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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.

STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Missouri	880
Alaska	IN00035	Montana	CERT0026
Arizona	AZ0432	Nebraska	NE-OS-05-04
Arkansas	IN00035	Nevada	IN00035
California	2920	New Hampshire*	2124
Colorado	IN035	New Jersey*	IN598
Colorado Radiochemistry	IN035	New Mexico	IN00035
Connecticut	PH-0132	New York*	11398
Delaware	IN035	North Carolina	18700
Florida*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon (Primary AB)*	4074-001
Illinois*	200001	Pennsylvania*	68-00466
Illinois Microbiology	17767	Puerto Rico	IN00035
Illinois Radiochemistry	IN00035	Rhode Island	LAO00343
Indiana Chemistry	C-71-01	South Carolina	95005
Indiana Microbiology	M-76-07	South Dakota	IN00035
Iowa	098	Tennessee	TN02973
Kansas*	E-10233	Texas*	T104704187-15-8
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA170006	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
EPA	IN00035		

*NELAP/TNI Recognized Accreditation Bodies

Revision date: 08/28/2017

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Laboratory Report

Client: Cary/Apex WTP

Attn: Rachel Monschein
1400 Wimberly Road
Apex, NC 27523

Report: 404437
Priority: Standard Written
Status: Final
PWS ID: NC0392020

Sample Information

EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
3834755	Raw Water Entry Point(WetWell)	537	12/07/17 09:24	Client	12/08/17 10:15
3834756	Biofiltration Filter #1	537	12/07/17 10:26	Client	12/08/17 10:15
3834757	Biofiltration Filter #2	537	12/07/17 10:28	Client	12/08/17 10:15
3834758	Biofiltration Filter #3	537	12/07/17 10:28	Client	12/08/17 10:15
3834759	Biofiltration Filter #4	537	12/07/17 10:26	Client	12/08/17 10:15
3834760	Filter Effluent	537	12/07/17 10:40	Client	12/08/17 10:15

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.

Authorized Signature | Title: Account Manager | 12/19/2017 Date

Client Name: Cary/Apex WTP
Report #: 404437

Client Name: Cary/Apex WTP Report #: 404437

Sampling Point: Raw Water Entry Point(WetWell) 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 (N	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	**4.9**	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	**3.1**	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	**23**	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	**3.7**	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	**37**	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	**3.5**	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	**11**	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	**16**	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
13252-13-6	GenX	537	---	5	< 5	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:16	3834755
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:16	3834755

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 (N	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	**3.3**	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	**12**	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	**25**	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	**5.9**	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
13252-13-6	GenX	537	---	5	< 5	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:32	3834756
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:32	3834756

Client Name: Cary/Apex WTP Report #: 404437

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 (N	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	**3.4**	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	**12**	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	**25**	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	**5.9**	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
13252-13-6	GenX	537	---	5	< 5	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:49	3834757
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 19:49	3834757

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 (N	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	**3.0**	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	**11**	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	**23**	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	**5.2**	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
13252-13-6	GenX	537	---	5	< 5	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:06	3834758
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:06	3834758

Client Name: Cary/Apex WTP Report #: 404437

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 (N	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	**2.8**	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	**10**	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	**23**	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	**4.4**	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
13252-13-6	GenX	537	---	5	< 5	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:23	3834759
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:23	3834759

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 (N	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	**3.1**	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	**12**	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	**25**	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	**5.6**	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
13252-13-6	GenX	537	---	5	< 5	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
958445-44-8	ADONA	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
73606-19-6	F-53B Major	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:39	3834760
83329-89-9	F-53B Minor	537	---	2.0	< 2.0	ng/L	12/13/17 13:02	12/16/17 20:39	3834760

† 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.

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Batch # 404437

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CHAIN OF CUSTODY RECORD

Page 1 of 1

REPORT TO: Rachel Monschein, 1400 Wimberly Rd, Apex, NC 27523

BILL TO: Town of Cary Finance A.P., P.O Box 8005, Cary, NC 27512-8005

SAMPLER (Signature): Erin Rhee

COMPLIANCE MONITORING: Yes — No: X

PWS ID #: NC0392020

POPULATION SERVED: >100,000

STATE (sample origin): NC

SOURCE WATER: Jordan Lake

PROJECT NAME: PFOA

PO#:

	LAB Number	COLLECTION DATE	COLLECTION TIME	AM	PM	SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	3834755	12-7-17	9:24	X		Raw Water Entry Point (WetWell)	PFOA Testing Cl-ASS			X	2	DW	SW
2		Erin	8:25	X		~~Finished Water Entry Point~~			X		2	DW	SW
3	756		10:26	X		~~Biofilter~~ Biofiltration Filter #1			X		2	DW	SW
4	757		10:28	X		Biofiltration Filter #2				X	2	DW	SW
5	758		10:28	X		Biofiltration Filter #3			X		2	DW	SW
6	759		10:26	X		Biofiltration Filter #4	1 bottle shows time of 1027	SS 12-8-17		X	2	DW	SW
7	760	12-7-17	10:40	X		Filter Effluent			X		2	DW	SW
8													
9													
10							Cross Off on COC by Client						
11													
12													
13													
14													

