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME	LAB COMMENTS
Eun Thee	12/14/17	12:38	[Signature]	12/14/17	3:25	LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT  <b>Cross Off on COC by Client</b>
[Signature]	12/14/17	4:30	[Signature]			
[Signature]			[Signature]			

MATRIX CODES:	TURN-AROUND TIME (TAT) - SUBCHARGES	CONDITIONS UPON RECEIPT (check one):
DW-DRINKING WATER RW-REAGENT WATER GW-GROUND WATER EW-EXPOSURE WATER SW-SURFACE WATER PW-POOL WATER WW-WASTE WATER	SW = Standard Written: (15 working days) 0% RV* = Rush Verbal: (5 working days) 50% RW* = Rush Written: (5 working days) 75%	IV* = Immediate Verbal: (3 working days) 100% IW* = Immediate Written: (3 working days) 125% SP* = Weekend, Holiday CALL STAT* = Less than 48 hours CALL

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.

\* Please call, expedited service not available for all testing

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



### Eurofins Eaton Analytical

#### Run Log

Run ID: 238047 Method: 537

Type	Sample Id	Sample Site	Matrix	Instrument ID	Analysis Date	Calibration File
CCL	3842278		OS	FL	12/22/2017 18:23	122217M537a-FL-PFC-Ext.mdb
LRB	3842266		RW	FL	12/22/2017 18:57	122217M537a-FL-PFC-Ext.mdb
FBL	3842267		RW	FL	12/22/2017 19:13	122217M537a-FL-PFC-Ext.mdb
FS	3839191	Raw Water Entry(Wet Well)	DW	FL	12/22/2017 22:35	122217M537a-FL-PFC-Ext.mdb
CCM	3842279		OS	FL	12/22/2017 22:51	122217M537a-FL-PFC-Ext.mdb
FS	3839192	Filter Effluent	DW	FL	12/22/2017 23:08	122217M537a-FL-PFC-Ext.mdb
FS	3839193	Biofiltration Filter #1	DW	FL	12/22/2017 23:25	122217M537a-FL-PFC-Ext.mdb
FS	3839194	Biofiltration Filter #2	DW	FL	12/22/2017 23:42	122217M537a-FL-PFC-Ext.mdb
FS	3839195	Biofiltration Filter #3	DW	FL	12/22/2017 23:59	122217M537a-FL-PFC-Ext.mdb
FS	3839196	Biofiltration Filter #4	DW	FL	12/23/2017 00:15	122217M537a-FL-PFC-Ext.mdb
FS	3839197	Biofiltration Filter #5	DW	FL	12/23/2017 00:32	122217M537a-FL-PFC-Ext.mdb
FS	3839198	Jordon Lake Mixer 15ft	DW	FL	12/23/2017 00:49	122217M537a-FL-PFC-Ext.mdb
CCH	3842280		OS	FL	12/23/2017 01:56	122217M537a-FL-PFC-Ext.mdb

