

## 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

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

## Laboratory Report

Client: Cary/Apex WTP  
  
 Attn: Rachel Monschein  
 1400 Wimberly Road  
 Apex, NC 27523

Report: 409134  
 Priority: Standard Written  
 Status: Final  
 PWS ID: NC0392020

Sample Information					
EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
3873652	Raw Water Intake (Wet Well)	L402	02/15/18 09:40	Client	02/16/18 09:45
3873653	Filter Effluent	L402	02/15/18 08:35	Client	02/16/18 09:45
3873654	Biofiltration Filter #3	L402	02/15/18 09:39	Client	02/16/18 09:45
3873655	Biofiltration Filter #4	L402	02/15/18 09:35	Client	02/16/18 09:45
3873656	Biofiltration Filter #5	L402	02/15/18 09:37	Client	02/16/18 09:45

  

Report Summary
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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

03/08/2018

Date

Client Name: Cary/Apex WTP

Report #: 409134

Sampling Point: Raw Water Intake (Wet Well)

PWS ID: NC0392020

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
120226-60-0	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
757124-22-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	---	2.0	<b>2.1</b>	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
958445-44-8	ADONA	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
73606-19-6	F-53B Major	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
83329-89-9	F-53B Minor	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
13252-13-6	GenX	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
24448-09-7	N-methylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
375-73-5	Perfluorobutanesulfonic acid (PFBS)	L402	---	2.0	<b>5.0</b>	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
375-22-4	Perfluorobutanoic acid (PFBA)	L402	---	5.0	<b>20</b>	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
335-76-2	Perfluorodecanoic acid (PFDA)	L402	---	2.0	<b>3.5</b>	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
375-85-9	Perfluoroheptanoic acid (PFHpA)	L402	---	2.0	<b>34</b>	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	L402	---	2.0	<b>4.4</b>	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
307-24-4	Perfluorohexanoic acid (PFHxA)	L402	---	2.0	<b>50</b>	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
307-55-1	Perfluorododecanoic acid (PFDoA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
375-95-1	Perfluorononanoic acid (PFNA)	L402	---	2.0	<b>4.0</b>	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	L402	---	2.0	<b>14</b>	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
335-67-1	Perfluorooctanoic acid (PFOA)	L402	---	2.0	<b>18</b>	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
2058-94-8	Perfluoroundecanoic acid (PFUnA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
NA	Perfluorododecanesulfonic acid (PFDoS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
335-77-3	Perfluorodecanesulfonic acid (PFDS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
67905-19-5	Perfluorohexadecanoic acid (PFHxDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
151772-58-6	Perfluoro-2-methoxyethoxyacetic acid	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
801212-59-9	Perfluoro-4-isopropoxybutanoic acid	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMOPrA)	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
68259-12-1	Perfluorononanesulfonic acid (PFNS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
754-91-6	Perfluorooctane sulfonamide (PFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
2706-90-3	Perfluoropentanoic acid (PFPeA)	L402	---	2.0	<b>40</b>	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 02:34	3873652

Sampling Point: Filter Effluent

PWS ID: NC0392020

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
120226-60-0	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
757124-22-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
958445-44-8	ADONA	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
73606-19-6	F-53B Major	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
83329-89-9	F-53B Minor	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
13252-13-6	GenX	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
24448-09-7	N-methylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
375-73-5	Perfluorobutanesulfonic acid (PFBS)	L402	---	2.0	<b>2.4</b>	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
375-22-4	Perfluorobutanoic acid (PFBA)	L402	---	5.0	<b>18</b>	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
335-76-2	Perfluorodecanoic acid (PFDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
375-85-9	Perfluoroheptanoic acid (PFHpA)	L402	---	2.0	<b>13</b>	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
307-24-4	Perfluorohexanoic acid (PFHxA)	L402	---	2.0	<b>30</b>	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
307-55-1	Perfluorododecanoic acid (PFDoA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
375-95-1	Perfluorononanoic acid (PFNA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
335-67-1	Perfluorooctanoic acid (PFOA)	L402	---	2.0	<b>5.0</b>	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
2058-94-8	Perfluoroundecanoic acid (PFUnA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
NA	Perfluorododecanesulfonic acid (PFDoS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
335-77-3	Perfluorodecanesulfonic acid (PFDS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
67905-19-5	Perfluorohexadecanoic acid (PFHxDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
151772-58-6	Perfluoro-2-methoxyethoxyacetic acid	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
801212-59-9	Perfluoro-4-isopropoxybutanoic acid	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMOPrA)	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
68259-12-1	Perfluorononanesulfonic acid (PFNS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
754-91-6	Perfluorooctane sulfonamide (PFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
2706-90-3	Perfluoropentanoic acid (PFPeA)	L402	---	2.0	<b>31</b>	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:00	3873653