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
Erin Rhee	12-7-17	11:45 AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM	Stephanie	12-8-17	1015 AM PM

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

LAB COMMENTS

Will use earliest time given

CONDITIONS UPON RECEIPT (check one): X Iced: Wet/Blue ____ Ambient ____ 2.8 °C Upon Receipt ____ N/A

MATRIX CODES:

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

TURN-AROUND TIME (TAT) - SURCHARGES

SW = Standard Written: (15 working days)	0%	IV* = Immediate Verbal: (3 working days)	100%
RV* = Rush Verbal: (5 working days)	50%	IW* =Immediate Written: (3 working days)	125%
RW* = Rush Written: (5 working days)	75%	SP* = Weekend, Holiday	CALL
		STAT* = Less than 48 hours	CALL

* Please call, expedited service not available for all testing

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

Eurofins Eaton Analytical
Run Log

Run ID: **237747** Method: **537**

Type	Sample Id	Sample Site	Matrix	Instrument ID	Analysis Date	Calibration File
CCL	3837055		OS	FL	12/16/2017 13:06	121617M537a-FL-PFC-Ext.mdb
LRB	3837039		RW	FL	12/16/2017 13:40	121617M537a-FL-PFC-Ext.mdb
RLC	3839304		RW	FL	12/16/2017 13:57	121617M537a-FL-PFC-Ext.mdb
FBH	3837040		RW	FL	12/16/2017 14:14	121617M537a-FL-PFC-Ext.mdb
CCM	3837056		OS	FL	12/16/2017 17:52	121617M537a-FL-PFC-Ext.mdb
FS	3834755	Raw Water Entry Point(WetWell)	DW	FL	12/16/2017 19:16	121617M537a-FL-PFC-Ext.mdb
FS	3834756	Biofiltration Filter #1	DW	FL	12/16/2017 19:32	121617M537a-FL-PFC-Ext.mdb
FS	3834757	Biofiltration Filter #2	DW	FL	12/16/2017 19:49	121617M537a-FL-PFC-Ext.mdb
FS	3834758	Biofiltration Filter #3	DW	FL	12/16/2017 20:06	121617M537a-FL-PFC-Ext.mdb
FS	3834759	Biofiltration Filter #4	DW	FL	12/16/2017 20:23	121617M537a-FL-PFC-Ext.mdb
FS	3834760	Filter Effluent	DW	FL	12/16/2017 20:39	121617M537a-FL-PFC-Ext.mdb
CCH	3837058		OS	FL	12/16/2017 20:56	121617M537a-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-NMeFOSAA-d3	537	N/A	---		358632.00	358632	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	IS-PFOA-13C2	537	N/A	---		1256540.00	1256540	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	IS-PFOS-13C4	537	N/A	---		223359.00	223359	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	IS-GenX-13C3	537	N/A	---		5097.72	5097.72	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	SS-NEtFOSAA-d5	537	N/A	---		202.0610	200	ng/L	101	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	SS-PFDA-13C2	537	N/A	---		99.6951	100	ng/L	100	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	SS-PFHxA-13C2	537	N/A	---		49.8698	50.0	ng/L	100	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluorooctanesulfonamidoacetic acid (NEtI	537	2.0	---		2.6019	2.0	ng/L	130	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluorooctanesulfonamidoacetic acid (NM	537	2.0	---		2.3120	2.0	ng/L	116	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		1.9935	2.0	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluorodecanoic acid (PFDA)	537	2.0	---		2.1892	2.0	ng/L	109	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		2.0338	2.0	ng/L	102	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		2.0258	2.0	ng/L	101	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluorohexanoic acid (PFHxA)	537	2.0	---		2.0793	2.0	ng/L	104	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluorolauric acid (PFDoA)	537	2.0	---		2.2523	2.0	ng/L	113	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluoromyristic acid (PFTA)	537	2.0	---		2.2372	2.0	ng/L	112	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluorononanoic acid (PFNA)	537	2.0	---		2.0739	2.0	ng/L	104	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluorooctane sulfonate (PFOS)	537	2.0	---		2.1121	2.0	ng/L	106	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluorooctanoic acid (PFOA)	537	2.0	---		2.0875	2.0	ng/L	104	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		2.2602	2.0	ng/L	113	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
CCL	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		2.1875	2.0	ng/L	109	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 13:06	3837055
LRB	IS-NMeFOSAA-d3	537	N/A	---		361365.00	358632	ng/L	101	50 - 150	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	IS-PFOA-13C2	537	N/A	---		1281390.00	1256540	ng/L	102	50 - 150	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	IS-PFOS-13C4	537	N/A	---		225501.00	223359	ng/L	101	50 - 150	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	IS-GenX-13C3	537	N/A	---		5310.36	5097.72	ng/L	104	50 - 150	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	SS-NEtFOSAA-d5	537	N/A	---		154.8300	200	ng/L	88	70 - 130	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	SS-PFDA-13C2	537	N/A	---		81.2276	100	ng/L	92	70 - 130	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	SS-PFHxA-13C2	537	N/A	---		41.0683	50.0	ng/L	93	70 - 130	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	Perfluorooctanesulfonamidoacetic acid (NEtI	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	Perfluorooctanesulfonamidoacetic acid (NM	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	Perfluorodecanoic acid (PFDA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	Perfluoroheptanoic acid (PFHpA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	Perfluorohexanoic acid (PFHxA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	Perfluorolauric acid (PFDoA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	Perfluoromyristic acid (PFTA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	Perfluorononanoic acid (PFNA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	Perfluorooctane sulfonate (PFOS)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	Perfluorooctanoic acid (PFOA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039