# QC Summary Report

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCL	IS-NiMeFOSAA-43	537	N/A	---		426389.00	426389	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	IS-PFOA-13C2	537	N/A	---		1433090.00	1433090	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	IS-PFOS-13C4	537	N/A	---		234001.00	234001	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	IS-GenX-13C3	537	N/A	---		6999.77	6999.77	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	SS-NEIFOSAA-45	537	N/A	---		203.8190	200	ng/L	102	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	SS-PFDA-13C2	537	N/A	---		100.5870	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	SS-PFHXA-13C2	537	N/A	---		50.5910	50.0	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	yl Perfluorooctanesulfonamidoacetic acid (NEiFO)	537	2.0	---		2.3398	2.0	ng/L	117	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	yl Perfluorooctanesulfonamidoacetic acid (NMeFi)	537	2.0	---		2.3185	2.0	ng/L	116	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		1.9413	2.0	ng/L	97	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	Perfluorodecanoic acid (PFDA)	537	2.0	---		2.1380	2.0	ng/L	107	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	Perfluorheptanoic acid (PFHpA)	537	2.0	---		1.9860	2.0	ng/L	99	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		1.9413	2.0	ng/L	97	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	Perfluorohexanoic acid (PFHxA)	537	2.0	---		2.0675	2.0	ng/L	103	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	Perfluorolauric acid (PFDoA)	537	2.0	---		2.2498	2.0	ng/L	112	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	Perfluoromyristic acid (PFTrA)	537	2.0	---		2.2452	2.0	ng/L	112	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	Perfluorononanoic acid (PFNA)	537	2.0	---		2.0729	2.0	ng/L	104	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	Perfluorooctane sulfonate (PFOS)	537	2.0	---		2.0650	2.0	ng/L	103	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	Perfluorooctanoic acid (PFOA)	537	2.0	---		2.0502	2.0	ng/L	103	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		2.2624	2.0	ng/L	113	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
CCL	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		2.1379	2.0	ng/L	107	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 18:23	3842278
LRB	IS-NiMeFOSAA-43	537	N/A	---		491456.00	426389	ng/L	115	50 - 150	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	IS-PFOA-13C2	537	N/A	---		1627490.00	1433090	ng/L	114	50 - 150	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	IS-PFOS-13C4	537	N/A	---		265651.00	234001	ng/L	114	50 - 150	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	IS-GenX-13C3	537	N/A	---		8139.27	6999.77	ng/L	116	50 - 150	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	SS-NEIFOSAA-45	537	N/A	---		139.7100	200	ng/L	81	70 - 130	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	SS-PFDA-13C2	537	N/A	---		77.4123	100	ng/L	90	70 - 130	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	SS-PFHXA-13C2	537	N/A	---		38.3905	50.0	ng/L	89	70 - 130	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	yl Perfluorooctanesulfonamidoacetic acid (NEiFO)	537	2.0	---		2.0	2.0	ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	yl Perfluorooctanesulfonamidoacetic acid (NMeFi)	537	2.0	---		2.0	2.0	ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		2.0	2.0	ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	Perfluorodecanoic acid (PFDA)	537	2.0	---		2.0	2.0	ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	Perfluorheptanoic acid (PFHpA)	537	2.0	---		2.0	2.0	ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		2.0	2.0	ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	Perfluorohexanoic acid (PFHxA)	537	2.0	---		2.0	2.0	ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	Perfluorolauric acid (PFDoA)	537	2.0	---		2.0	2.0	ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	Perfluoromyristic acid (PFTrA)	537	2.0	---		2.0	2.0	ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	Perfluorononanoic acid (PFNA)	537	2.0	---		2.0	2.0	ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	Perfluorooctane sulfonate (PFOS)	537	2.0	---		2.0	2.0	ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	Perfluorooctanoic acid (PFOA)	537	2.0	---		2.0	2.0	ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
LRB	Perfluorodecanoic acid (PFTrDA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
LRB	Perfluoroundecanoic acid (PFUnA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 18:57	3842266
FBL	IS-NMeFOSAA-43	537	N/A	---		469373.00	426389	ng/L	110	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	IS-PFOA-13C2	537	N/A	---		1556500.00	1433090	ng/L	109	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	IS-PFOS-13C4	537	N/A	---		254872.00	234001	ng/L	109	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	IS-GenX-13C3	537	N/A	---		7436.29	6999.77	ng/L	106	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	SS-NEIFOSAA-45	537	N/A	---		175.4150	200	ng/L	88	70 - 130	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	SS-PFDA-13C2	537	N/A	---		94.5289	100	ng/L	95	70 - 130	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	SS-PFHXA-13C2	537	N/A	---		47.7381	50.0	ng/L	95	70 - 130	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	y Perfluorooctanesulfonamidoacetic acid (NEIFO)	537	2.0	---		1.7604	2.0	ng/L	88	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	y Perfluorooctanesulfonamidoacetic acid (NMeF)	537	2.0	---		1.6792	2.0	ng/L	84	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		1.9123	2.0	ng/L	96	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	Perfluorodecanoic acid (PFDA)	537	2.0	---		1.9345	2.0	ng/L	97	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		1.9162	2.0	ng/L	96	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		1.9215	2.0	ng/L	96	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	Perfluorohexanoic acid (PFHxA)	537	2.0	---		1.9909	2.0	ng/L	100	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	Perfluorolauric acid (PFDoA)	537	2.0	---		1.8151	2.0	ng/L	91	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	Perfluoromyristic acid (PFTA)	537	2.0	---		1.8288	2.0	ng/L	91	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	Perfluorononanoic acid (PFNA)	537	2.0	---		1.9564	2.0	ng/L	98	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	Perfluorooctane sulfonate (PFOS)	537	2.0	---		1.8722	2.0	ng/L	94	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	Perfluorooctanoic acid (PFOA)	537	2.0	---		1.9862	2.0	ng/L	99	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	Perfluorodecanoic acid (PFTrDA)	537	2.0	---		1.8397	2.0	ng/L	92	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FBL	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		1.9468	2.0	ng/L	97	50 - 150	---	---	1.0	12/21/2017 07:48	12/22/2017 19:13	3842267
FS	IS-NMeFOSAA-43	537	N/A	Raw Water Entry(Wet Well)		519467.00	426389	ng/L	122	50 - 150	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	IS-PFOA-13C2	537	N/A	Raw Water Entry(Wet Well)		1821260.00	1433090	ng/L	127	50 - 150	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	IS-PFOS-13C4	537	N/A	Raw Water Entry(Wet Well)		294352.00	234001	ng/L	126	50 - 150	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	IS-GenX-13C3	537	N/A	Raw Water Entry(Wet Well)		9205.60	6999.77	ng/L	132	50 - 150	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	SS-NEIFOSAA-45	537	N/A	Raw Water Entry(Wet Well)		157.3300	200	ng/L	89	70 - 130	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	SS-PFDA-13C2	537	N/A	Raw Water Entry(Wet Well)		79.5421	100	ng/L	90	70 - 130	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	SS-PFHXA-13C2	537	N/A	Raw Water Entry(Wet Well)		45.0703	50.0	ng/L	102	70 - 130	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	y Perfluorooctanesulfonamidoacetic acid (NEIFO)	537	2.0	Raw Water Entry(Wet Well)	<	2.0		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	y Perfluorooctanesulfonamidoacetic acid (NMeF)	537	2.0	Raw Water Entry(Wet Well)	<	2.0		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Raw Water Entry(Wet Well)		4.4		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Raw Water Entry(Wet Well)		2.6		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Raw Water Entry(Wet Well)		22		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Raw Water Entry(Wet Well)		3.3		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Raw Water Entry(Wet Well)		34		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	Perfluorolauric acid (PFDoA)	537	2.0	Raw Water Entry(Wet Well)	<	2.0		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	Perfluoromyristic acid (PFTA)	537	2.0	Raw Water Entry(Wet Well)	<	2.0		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	Perfluorononanoic acid (PFNA)	537	2.0	Raw Water Entry(Wet Well)		3.2		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	Perfluorooctane sulfonate (PFOS)	537	2.0	Raw Water Entry(Wet Well)		10		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Raw Water Entry(Wet Well)		14		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	Perfluorotridecanoic acid (PFTDA)	537	2.0	Raw Water Entry(Wet Well)	<	2.0		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Raw Water Entry(Wet Well)	<	2.0		ng/L	---	---	---	---	0.88	12/21/2017 07:48	12/22/2017 22:35	3839191