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	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
LRB	Perfluoroundecanoic acid (PFUnA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.88	12/13/2017 13:02	12/16/2017 13:40	3837039
RLC	IS-NMeFOSAA-d3	537	N/A	---		385725.00	358632	ng/L	108	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	IS-PFOA-13C2	537	N/A	---		1354520.00	1256540	ng/L	108	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	IS-PFOS-13C4	537	N/A	---		238754.00	223359	ng/L	107	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	IS-GenX-13C3	537	N/A	---		5384.62	5097.72	ng/L	106	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	SS-NEtFOSAA-d5	537	N/A	---		191.4170	200	ng/L	96	70 - 130	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	SS-PFDA-13C2	537	N/A	---		101.8840	100	ng/L	102	70 - 130	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	SS-PFHxA-13C2	537	N/A	---		50.8940	50.0	ng/L	102	70 - 130	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluorooctanesulfonamidoacetic acid (NEtI	537	2.0	---		1.7639	2.0	ng/L	88	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluorooctanesulfonamidoacetic acid (NM	537	2.0	---		1.8433	2.0	ng/L	92	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		1.7892	2.0	ng/L	89	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluorodecanoic acid (PFDA)	537	2.0	---		1.8132	2.0	ng/L	91	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		1.8017	2.0	ng/L	90	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		1.8383	2.0	ng/L	92	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluorohexanoic acid (PFHxA)	537	2.0	---		1.8643	2.0	ng/L	93	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluorolauric acid (PFDoA)	537	2.0	---		1.7292	2.0	ng/L	86	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluoromyristic acid (PFTA)	537	2.0	---		1.6415	2.0	ng/L	82	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluorononanoic acid (PFNA)	537	2.0	---		1.8320	2.0	ng/L	92	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluorooctane sulfonate (PFOS)	537	2.0	---		1.8346	2.0	ng/L	92	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluorooctanoic acid (PFOA)	537	2.0	---		1.8799	2.0	ng/L	94	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		1.6728	2.0	ng/L	84	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
RLC	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		1.7432	2.0	ng/L	87	50 - 150	---	---	1.0	12/13/2017 08:04	12/16/2017 13:57	3839304
FBH	IS-NMeFOSAA-d3	537	N/A	---		380612.00	358632	ng/L	106	50 - 150	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	IS-PFOA-13C2	537	N/A	---		1303080.00	1256540	ng/L	104	50 - 150	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	IS-PFOS-13C4	537	N/A	---		227097.00	223359	ng/L	102	50 - 150	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	IS-GenX-13C3	537	N/A	---		5165.80	5097.72	ng/L	101	50 - 150	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	SS-NEtFOSAA-d5	537	N/A	---		178.2420	200	ng/L	89	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	SS-PFDA-13C2	537	N/A	---		98.5768	100	ng/L	99	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	SS-PFHxA-13C2	537	N/A	---		47.7812	50.0	ng/L	96	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	Perfluorooctanesulfonamidoacetic acid (NEtI	537	2.0	---		189.6770	200	ng/L	95	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	Perfluorooctanesulfonamidoacetic acid (NM	537	2.0	---		193.8450	200	ng/L	97	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		200.7560	200	ng/L	100	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	Perfluorodecanoic acid (PFDA)	537	2.0	---		200.7800	200	ng/L	100	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		198.0020	200	ng/L	99	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		204.7550	200	ng/L	102	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	Perfluorohexanoic acid (PFHxA)	537	2.0	---		193.4140	200	ng/L	97	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	Perfluorolauric acid (PFDoA)	537	2.0	---		192.8030	200	ng/L	96	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	Perfluoromyristic acid (PFTA)	537	2.0	---		190.5030	200	ng/L	95	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	Perfluorononanoic acid (PFNA)	537	2.0	---		200.5620	200	ng/L	100	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	Perfluorooctane sulfonate (PFOS)	537	2.0	---		202.0830	200	ng/L	101	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040

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 #
FBH	Perfluorooctanoic acid (PFOA)	537	2.0	---		201.8180	200	ng/L	101	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		196.3660	200	ng/L	98	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
FBH	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		193.2480	200	ng/L	97	70 - 130	---	---	1.0	12/13/2017 13:02	12/16/2017 14:14	3837040
CCM	IS-NMeFOSAA-d3	537	N/A	---		431532.00	431532	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	IS-PFOA-13C2	537	N/A	---		1493110.00	1493110	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	IS-PFOS-13C4	537	N/A	---		258880.00	258880	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	IS-GenX-13C3	537	N/A	---		5736.70	5736.7	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	SS-NEtFOSAA-d5	537	N/A	---		205.6750	200	ng/L	103	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	SS-PFDA-13C2	537	N/A	---		104.3320	100	ng/L	104	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	SS-PFHxA-13C2	537	N/A	---		50.2864	50.0	ng/L	101	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluorooctanesulfonamidoacetic acid (NEtI	537	2.0	---		106.9360	100	ng/L	107	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluorooctanesulfonamidoacetic acid (NM	537	2.0	---		105.3880	100	ng/L	105	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		104.2590	100	ng/L	104	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluorodecanoic acid (PFDA)	537	2.0	---		105.7890	100	ng/L	106	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		103.5710	100	ng/L	104	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		103.1190	100	ng/L	103	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluorohexanoic acid (PFHxA)	537	2.0	---		103.5000	100	ng/L	104	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluorolauric acid (PFDoA)	537	2.0	---		104.0310	100	ng/L	104	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluoromyristic acid (PFTA)	537	2.0	---		105.0130	100	ng/L	105	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluorononanoic acid (PFNA)	537	2.0	---		103.8490	100	ng/L	104	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluorooctane sulfonate (PFOS)	537	2.0	---		102.5240	100	ng/L	103	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluorooctanoic acid (PFOA)	537	2.0	---		103.1870	100	ng/L	103	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		105.2350	100	ng/L	105	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
CCM	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		103.8570	100	ng/L	104	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 17:52	3837056
FS	IS-NMeFOSAA-d3	537	N/A	Raw Water Entry Point(WetWell)		451495.00	431532	ng/L	105	50 - 150	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	IS-PFOA-13C2	537	N/A	Raw Water Entry Point(WetWell)		1593830.00	1493110	ng/L	107	50 - 150	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	IS-PFOS-13C4	537	N/A	Raw Water Entry Point(WetWell)		265218.00	258880	ng/L	102	50 - 150	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	IS-GenX-13C3	537	N/A	Raw Water Entry Point(WetWell)		6689.72	5736.7	ng/L	117	50 - 150	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	SS-NEtFOSAA-d5	537	N/A	Raw Water Entry Point(WetWell)		154.8320	200	ng/L	87	70 - 130	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	SS-PFDA-13C2	537	N/A	Raw Water Entry Point(WetWell)		82.7531	100	ng/L	93	70 - 130	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	SS-PFHxA-13C2	537	N/A	Raw Water Entry Point(WetWell)		46.2295	50.0	ng/L	104	70 - 130	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	Perfluorooctanesulfonamidoacetic acid (NEtI	537	2.0	Raw Water Entry Point(WetWell)	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	Perfluorooctanesulfonamidoacetic acid (NM	537	2.0	Raw Water Entry Point(WetWell)	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Raw Water Entry Point(WetWell)		4.9		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Raw Water Entry Point(WetWell)		3.1		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Raw Water Entry Point(WetWell)		23		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Raw Water Entry Point(WetWell)		3.7		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Raw Water Entry Point(WetWell)		37		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	Perfluorolauric acid (PFDoA)	537	2.0	Raw Water Entry Point(WetWell)	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	Perfluoromyristic acid (PFTA)	537	2.0	Raw Water Entry Point(WetWell)	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	Perfluorononanoic acid (PFNA)	537	2.0	Raw Water Entry Point(WetWell)		3.5		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755

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	Raw Water Entry Point(WetWell)		11		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Raw Water Entry Point(WetWell)		16		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	Perfluorotridecanoic acid (PFTrDA)	537	2.0	Raw Water Entry Point(WetWell)	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Raw Water Entry Point(WetWell)	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 19:16	3834755
FS	IS-NMeFOSAA-d3	537	N/A	Biofiltration Filter #1		441814.00	431532	ng/L	102	50 - 150	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	IS-PFOA-13C2	537	N/A	Biofiltration Filter #1		1498790.00	1493110	ng/L	100	50 - 150	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	IS-PFOS-13C4	537	N/A	Biofiltration Filter #1		257233.00	258880	ng/L	99	50 - 150	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	IS-GenX-13C3	537	N/A	Biofiltration Filter #1		5846.57	5736.7	ng/L	102	50 - 150	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	SS-NEtFOSAA-d5	537	N/A	Biofiltration Filter #1		146.0340	200	ng/L	85	70 - 130	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	SS-PFDA-13C2	537	N/A	Biofiltration Filter #1		81.4075	100	ng/L	95	70 - 130	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	SS-PFHxA-13C2	537	N/A	Biofiltration Filter #1		41.5650	50.0	ng/L	97	70 - 130	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluorooctanesulfonamidoacetic acid (NEtI	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluorooctanesulfonamidoacetic acid (NM	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Biofiltration Filter #1		3.3		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Biofiltration Filter #1		12		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Biofiltration Filter #1		25		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluorolauric acid (PFDoA)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluoromyristic acid (PFTA)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluorononanoic acid (PFNA)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluorooctane sulfonate (PFOS)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Biofiltration Filter #1		5.9		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluorotridecanoic acid (PFTrDA)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Biofiltration Filter #1	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 19:32	3834756
FS	IS-NMeFOSAA-d3	537	N/A	Biofiltration Filter #2		457854.00	431532	ng/L	106	50 - 150	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	IS-PFOA-13C2	537	N/A	Biofiltration Filter #2		1554340.00	1493110	ng/L	104	50 - 150	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	IS-PFOS-13C4	537	N/A	Biofiltration Filter #2		268395.00	258880	ng/L	104	50 - 150	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	IS-GenX-13C3	537	N/A	Biofiltration Filter #2		6242.50	5736.7	ng/L	109	50 - 150	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	SS-NEtFOSAA-d5	537	N/A	Biofiltration Filter #2		149.6060	200	ng/L	86	70 - 130	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	SS-PFDA-13C2	537	N/A	Biofiltration Filter #2		80.2786	100	ng/L	92	70 - 130	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	SS-PFHxA-13C2	537	N/A	Biofiltration Filter #2		41.7843	50.0	ng/L	96	70 - 130	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	Perfluorooctanesulfonamidoacetic acid (NEtI	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	Perfluorooctanesulfonamidoacetic acid (NM	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Biofiltration Filter #2		3.4		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Biofiltration Filter #2		12		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Biofiltration Filter #2		25		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	Perfluorolauric acid (PFDoA)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	Perfluoromyristic acid (PFTA)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757