CCM	IS-NMeFOSAA-43	537	N/A	---		465678.00	465678	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	IS-PFOA-13C2	537	N/A	---		1593890.00	1593890	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	IS-PFOS-13C4	537	N/A	---		258404.00	258404	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	IS-GenX-13C3	537	N/A	---		7671.17	7671.17	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	SS-NEIFOSAA-45	537	N/A	---		199.1890	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	SS-PFDA-13C2	537	N/A	---		99.0653	100	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	SS-PFHXA-13C2	537	N/A	---		49.6167	50.0	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	y Perfluorooctanesulfonamidoacetic acid (NEIFO)	537	2.0	---		100.9560	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	y Perfluorooctanesulfonamidoacetic acid (NMeFI)	537	2.0	---		100.9510	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		100.1410	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	Perfluorodecanoic acid (PFDA)	537	2.0	---		100.3580	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		100.9350	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		100.8920	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	Perfluorohexanoic acid (PFHxA)	537	2.0	---		100.5600	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	Perfluorolauric acid (PFDA)	537	2.0	---		99.7328	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	Perfluoromyristic acid (PFMA)	537	2.0	---		98.7331	100	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	Perfluorononanoic acid (PFNA)	537	2.0	---		101.1580	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	Perfluorooctane sulfonate (PFOS)	537	2.0	---		101.8240	100	ng/L	102	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	Perfluorooctanoic acid (PFOA)	537	2.0	---		99.7173	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		99.4173	100	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
CCM	Perfluorodecanoic acid (PFDA)	537	2.0	---		99.2799	100	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/22/2017 22:51	3842279
FS	IS-NMeFOSAA-43	537	N/A	Filter Effluent		498752.00	465678	ng/L	107	50 - 150	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	IS-PFOA-13C2	537	N/A	Filter Effluent		1689450.00	1593890	ng/L	106	50 - 150	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	IS-PFOS-13C4	537	N/A	Filter Effluent		276544.00	258404	ng/L	107	50 - 150	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	IS-GenX-13C3	537	N/A	Filter Effluent		8257.45	7671.17	ng/L	108	50 - 150	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	SS-NEIFOSAA-45	537	N/A	Filter Effluent		143.4350	200	ng/L	83	70 - 130	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	SS-PFDA-13C2	537	N/A	Filter Effluent		78.8082	100	ng/L	92	70 - 130	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	SS-PFHXA-13C2	537	N/A	Filter Effluent		41.7442	50.0	ng/L	97	70 - 130	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	y Perfluorooctanesulfonamidoacetic acid (NEIFO)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	y Perfluorooctanesulfonamidoacetic acid (NMeFI)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Filter Effluent		2.3		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Filter Effluent		9.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Filter Effluent		20		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	Perfluorolauric acid (PFDA)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	Perfluoromyristic acid (PFMA)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	Perfluorononanoic acid (PFNA)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
FS	Perfluorooctane sulfonate (PFOS)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Filter Effluent		3.9		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	Perfluorodecanoic acid (PFTrDA)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:08	3839192
FS	IS-NMeFOSAA-43	537	N/A	Biofiltration Filter #1		516196.00	465678	ng/L	111	50 - 150	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	IS-PFOA-13C2	537	N/A	Biofiltration Filter #1		1741140.00	1593890	ng/L	109	50 - 150	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	IS-PFOS-13C4	537	N/A	Biofiltration Filter #1		284019.00	258404	ng/L	110	50 - 150	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	IS-GenX-13C3	537	N/A	Biofiltration Filter #1		8236.45	7671.17	ng/L	107	50 - 150	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	SS-NEFOSAA-45	537	N/A	Biofiltration Filter #1		140.8860	200	ng/L	84	70 - 130	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	SS-PFDA-13C2	537	N/A	Biofiltration Filter #1		76.1745	100	ng/L	91	70 - 130	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	SS-PFHXA-13C2	537	N/A	Biofiltration Filter #1		39.9120	50.0	ng/L	95	70 - 130	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	y  Perfluorooctanesulfonamidoacetic acid (NEiFO)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	y  Perfluorooctanesulfonamidoacetic acid (NMeFi)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Biofiltration Filter #1		2.3		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Biofiltration Filter #1		8.9		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Biofiltration Filter #1		20		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	Perfluorolauric acid (PFDoA)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	Perfluoromyristic acid (PFTrA)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	Perfluorononanoic acid (PFNA)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	Perfluorooctane sulfonate (PFOS)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Biofiltration Filter #1	<	4.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	Perfluorodecanoic acid (PFTrDA)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:25	3839193
FS	IS-NMeFOSAA-43	537	N/A	Biofiltration Filter #2		501891.00	465678	ng/L	108	50 - 150	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	IS-PFOA-13C2	537	N/A	Biofiltration Filter #2		1712960.00	1593890	ng/L	107	50 - 150	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	IS-PFOS-13C4	537	N/A	Biofiltration Filter #2		277112.00	258404	ng/L	107	50 - 150	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	IS-GenX-13C3	537	N/A	Biofiltration Filter #2		7951.81	7671.17	ng/L	104	50 - 150	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	SS-NEFOSAA-45	537	N/A	Biofiltration Filter #2		149.0260	200	ng/L	87	70 - 130	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	SS-PFDA-13C2	537	N/A	Biofiltration Filter #2		78.5940	100	ng/L	91	70 - 130	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	SS-PFHXA-13C2	537	N/A	Biofiltration Filter #2		41.0742	50.0	ng/L	96	70 - 130	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	y  Perfluorooctanesulfonamidoacetic acid (NEiFO)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	y  Perfluorooctanesulfonamidoacetic acid (NMeFi)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Biofiltration Filter #2		2.4		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Biofiltration Filter #2		9.1		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Biofiltration Filter #2		20		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	Perfluorolauric acid (PFDoA)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	Perfluoromyristic acid (PFTrA)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
FS	Perfluorooctanoic acid (PFNA)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	Perfluorooctane sulfonate (PFOS)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Biofiltration Filter #2	<	4.1		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	Perfluorotridecanoic acid (PFTDA)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.86	12/21/2017 07:48	12/22/2017 23:42	3839194
FS	IS-NMeFOSAA-43	537	N/A	Biofiltration Filter #3		516202.00	465678	ng/L	111	50 - 150	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	IS-PFOA-13C2	537	N/A	Biofiltration Filter #3		1756310.00	1593890	ng/L	110	50 - 150	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	IS-PFOS-13C4	537	N/A	Biofiltration Filter #3		282769.00	258404	ng/L	109	50 - 150	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	IS-GenX-13C3	537	N/A	Biofiltration Filter #3		7999.12	7671.17	ng/L	104	50 - 150	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	SS-NEFOSAA-45	537	N/A	Biofiltration Filter #3		139.1000	200	ng/L	83	70 - 130	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	SS-PFDA-13C2	537	N/A	Biofiltration Filter #3		73.4576	100	ng/L	87	70 - 130	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	SS-PFHXA-13C2	537	N/A	Biofiltration Filter #3		39.1498	50.0	ng/L	93	70 - 130	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	y Perfluorooctanesulfonamidoacetic acid (NEiFO)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	y Perfluorooctanesulfonamidoacetic acid (NMeFi)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Biofiltration Filter #3		2.2		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Biofiltration Filter #3	<	8.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Biofiltration Filter #3	<	19		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	Perfluorolauric acid (PFDA)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	Perfluoromyristic acid (PFMA)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	Perfluorooctanoic acid (PFNA)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	Perfluorooctane sulfonate (PFOS)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Biofiltration Filter #3	<	3.5		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	Perfluorotridecanoic acid (PFTDA)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/22/2017 23:59	3839195
FS	IS-NMeFOSAA-43	537	N/A	Biofiltration Filter #4		490097.00	465678	ng/L	105	50 - 150	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	IS-PFOA-13C2	537	N/A	Biofiltration Filter #4		1707230.00	1593890	ng/L	107	50 - 150	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	IS-PFOS-13C4	537	N/A	Biofiltration Filter #4		276776.00	258404	ng/L	107	50 - 150	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	IS-GenX-13C3	537	N/A	Biofiltration Filter #4		8301.69	7671.17	ng/L	108	50 - 150	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	SS-NEFOSAA-45	537	N/A	Biofiltration Filter #4		150.3240	200	ng/L	88	70 - 130	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	SS-PFDA-13C2	537	N/A	Biofiltration Filter #4		78.0757	100	ng/L	92	70 - 130	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	SS-PFHXA-13C2	537	N/A	Biofiltration Filter #4		40.7257	50.0	ng/L	96	70 - 130	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	y Perfluorooctanesulfonamidoacetic acid (NEiFO)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	y Perfluorooctanesulfonamidoacetic acid (NMeFi)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Biofiltration Filter #4	<	2.2		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Biofiltration Filter #4	<	7.8		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Biofiltration Filter #4	<	19		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	Perfluorolauric acid (PFDA)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
FS	Perfluoromyristic acid (PFTA)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	Perfluoromonanoic acid (PFNA)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	Perfluorooctane sulfonate (PFOS)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Biofiltration Filter #4	<	3.1		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	Perfluorodecanoic acid (PFTDA)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.85	12/21/2017 07:48	12/23/2017 00:15	3839196
FS	IS-NMeFOSAA-43	537	N/A	Biofiltration Filter #5		521447.00	465678	ng/L	112	50 - 150	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	IS-PFOA-13C2	537	N/A	Biofiltration Filter #5		1766300.00	1593890	ng/L	111	50 - 150	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	IS-PFOS-13C4	537	N/A	Biofiltration Filter #5		287632.00	258404	ng/L	111	50 - 150	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	IS-GenX-13C3	537	N/A	Biofiltration Filter #5		8274.46	7671.17	ng/L	108	50 - 150	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	SS-NEFOSAA-45	537	N/A	Biofiltration Filter #5		143.7190	200	ng/L	86	70 - 130	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	SS-PFDA-13C2	537	N/A	Biofiltration Filter #5		76.7053	100	ng/L	91	70 - 130	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	SS-PFHxA-13C2	537	N/A	Biofiltration Filter #5		40.4388	50.0	ng/L	96	70 - 130	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	y Perfluorooctanesulfonamidoacetic acid (NEiFO)	537	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	y Perfluorooctanesulfonamidoacetic acid (NMeFi)	537	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Biofiltration Filter #5	<	2.3		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Biofiltration Filter #5	<	9.1		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Biofiltration Filter #5	<	20		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	Perfluorolauric acid (PFDoA)	537	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	Perfluoromyristic acid (PFTA)	537	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	Perfluoromonanoic acid (PFNA)	537	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	Perfluorooctane sulfonate (PFOS)	537	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Biofiltration Filter #5	<	4.2		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	Perfluorodecanoic acid (PFTDA)	537	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.84	12/21/2017 07:48	12/23/2017 00:32	3839197
FS	IS-NMeFOSAA-43	537	N/A	Jordon Lake Mixer 15ft		506976.00	465678	ng/L	109	50 - 150	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	IS-PFOA-13C2	537	N/A	Jordon Lake Mixer 15ft		1776930.00	1593890	ng/L	111	50 - 150	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	IS-PFOS-13C4	537	N/A	Jordon Lake Mixer 15ft		289019.00	258404	ng/L	112	50 - 150	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	IS-GenX-13C3	537	N/A	Jordon Lake Mixer 15ft		8585.82	7671.17	ng/L	112	50 - 150	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	SS-NEFOSAA-45	537	N/A	Jordon Lake Mixer 15ft		169.7270	200	ng/L	87	70 - 130	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	SS-PFDA-13C2	537	N/A	Jordon Lake Mixer 15ft		87.5242	100	ng/L	90	70 - 130	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	SS-PFHxA-13C2	537	N/A	Jordon Lake Mixer 15ft		49.1577	50.0	ng/L	101	70 - 130	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	y Perfluorooctanesulfonamidoacetic acid (NEiFO)	537	2.0	Jordon Lake Mixer 15ft	<	2.0		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	y Perfluorooctanesulfonamidoacetic acid (NMeFi)	537	2.0	Jordon Lake Mixer 15ft	<	2.0		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Jordon Lake Mixer 15ft		4.5		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Jordon Lake Mixer 15ft		2.7		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Jordon Lake Mixer 15ft		21		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Jordon Lake Mixer 15ft		3.3		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Jordon Lake Mixer 15ft		34		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198



QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
FS	Perfluorolauric acid (PFDoA)	537	2.0	Jordon Lake Mixer 15ft	<	2.0		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	Perfluoromyristic acid (PFTA)	537	2.0	Jordon Lake Mixer 15ft	<	2.0		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	Perfluorononanoic acid (PFNA)	537	2.0	Jordon Lake Mixer 15ft		3.2		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	Perfluorooctane sulfonate (PFOS)	537	2.0	Jordon Lake Mixer 15ft		10		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Jordon Lake Mixer 15ft		14		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	Perfluorotridecanoic acid (PFTrDA)	537	2.0	Jordon Lake Mixer 15ft	<	2.0		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Jordon Lake Mixer 15ft	<	2.0		ng/L	---	---	---	---	0.97	12/21/2017 07:48	12/23/2017 00:49	3839198
CCH	IS-NiMeFOSAAA-43	537	N/A	---		472501.00	472501	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	IS-PFOA-13C2	537	N/A	---		1648030.00	1648030	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	IS-PFOS-13C4	537	N/A	---		267711.00	267711	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	IS-GenX-13C3	537	N/A	---		8045.04	8045.04	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	SS-NEIFOSAAA-45	537	N/A	---		200.4380	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	SS-PFDA-13C2	537	N/A	---		98.3799	100	ng/L	98	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	SS-PFHXA-13C2	537	N/A	---		49.7682	50.0	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	yl Perfluorooctanesulfonamidooctanoic acid (NEIFO)	537	2.0	---		204.4100	200	ng/L	102	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	yl Perfluorooctanesulfonamidooctanoic acid (NMeFI)	537	2.0	---		201.2540	200	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		199.5800	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	Perfluorodecanoic acid (PFDA)	537	2.0	---		199.1350	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		200.4290	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		202.2940	200	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	Perfluorohexanoic acid (PFHxA)	537	2.0	---		200.8520	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	Perfluorolauric acid (PFDoA)	537	2.0	---		196.5860	200	ng/L	98	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	Perfluoromyristic acid (PFTA)	537	2.0	---		194.6870	200	ng/L	97	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	Perfluorononanoic acid (PFNA)	537	2.0	---		201.1170	200	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	Perfluorooctane sulfonate (PFOS)	537	2.0	---		202.1360	200	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	Perfluorooctanoic acid (PFOA)	537	2.0	---		201.2750	200	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		195.5640	200	ng/L	98	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280
CCH	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		197.9560	200	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 01:56	3842280