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	Perfluorononanoic acid (PFNA)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	Perfluorooctane sulfonate (PFOS)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Biofiltration Filter #2		5.9		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	Perfluorotridecanoic acid (PFTrDA)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Biofiltration Filter #2	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 19:49	3834757
FS	IS-NMeFOSAA-d3	537	N/A	Biofiltration Filter #3		432002.00	431532	ng/L	100	50 - 150	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	IS-PFOA-13C2	537	N/A	Biofiltration Filter #3		1449260.00	1493110	ng/L	97	50 - 150	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	IS-PFOS-13C4	537	N/A	Biofiltration Filter #3		249289.00	258880	ng/L	96	50 - 150	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	IS-GenX-13C3	537	N/A	Biofiltration Filter #3		5552.33	5736.7	ng/L	97	50 - 150	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	SS-NEtFOSAA-d5	537	N/A	Biofiltration Filter #3		154.2700	200	ng/L	87	70 - 130	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	SS-PFDA-13C2	537	N/A	Biofiltration Filter #3		85.2685	100	ng/L	96	70 - 130	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	SS-PFHxA-13C2	537	N/A	Biofiltration Filter #3		42.6868	50.0	ng/L	96	70 - 130	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluorooctanesulfonamidoacetic acid (NEtI	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluorooctanesulfonamidoacetic acid (NMI	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Biofiltration Filter #3		3.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Biofiltration Filter #3		11		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Biofiltration Filter #3		23		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluorolauric acid (PFDoA)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluoromyristic acid (PFTA)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluorononanoic acid (PFNA)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluorooctane sulfonate (PFOS)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Biofiltration Filter #3		5.2		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluorotridecanoic acid (PFTrDA)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.89	12/13/2017 13:02	12/16/2017 20:06	3834758
FS	IS-NMeFOSAA-d3	537	N/A	Biofiltration Filter #4		446668.00	431532	ng/L	104	50 - 150	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	IS-PFOA-13C2	537	N/A	Biofiltration Filter #4		1502290.00	1493110	ng/L	101	50 - 150	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	IS-PFOS-13C4	537	N/A	Biofiltration Filter #4		259589.00	258880	ng/L	100	50 - 150	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	IS-GenX-13C3	537	N/A	Biofiltration Filter #4		5480.39	5736.7	ng/L	96	50 - 150	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	SS-NEtFOSAA-d5	537	N/A	Biofiltration Filter #4		159.7800	200	ng/L	92	70 - 130	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	SS-PFDA-13C2	537	N/A	Biofiltration Filter #4		85.7284	100	ng/L	99	70 - 130	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	SS-PFHxA-13C2	537	N/A	Biofiltration Filter #4		42.9336	50.0	ng/L	99	70 - 130	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	Perfluorooctanesulfonamidoacetic acid (NEtI	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	Perfluorooctanesulfonamidoacetic acid (NMI	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Biofiltration Filter #4		2.8		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Biofiltration Filter #4		10		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Biofiltration Filter #4		23		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	Perfluorolauric acid (PFDoA)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759