### Eurofins Eaton Analytical

#### Run Log

Run ID: 238084 Method: 537

Type	Sample Id	Sample Site	Matrix	Instrument ID	Analysis Date	Calibration File
CCL	3842468		OS	FL	12/23/2017 04:10	122317M537a-FL-PFC-Ext.mdb
LRB	3842459		RW	FL	12/23/2017 04:44	122317M537a-FL-PFC-Ext.mdb
RLC	3843230		RW	FL	12/23/2017 05:01	122317M537a-FL-PFC-Ext.mdb
FBM	3842460		RW	FL	12/23/2017 05:17	122317M537a-FL-PFC-Ext.mdb
CCM	3842469		OS	FL	12/23/2017 10:20	122317M537a-FL-PFC-Ext.mdb
CCH	3842470		OS	FL	12/23/2017 11:10	122317M537a-FL-PFC-Ext.mdb
CCM	3843420		OS	FL	12/23/2017 13:36	122317M537a-FL-PFC-Ext.mdb

# QC Summary Report

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCL	IS-NiMeFOSAA-43	537	N/A	---		473622.00	473622	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	IS-PFOA-13C2	537	N/A	---		1621860.00	1621860	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	IS-PFOS-13C4	537	N/A	---		260893.00	260893	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	IS-GenX-13C3	537	N/A	---		7785.54	7785.54	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	SS-NEIFOSAA-45	537	N/A	---		203.4220	200	ng/L	102	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	SS-PFDA-13C2	537	N/A	---		100.7910	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	SS-PFHXA-13C2	537	N/A	---		50.1356	50.0	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	y  Perfluorooctanesulfonamidoacetic acid (NEiFO)	537	2.0	---		2.2236	2.0	ng/L	111	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	y  Perfluorooctanesulfonamidoacetic acid (NMeFi)	537	2.0	---		2.0996	2.0	ng/L	105	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		1.9882	2.0	ng/L	99	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	Perfluorodecanoic acid (PFDA)	537	2.0	---		2.0885	2.0	ng/L	104	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	Perfluorheptanoic acid (PFHpA)	537	2.0	---		1.9602	2.0	ng/L	98	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		2.0116	2.0	ng/L	101	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	Perfluorohexanoic acid (PFHxA)	537	2.0	---		2.0163	2.0	ng/L	101	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	Perfluorolauric acid (PFDoA)	537	2.0	---		2.1582	2.0	ng/L	108	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	Perfluoromyristic acid (PFTrA)	537	2.0	---		2.1903	2.0	ng/L	110	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	Perfluorononanoic acid (PFNA)	537	2.0	---		2.0580	2.0	ng/L	103	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	Perfluorooctane sulfonate (PFOS)	537	2.0	---		2.1055	2.0	ng/L	105	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	Perfluorooctanoic acid (PFOA)	537	2.0	---		2.0549	2.0	ng/L	103	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		2.2026	2.0	ng/L	110	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
CCL	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		2.1808	2.0	ng/L	109	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 04:10	3842468
LRB	IS-NiMeFOSAA-43	537	N/A	---		554910.00	473622	ng/L	117	50 - 150	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	IS-PFOA-13C2	537	N/A	---		1912770.00	1621860	ng/L	118	50 - 150	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	IS-PFOS-13C4	537	N/A	---		309522.00	260893	ng/L	119	50 - 150	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	IS-GenX-13C3	537	N/A	---		8842.09	7785.54	ng/L	114	50 - 150	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	SS-NEIFOSAA-45	537	N/A	---		157.9710	200	ng/L	84	70 - 130	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	SS-PFDA-13C2	537	N/A	---		84.7386	100	ng/L	90	70 - 130	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	SS-PFHXA-13C2	537	N/A	---		42.0932	50.0	ng/L	90	70 - 130	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	y  Perfluorooctanesulfonamidoacetic acid (NEiFO)	537	2.0	---		2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	y  Perfluorooctanesulfonamidoacetic acid (NMeFi)	537	2.0	---		2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	Perfluorodecanoic acid (PFDA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	Perfluorheptanoic acid (PFHpA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	Perfluorohexanoic acid (PFHxA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	Perfluorolauric acid (PFDoA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	Perfluoromyristic acid (PFTrA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	Perfluorononanoic acid (PFNA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	Perfluorooctane sulfonate (PFOS)	537	2.0	---		2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	Perfluorooctanoic acid (PFOA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
LRB	Perfluorodecanoic acid (PFTrDA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
LRB	Perfluoroundecanoic acid (PFUnA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.94	12/21/2017 08:03	12/23/2017 04:44	3842459
RLC	IS-NMeFOSAA-43	537	N/A	---		521366.00	473622	ng/L	110	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	IS-PFOA-13C2	537	N/A	---		1766580.00	1621860	ng/L	109	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	IS-PFOS-13C4	537	N/A	---		286395.00	260893	ng/L	110	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	IS-GenX-13C3	537	N/A	---		8353.00	7785.54	ng/L	107	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	SS-NEIFOSAA-45	537	N/A	---		175.6310	200	ng/L	88	70 - 130	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	SS-PFDA-13C2	537	N/A	---		92.8468	100	ng/L	93	70 - 130	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	SS-PFHXA-13C2	537	N/A	---		47.6693	50.0	ng/L	95	70 - 130	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	y Perfluorooctanesulfonamidoacetic acid (NEIFO)	537	2.0	---		1.7166	2.0	ng/L	86	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	y Perfluorooctanesulfonamidoacetic acid (NMeF)	537	2.0	---		1.7597	2.0	ng/L	88	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		1.8957	2.0	ng/L	95	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	Perfluorodecanoic acid (PFDA)	537	2.0	---		1.8841	2.0	ng/L	94	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		1.9082	2.0	ng/L	95	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		1.9182	2.0	ng/L	96	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	Perfluorohexanoic acid (PFHxA)	537	2.0	---		1.9966	2.0	ng/L	100	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	Perfluorolauric acid (PFDoA)	537	2.0	---		1.7889	2.0	ng/L	89	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	Perfluoromyristic acid (PFTrA)	537	2.0	---		1.7934	2.0	ng/L	90	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	Perfluorononanoic acid (PFNA)	537	2.0	---		1.9159	2.0	ng/L	96	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	Perfluorooctane sulfonate (PFOS)	537	2.0	---		1.9044	2.0	ng/L	95	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	Perfluorooctanoic acid (PFTrDA)	537	2.0	---		1.9726	2.0	ng/L	99	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		1.8457	2.0	ng/L	92	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
RLC	Perfluorodecanoic acid (PFUnA)	537	2.0	---		1.8229	2.0	ng/L	91	50 - 150	---	---	1.0	12/21/2017 07:48	12/23/2017 05:01	3843230