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	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	Perfluorononanoic acid (PFNA)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	Perfluorooctane sulfonate (PFOS)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Biofiltration Filter #4		4.4		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	Perfluorotridecanoic acid (PFTrDA)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.87	12/13/2017 13:02	12/16/2017 20:23	3834759
FS	IS-NMeFOSAA-d3	537	N/A	Filter Effluent		429080.00	431532	ng/L	99	50 - 150	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	IS-PFOA-13C2	537	N/A	Filter Effluent		1447950.00	1493110	ng/L	97	50 - 150	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	IS-PFOS-13C4	537	N/A	Filter Effluent		248219.00	258880	ng/L	96	50 - 150	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	IS-GenX-13C3	537	N/A	Filter Effluent		5415.15	5736.7	ng/L	94	50 - 150	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	SS-NEtFOSAA-d5	537	N/A	Filter Effluent		150.8610	200	ng/L	88	70 - 130	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	SS-PFDA-13C2	537	N/A	Filter Effluent		82.5590	100	ng/L	96	70 - 130	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	SS-PFHxA-13C2	537	N/A	Filter Effluent		41.7351	50.0	ng/L	97	70 - 130	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluorooctanesulfonamidoacetic acid (NEtI	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluorooctanesulfonamidoacetic acid (NM	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluorobutanesulfonic acid (PFBS)	537	2.0	Filter Effluent		3.1		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluorodecanoic acid (PFDA)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluoroheptanoic acid (PFHpA)	537	2.0	Filter Effluent		12		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluorohexanoic acid (PFHxA)	537	2.0	Filter Effluent		25		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluorolauric acid (PFDoA)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluoromyristic acid (PFTA)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluorononanoic acid (PFNA)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluorooctane sulfonate (PFOS)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluorooctanoic acid (PFOA)	537	2.0	Filter Effluent		5.6		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluorotridecanoic acid (PFTrDA)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
FS	Perfluoroundecanoic acid (PFUnA)	537	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.86	12/13/2017 13:02	12/16/2017 20:39	3834760
CCH	IS-NMeFOSAA-d3	537	N/A	---		440847.00	440847	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	IS-PFOA-13C2	537	N/A	---		1488070.00	1488070	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	IS-PFOS-13C4	537	N/A	---		255832.00	255832	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	IS-GenX-13C3	537	N/A	---		5759.52	5759.52	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	SS-NEtFOSAA-d5	537	N/A	---		199.1600	200	ng/L	100	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	SS-PFDA-13C2	537	N/A	---		101.3380	100	ng/L	101	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	SS-PFHxA-13C2	537	N/A	---		49.3039	50.0	ng/L	99	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	Perfluorooctanesulfonamidoacetic acid (NEtI	537	2.0	---		193.1310	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	Perfluorooctanesulfonamidoacetic acid (NM	537	2.0	---		194.5740	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		194.4940	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	Perfluorodecanoic acid (PFDA)	537	2.0	---		196.9110	200	ng/L	98	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		194.1520	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		195.6650	200	ng/L	98	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	Perfluorohexanoic acid (PFHxA)	537	2.0	---		191.8810	200	ng/L	96	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058

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	Perfluorolauric acid (PFDoA)	537	2.0	---		192.7870	200	ng/L	96	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	Perfluoromyristic acid (PFTA)	537	2.0	---		194.0700	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	Perfluorononanoic acid (PFNA)	537	2.0	---		193.9820	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	Perfluorooctane sulfonate (PFOS)	537	2.0	---		193.1480	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	Perfluorooctanoic acid (PFOA)	537	2.0	---		193.6870	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		194.8690	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058
CCH	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		192.4550	200	ng/L	96	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 20:56	3837058

Eurofins Eaton Analytical
Run Log

Run ID: **237763** Method: **537**

Type	Sample Id	Sample Site	Matrix	Instrument ID	Analysis Date	Calibration File
CCL	3839042		OS	FL	12/16/2017 23:10	121617M537b-FL-PFC12.mdb
LRB	3839011		RW	FL	12/16/2017 23:44	121617M537b-FL-PFC12.mdb
RLC	3839306		RW	FL	12/17/2017 00:01	121617M537b-FL-PFC12.mdb
FBM	3839013		RW	FL	12/17/2017 00:18	121617M537b-FL-PFC12.mdb
CCM	3839043		OS	FL	12/17/2017 05:03	121617M537b-FL-PFC12.mdb
CCH	3839044		OS	FL	12/17/2017 07:00	121617M537b-FL-PFC12.mdb
CCM	3839440		OS	FL	12/17/2017 12:36	121617M537b-FL-PFC12.mdb
CCH	3839441		OS	FL	12/17/2017 13:26	121617M537b-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	---		1528670.00	1528670	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	IS-PFOS-13C4	537	N/A	---		261555.00	261555	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	SS-PFDA-13C2	537	N/A	---		99.8468	100	ng/L	100	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	SS-PFHxA-13C2	537	N/A	---		49.8080	50.0	ng/L	100	70 - 130	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		1.9855	2.0	ng/L	99	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	Perfluorodecanoic acid (PFDA)	537	2.0	---		2.0886	2.0	ng/L	104	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		2.0203	2.0	ng/L	101	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		1.9851	2.0	ng/L	99	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	Perfluorohexanoic acid (PFHxA)	537	2.0	---		2.0769	2.0	ng/L	104	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	Perfluorolauric acid (PFDoA)	537	2.0	---		2.1913	2.0	ng/L	110	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	Perfluoromyristic acid (PFTA)	537	2.0	---		2.2454	2.0	ng/L	112	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	Perfluorononanoic acid (PFNA)	537	2.0	---		2.0765	2.0	ng/L	104	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	Perfluorooctane sulfonate (PFOS)	537	2.0	---		2.1964	2.0	ng/L	110	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	Perfluorooctanoic acid (PFOA)	537	2.0	---		2.0770	2.0	ng/L	104	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		2.2372	2.0	ng/L	112	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
CCL	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		2.2213	2.0	ng/L	111	50 - 150	---	---	1.0	12/08/2017 10:53	12/16/2017 23:10	3839042
LRB	IS-PFOA-13C2	537	N/A	---		1593580.00	1528670	ng/L	104	50 - 150	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	IS-PFOS-13C4	537	N/A	---		271382.00	261555	ng/L	104	50 - 150	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	SS-PFDA-13C2	537	N/A	---		89.8550	100	ng/L	94	70 - 130	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	SS-PFHxA-13C2	537	N/A	---		45.8502	50.0	ng/L	96	70 - 130	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	Perfluorodecanoic acid (PFDA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	Perfluoroheptanoic acid (PFHpA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	Perfluorohexanoic acid (PFHxA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	Perfluorolauric acid (PFDoA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	Perfluoromyristic acid (PFTA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	Perfluorononanoic acid (PFNA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	Perfluorooctane sulfonate (PFOS)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	Perfluorooctanoic acid (PFOA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
LRB	Perfluoroundecanoic acid (PFUnA)	537	2.0	---	<	2.0		ng/L	---	---	---	---	0.96	12/15/2017 07:19	12/16/2017 23:44	3839011
RLC	IS-PFOA-13C2	537	N/A	---		1723020.00	1528670	ng/L	113	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	IS-PFOS-13C4	537	N/A	---		290976.00	261555	ng/L	111	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	SS-PFDA-13C2	537	N/A	---		101.5070	100	ng/L	102	70 - 130	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	SS-PFHxA-13C2	537	N/A	---		51.1394	50.0	ng/L	102	70 - 130	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		1.8376	2.0	ng/L	92	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	Perfluorodecanoic acid (PFDA)	537	2.0	---		1.7789	2.0	ng/L	89	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		1.7895	2.0	ng/L	89	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		1.8500	2.0	ng/L	92	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306

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	---		1.8532	2.0	ng/L	93	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	Perfluorolauric acid (PFDoA)	537	2.0	---		1.7063	2.0	ng/L	85	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	Perfluoromyristic acid (PFTA)	537	2.0	---		1.5891	2.0	ng/L	79	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	Perfluorononanoic acid (PFNA)	537	2.0	---		1.8339	2.0	ng/L	92	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	Perfluorooctane sulfonate (PFOS)	537	2.0	---		1.7771	2.0	ng/L	89	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	Perfluorooctanoic acid (PFOA)	537	2.0	---		1.8797	2.0	ng/L	94	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		1.6917	2.0	ng/L	85	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
RLC	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		1.8072	2.0	ng/L	90	50 - 150	---	---	1.0	12/13/2017 08:04	12/17/2017 00:01	3839306
FBM	IS-PFOA-13C2	537	N/A	---		1623090.00	1528670	ng/L	106	50 - 150	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	IS-PFOS-13C4	537	N/A	---		271940.00	261555	ng/L	104	50 - 150	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	SS-PFDA-13C2	537	N/A	---		99.9404	100	ng/L	100	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	SS-PFHxA-13C2	537	N/A	---		49.3260	50.0	ng/L	99	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		103.0220	100	ng/L	103	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	Perfluorodecanoic acid (PFDA)	537	2.0	---		96.6441	100	ng/L	97	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		99.1183	100	ng/L	99	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		103.0750	100	ng/L	103	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	Perfluorohexanoic acid (PFHxA)	537	2.0	---		97.6613	100	ng/L	98	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	Perfluorolauric acid (PFDoA)	537	2.0	---		93.6806	100	ng/L	94	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	Perfluoromyristic acid (PFTA)	537	2.0	---		90.6996	100	ng/L	91	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	Perfluorononanoic acid (PFNA)	537	2.0	---		98.5288	100	ng/L	99	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	Perfluorooctane sulfonate (PFOS)	537	2.0	---		99.1697	100	ng/L	99	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	Perfluorooctanoic acid (PFOA)	537	2.0	---		99.4316	100	ng/L	99	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		93.9960	100	ng/L	94	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
FBM	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		95.2749	100	ng/L	95	70 - 130	---	---	1.0	12/15/2017 07:19	12/17/2017 00:18	3839013
CCM	IS-PFOA-13C2	537	N/A	---		1648220.00	1648220	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	IS-PFOS-13C4	537	N/A	---		282241.00	282241	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	SS-PFDA-13C2	537	N/A	---		102.1230	100	ng/L	102	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	SS-PFHxA-13C2	537	N/A	---		50.6728	50.0	ng/L	101	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		102.8310	100	ng/L	103	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	Perfluorodecanoic acid (PFDA)	537	2.0	---		105.1350	100	ng/L	105	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		104.6690	100	ng/L	105	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		102.8730	100	ng/L	103	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	Perfluorohexanoic acid (PFHxA)	537	2.0	---		104.2870	100	ng/L	104	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	Perfluorolauric acid (PFDoA)	537	2.0	---		104.4080	100	ng/L	104	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	Perfluoromyristic acid (PFTA)	537	2.0	---		104.2290	100	ng/L	104	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	Perfluorononanoic acid (PFNA)	537	2.0	---		104.4930	100	ng/L	104	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	Perfluorooctane sulfonate (PFOS)	537	2.0	---		103.4140	100	ng/L	103	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	Perfluorooctanoic acid (PFOA)	537	2.0	---		103.1630	100	ng/L	103	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		104.8090	100	ng/L	105	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCM	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		105.1130	100	ng/L	105	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 05:03	3839043
CCH	IS-PFOA-13C2	537	N/A	---		1624920.00	1624920	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044