FBM	IS-NMeFOSAA-43	537	N/A	---		547970.00	473622	ng/L	116	50 - 150	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	IS-PFOA-13C2	537	N/A	---		1889050.00	1621860	ng/L	116	50 - 150	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	IS-PFOS-13C4	537	N/A	---		304947.00	260893	ng/L	117	50 - 150	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	IS-GenX-13C3	537	N/A	---		8791.66	7785.54	ng/L	113	50 - 150	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	SS-NEIFOSAA-45	537	N/A	---		178.4130	200	ng/L	89	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	SS-PFDA-13C2	537	N/A	---		92.8517	100	ng/L	93	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	SS-PFHXA-13C2	537	N/A	---		47.2074	50.0	ng/L	94	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	y Perfluorooctanesulfonamidoacetic acid (NEIFO)	537	2.0	---		86.1739	100	ng/L	86	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	y Perfluorooctanesulfonamidoacetic acid (NMeF)	537	2.0	---		87.7173	100	ng/L	88	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		91.2173	100	ng/L	91	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	Perfluorodecanoic acid (PFDA)	537	2.0	---		89.1669	100	ng/L	89	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		90.7872	100	ng/L	91	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		91.3065	100	ng/L	91	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	Perfluorohexanoic acid (PFHxA)	537	2.0	---		90.5283	100	ng/L	91	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	Perfluorolauric acid (PFDoA)	537	2.0	---		86.1206	100	ng/L	86	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	Perfluoromyristic acid (PFTrA)	537	2.0	---		82.1993	100	ng/L	82	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	Perfluorononanoic acid (PFNA)	537	2.0	---		90.0185	100	ng/L	90	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	Perfluorooctane sulfonate (PFOS)	537	2.0	---		89.5356	100	ng/L	90	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
FBM	Perfluorooctanoic acid (PFOA)	537	2.0	---		91.3898	100	ng/L	91	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	Perfluorotridecanoic acid (PFTDA)	537	2.0	---		85.0108	100	ng/L	85	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
FBM	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		88.1831	100	ng/L	88	70 - 130	---	---	1.0	12/21/2017 08:03	12/23/2017 05:17	3842460
CCM	IS-NMeFOSAA-43	537	N/A	---		486128.00	486128	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	IS-PFOA-13C2	537	N/A	---		1659950.00	1659950	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	IS-PFOS-13C4	537	N/A	---		272685.00	272685	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	IS-GenX-13C3	537	N/A	---		8236.61	8236.61	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	SS-NEFOSAA-45	537	N/A	---		202.7780	200	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	SS-PFDA-13C2	537	N/A	---		99.3769	100	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	SS-PFHXA-13C2	537	N/A	---		49.4070	50.0	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	Perfluorooctanesulfonamidoacetic acid (NEFO)	537	2.0	---		100.9740	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		97.9616	100	ng/L	98	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	Perfluorohexanoic acid (PFHxA)	537	2.0	---		100.6860	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	Perfluorolauric acid (PFDA)	537	2.0	---		100.2960	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	Perfluoromyristic acid (PFMA)	537	2.0	---		101.0050	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	Perfluorooctanoic acid (PFNA)	537	2.0	---		101.0860	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	Perfluorooctane sulfonate (PFOS)	537	2.0	---		98.5332	100	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	Perfluorodecanoic acid (PFDA)	537	2.0	---		100.0640	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	Perfluorotridecanoic acid (PFTDA)	537	2.0	---		101.5880	100	ng/L	102	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCM	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		100.9510	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 10:20	3842469
CCH	IS-NMeFOSAA-43	537	N/A	---		462597.00	462597	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	IS-PFOA-13C2	537	N/A	---		1589060.00	1589060	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	IS-PFOS-13C4	537	N/A	---		259132.00	259132	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	IS-GenX-13C3	537	N/A	---		7706.51	7706.51	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	SS-NEFOSAA-45	537	N/A	---		199.1780	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	SS-PFDA-13C2	537	N/A	---		100.5660	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	SS-PFHXA-13C2	537	N/A	---		49.8974	50.0	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	Perfluorooctanesulfonamidoacetic acid (NEFO)	537	2.0	---		202.8980	200	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		205.8940	200	ng/L	103	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		199.8010	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	Perfluorodecanoic acid (PFDA)	537	2.0	---		202.4940	200	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	Perfluorohexanoic acid (PFHxA)	537	2.0	---		201.6570	200	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		200.0220	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	Perfluorohexanoic acid (PFHxA)	537	2.0	---		203.5160	200	ng/L	102	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	Perfluorolauric acid (PFDA)	537	2.0	---		201.8380	200	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	Perfluoromyristic acid (PFMA)	537	2.0	---		200.3610	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	Perfluorooctanoic acid (PFNA)	537	2.0	---		200.4720	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCH	Perfluorooctane sulfonate (PFOS)	537	2.0	---		199.8250	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	Perfluorooctanoic acid (PFOA)	537	2.0	---		202.1480	200	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	Perfluorotridecanoic acid (PFTDA)	537	2.0	---		200.8560	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCH	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		200.9080	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 11:10	3842470
CCM	IS-NiMeFOSAA-43	537	N/A	---		465693.00	465693	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	IS-PFOA-13C2	537	N/A	---		1607170.00	1607170	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	IS-PFOS-13C4	537	N/A	---		262659.00	262659	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	IS-GenX-13C3	537	N/A	---		7716.60	7716.6	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	SS-NEIFOSAA-45	537	N/A	---		199.8480	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	SS-PFDA-13C2	537	N/A	---		99.6153	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	SS-PFHXA-13C2	537	N/A	---		49.3553	50.0	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	y  Perfluorooctanesulfonamidoacetic acid (NEIFO)	537	2.0	---		101.2860	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	y  Perfluorooctanesulfonamidoacetic acid (NMeFI)	537	2.0	---		101.4910	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		100.3740	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	Perfluorodecanoic acid (PFDA)	537	2.0	---		100.6350	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		100.5150	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		98.9509	100	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	Perfluorohexanoic acid (PFHxA)	537	2.0	---		100.6030	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	Perfluorolauric acid (PFDoA)	537	2.0	---		100.2950	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	Perfluoromyristic acid (PFMA)	537	2.0	---		99.5564	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	Perfluorononanoic acid (PFNA)	537	2.0	---		100.2220	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	Perfluorooctane sulfonate (PFOS)	537	2.0	---		99.3037	100	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	Perfluorooctanoic acid (PFOA)	537	2.0	---		99.9821	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	Perfluorotridecanoic acid (PFTDA)	537	2.0	---		100.7350	100	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420
CCM	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		100.1630	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/23/2017 13:36	3843420