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	IS-PFOS-13C4	537	N/A	---		272112.00	272112	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	SS-PFDA-13C2	537	N/A	---		100.4890	100	ng/L	100	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	SS-PFHxA-13C2	537	N/A	---		50.0822	50.0	ng/L	100	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		193.7410	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	Perfluorodecanoic acid (PFDA)	537	2.0	---		197.7730	200	ng/L	99	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		194.8190	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		193.7290	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	Perfluorohexanoic acid (PFHxA)	537	2.0	---		194.6580	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	Perfluorolauric acid (PFDoA)	537	2.0	---		194.9470	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	Perfluoromyristic acid (PFTA)	537	2.0	---		194.2120	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	Perfluorononanoic acid (PFNA)	537	2.0	---		193.9390	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	Perfluorooctane sulfonate (PFOS)	537	2.0	---		196.3950	200	ng/L	98	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	Perfluorooctanoic acid (PFOA)	537	2.0	---		193.4190	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		194.3490	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCH	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		194.6340	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 07:00	3839044
CCM	IS-PFOA-13C2	537	N/A	---		1231760.00	1231760	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	IS-PFOS-13C4	537	N/A	---		212514.00	212514	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	SS-PFDA-13C2	537	N/A	---		104.4920	100	ng/L	104	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	SS-PFHxA-13C2	537	N/A	---		50.8862	50.0	ng/L	102	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		97.8809	100	ng/L	98	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	Perfluorodecanoic acid (PFDA)	537	2.0	---		102.6820	100	ng/L	103	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		102.7080	100	ng/L	103	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		97.3499	100	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	Perfluorohexanoic acid (PFHxA)	537	2.0	---		105.1540	100	ng/L	105	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	Perfluorolauric acid (PFDoA)	537	2.0	---		109.6380	100	ng/L	110	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	Perfluoromyristic acid (PFTA)	537	2.0	---		114.9580	100	ng/L	115	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	Perfluorononanoic acid (PFNA)	537	2.0	---		105.3180	100	ng/L	105	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	Perfluorooctane sulfonate (PFOS)	537	2.0	---		102.5900	100	ng/L	103	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	Perfluorooctanoic acid (PFOA)	537	2.0	---		103.1320	100	ng/L	103	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		113.7790	100	ng/L	114	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCM	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		108.8300	100	ng/L	109	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 12:36	3839440
CCH	IS-PFOA-13C2	537	N/A	---		1326020.00	1326020	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	IS-PFOS-13C4	537	N/A	---		224419.00	224419	ng/L	100	50 - 150	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	SS-PFDA-13C2	537	N/A	---		101.5380	100	ng/L	102	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	SS-PFHxA-13C2	537	N/A	---		49.7553	50.0	ng/L	100	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	Perfluorobutanesulfonic acid (PFBS)	537	2.0	---		185.9940	200	ng/L	93	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	Perfluorodecanoic acid (PFDA)	537	2.0	---		195.2800	200	ng/L	98	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	Perfluoroheptanoic acid (PFHpA)	537	2.0	---		193.2830	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	Perfluorohexanesulfonic acid (PFHxS)	537	2.0	---		187.6400	200	ng/L	94	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	Perfluorohexanoic acid (PFHxA)	537	2.0	---		196.2890	200	ng/L	98	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	Perfluorolauric acid (PFDoA)	537	2.0	---		202.4780	200	ng/L	101	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441

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	Perfluoromyristic acid (PFTA)	537	2.0	---		209.8650	200	ng/L	105	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	Perfluorononanoic acid (PFNA)	537	2.0	---		194.1810	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	Perfluorooctane sulfonate (PFOS)	537	2.0	---		193.5860	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	Perfluorooctanoic acid (PFOA)	537	2.0	---		193.7490	200	ng/L	97	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	Perfluorotridecanoic acid (PFTrDA)	537	2.0	---		205.9480	200	ng/L	103	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441
CCH	Perfluoroundecanoic acid (PFUnA)	537	2.0	---		199.9190	200	ng/L	100	70 - 130	---	---	1.0	12/08/2017 10:53	12/17/2017 13:26	3839441

Sample Type Key

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

END OF REPORT