### Eurofins Eaton Analytical

#### Run Log

Run ID: 238089 Method: 537

Type	Sample Id	Sample Site	Matrix	Instrument ID	Analysis Date	Calibration File
CCL	3843727		OS	FL	12/27/2017 20:23	122717M537a-FL-PFC12.mdb
LRB	3843696		RW	FL	12/27/2017 20:56	122717M537a-FL-PFC12.mdb
RLC	3844095		RW	FL	12/27/2017 21:13	122717M537a-FL-PFC12.mdb
FBH	3843701		RW	FL	12/27/2017 21:30	122717M537a-FL-PFC12.mdb
CCH	3843729		OS	FL	12/28/2017 03:56	122717M537a-FL-PFC12.mdb

# QC Summary Report

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCL	IS-PFOA-13C2	537	N/A	---		1653200.00	1653200	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	IS-PFOS-13C4	537	N/A	---		271679.00	271679	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	SS-PFDA-13C2	537	N/A	---		99.6629	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	SS-PFHXA-13C2	537	N/A	---		50.0475	50.0	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		1.9366	2.0	ng/L	97	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	Perfluorodecanoic acid (PFDA)	537	2.0	---		2.0820	2.0	ng/L	104	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		1.9726	2.0	ng/L	99	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		1.9393	2.0	ng/L	97	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	Perfluorohexanoic acid (PFHxA)	537	2.0	---		2.0560	2.0	ng/L	103	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	Perfluorolauric acid (PFDoA)	537	2.0	---		2.0993	2.0	ng/L	105	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	Perfluoromyristic acid (PFTA)	537	2.0	---		2.1617	2.0	ng/L	108	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	Perfluorooctanoic acid (PFNA)	537	2.0	---		2.0077	2.0	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	Perfluorooctane sulfonate (PFOS)	537	2.0	---		2.0593	2.0	ng/L	103	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	Perfluorooctanoic acid (PFOA)	537	2.0	---		2.0357	2.0	ng/L	102	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		2.1475	2.0	ng/L	107	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
CCL	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		2.1083	2.0	ng/L	105	50 - 150	---	---	1.0	12/20/2017 11:40	12/27/2017 20:23	3843727
LRB	IS-PFOA-13C2	537	N/A	---		1816810.00	1653200	ng/L	110	50 - 150	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	IS-PFOS-13C4	537	N/A	---		299051.00	271679	ng/L	110	50 - 150	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	SS-PFDA-13C2	537	N/A	---		77.8547	100	ng/L	89	70 - 130	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	SS-PFHXA-13C2	537	N/A	---		40.7709	50.0	ng/L	94	70 - 130	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		2.0		ng/L	---	---	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	Perfluorodecanoic acid (PFDA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		2.0		ng/L	---	---	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	Perfluorohexanoic acid (PFHxA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	Perfluorolauric acid (PFDoA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	Perfluoromyristic acid (PFTA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	Perfluorooctanoic acid (PFNA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	Perfluorooctane sulfonate (PFOS)	537	2.0	---		2.0		ng/L	---	---	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	Perfluorodecanoic acid (PFOA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
LRB	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		2.0		ng/L	---	---	---	---	0.87	12/27/2017 08:00	12/27/2017 20:56	3843696
RLC	IS-PFOA-13C2	537	N/A	---		1847760.00	1653200	ng/L	112	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	IS-PFOS-13C4	537	N/A	---		301929.00	271679	ng/L	111	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	SS-PFDA-13C2	537	N/A	---		92.3645	100	ng/L	92	70 - 130	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	SS-PFHXA-13C2	537	N/A	---		47.6760	50.0	ng/L	95	70 - 130	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		1.8744	2.0	ng/L	94	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	Perfluorodecanoic acid (PFDA)	537	2.0	---		1.8792	2.0	ng/L	94	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		1.9039	2.0	ng/L	95	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		1.9308	2.0	ng/L	97	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095



## QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
RLC	Perfluorohexanoic acid (PFHxA)	537	2.0	---		1.9762	2.0	ng/L	99	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	Perfluorolauric acid (PFDoA)	537	2.0	---		1.7829	2.0	ng/L	89	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	Perfluoromyristic acid (PFTrA)	537	2.0	---		1.7760	2.0	ng/L	89	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	Perfluorononanoic acid (PFNA)	537	2.0	---		1.8984	2.0	ng/L	95	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	Perfluorooctane sulfonate (PFOS)	537	2.0	---		1.9217	2.0	ng/L	96	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	Perfluorooctanoic acid (PFOA)	537	2.0	---		1.9733	2.0	ng/L	99	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		1.7973	2.0	ng/L	90	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
RLC	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		1.8144	2.0	ng/L	91	50 - 150	---	---	1.0	12/21/2017 07:48	12/27/2017 21:13	3844095
FBH	IS-PFOA-13C2	537	N/A	---		1961800.00	1653200	ng/L	119	50 - 150	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	IS-PFOS-13C4	537	N/A	---		318891.00	271679	ng/L	117	50 - 150	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	SS-PFDA-13C2	537	N/A	---		90.5715	100	ng/L	91	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	SS-PFHxA-13C2	537	N/A	---		46.7714	50.0	ng/L	94	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		181.9500	200	ng/L	91	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	Perfluorodecanoic acid (PFDA)	537	2.0	---		174.6280	200	ng/L	87	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	Perfluorohexanoic acid (PFHxA)	537	2.0	---		181.1920	200	ng/L	91	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		186.1220	200	ng/L	93	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	Perfluorohexanoic acid (PFHxA)	537	2.0	---		179.2850	200	ng/L	90	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	Perfluorolauric acid (PFDoA)	537	2.0	---		163.2850	200	ng/L	82	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	Perfluoromyristic acid (PFTrA)	537	2.0	---		161.3860	200	ng/L	81	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	Perfluorononanoic acid (PFNA)	537	2.0	---		177.5890	200	ng/L	89	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	Perfluorooctane sulfonate (PFOS)	537	2.0	---		181.0650	200	ng/L	91	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	Perfluorooctanoic acid (PFOA)	537	2.0	---		181.6270	200	ng/L	91	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		161.9240	200	ng/L	81	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
FBH	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		168.9850	200	ng/L	84	70 - 130	---	---	1.0	12/27/2017 08:00	12/27/2017 21:30	3843701
CCH	IS-PFOA-13C2	537	N/A	---		1760610.00	1760610	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	IS-PFOS-13C4	537	N/A	---		289953.00	289953	ng/L	100	50 - 150	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	SS-PFDA-13C2	537	N/A	---		100.3330	100	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	SS-PFHxA-13C2	537	N/A	---		49.4077	50.0	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		196.9320	200	ng/L	98	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	Perfluorodecanoic acid (PFDA)	537	2.0	---		199.5490	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	Perfluorohexanoic acid (PFHxA)	537	2.0	---		198.1940	200	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		202.2090	200	ng/L	101	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	Perfluorohexanoic acid (PFHxA)	537	2.0	---		199.5650	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	Perfluorolauric acid (PFDoA)	537	2.0	---		196.2910	200	ng/L	98	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	Perfluoromyristic acid (PFTrA)	537	2.0	---		194.9690	200	ng/L	97	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	Perfluorononanoic acid (PFNA)	537	2.0	---		198.5430	200	ng/L	99	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	Perfluorooctane sulfonate (PFOS)	537	2.0	---		200.8990	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	Perfluorooctanoic acid (PFOA)	537	2.0	---		200.7520	200	ng/L	100	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		195.1180	200	ng/L	98	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729
CCH	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		195.5840	200	ng/L	98	70 - 130	---	---	1.0	12/20/2017 11:40	12/28/2017 03:56	3843729

## Sample Type Key

<u>Type (Abbr.)</u>	<u>Sample Type</u>	<u>Type (Abbr.)</u>	<u>Sample Type</u>
CCH	Continuing Calibration High		
CCL	Continuing Calibration Low		
CCM	Continuing Calibration Mid		
FS	Field Sample		
FBH	Fortified Blank High		
FBL	Fortified Blank Low		
FBM	Fortified Blank Mid		
LRB	Laboratory Reagent Blank		
RLC	Reporting Level Check		

END OF REPORT