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 #
120226-60-0	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
757124-22-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
958445-44-8	ADONA	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
73606-19-6	F-53B Major	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
83329-89-9	F-53B Minor	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
13252-13-6	GenX	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
24448-09-7	N-methylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
375-73-5	Perfluorobutanesulfonic acid (PFBS)	L402	---	2.0	<b>2.4</b>	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
375-22-4	Perfluorobutanoic acid (PFBA)	L402	---	5.0	<b>19</b>	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
335-76-2	Perfluorodecanoic acid (PFDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
375-85-9	Perfluoroheptanoic acid (PFHpA)	L402	---	2.0	<b>13</b>	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
307-24-4	Perfluorohexanoic acid (PFHxA)	L402	---	2.0	<b>29</b>	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
307-55-1	Perfluorododecanoic acid (PFDoA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
375-95-1	Perfluorononanoic acid (PFNA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
335-67-1	Perfluorooctanoic acid (PFOA)	L402	---	2.0	<b>4.8</b>	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
2058-94-8	Perfluoroundecanoic acid (PFUnA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
NA	Perfluorododecanesulfonic acid (PFDoS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
335-77-3	Perfluorodecanesulfonic acid (PFDS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
67905-19-5	Perfluorohexadecanoic acid (PFHxDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
151772-58-6	Perfluoro-2-methoxyethoxyacetic acid	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
801212-59-9	Perfluoro-4-isopropoxybutanoic acid	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMOPrA)	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
68259-12-1	Perfluorononanesulfonic acid (PFNS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
754-91-6	Perfluorooctane sulfonamide (PFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
2706-90-3	Perfluoropentanoic acid (PFPeA)	L402	---	2.0	<b>32</b>	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:26	3873654

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 #
120226-60-0	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
757124-22-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
958445-44-8	ADONA	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
73606-19-6	F-53B Major	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
83329-89-9	F-53B Minor	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
13252-13-6	GenX	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
24448-09-7	N-methylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
375-73-5	Perfluorobutanesulfonic acid (PFBS)	L402	---	2.0	<b>2.4</b>	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
375-22-4	Perfluorobutanoic acid (PFBA)	L402	---	5.0	<b>19</b>	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
335-76-2	Perfluorodecanoic acid (PFDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
375-85-9	Perfluoroheptanoic acid (PFHpA)	L402	---	2.0	<b>12</b>	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
307-24-4	Perfluorohexanoic acid (PFHxA)	L402	---	2.0	<b>29</b>	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
307-55-1	Perfluorododecanoic acid (PFDoA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
375-95-1	Perfluorononanoic acid (PFNA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
335-67-1	Perfluorooctanoic acid (PFOA)	L402	---	2.0	<b>4.4</b>	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
2058-94-8	Perfluoroundecanoic acid (PFUnA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
NA	Perfluorododecanesulfonic acid (PFDoS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
335-77-3	Perfluorodecanesulfonic acid (PFDS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
67905-19-5	Perfluorohexadecanoic acid (PFHxDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
151772-58-6	Perfluoro-2-methoxyethoxyacetic acid	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
801212-59-9	Perfluoro-4-isopropoxybutanoic acid	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMOPrA)	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
68259-12-1	Perfluorononanesulfonic acid (PFNS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
754-91-6	Perfluorooctane sulfonamide (PFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
2706-90-3	Perfluoropentanoic acid (PFPeA)	L402	---	2.0	<b>32</b>	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 03:52	3873655

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
120226-60-0	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
757124-22-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
958445-44-8	ADONA	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
73606-19-6	F-53B Major	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
83329-89-9	F-53B Minor	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
13252-13-6	GenX	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
24448-09-7	N-methylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
375-73-5	Perfluorobutanesulfonic acid (PFBS)	L402	---	2.0	<b>2.6</b>	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
375-22-4	Perfluorobutanoic acid (PFBA)	L402	---	5.0	<b>19</b>	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
335-76-2	Perfluorodecanoic acid (PFDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
375-85-9	Perfluoroheptanoic acid (PFHpA)	L402	---	2.0	<b>15</b>	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
307-24-4	Perfluorohexanoic acid (PFHxA)	L402	---	2.0	<b>31</b>	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
307-55-1	Perfluorododecanoic acid (PFDoA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
375-95-1	Perfluorononanoic acid (PFNA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
335-67-1	Perfluorooctanoic acid (PFOA)	L402	---	2.0	<b>6.0</b>	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
2058-94-8	Perfluoroundecanoic acid (PFUnA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
NA	Perfluorododecanesulfonic acid (PFDoS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
335-77-3	Perfluorodecanesulfonic acid (PFDS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
67905-19-5	Perfluorohexadecanoic acid (PFHxDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
151772-58-6	Perfluoro-2-methoxyethoxyacetic acid	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
801212-59-9	Perfluoro-4-isopropoxybutanoic acid	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMOPrA)	L402	---	5.0	< 5.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
68259-12-1	Perfluorononanesulfonic acid (PFNS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
754-91-6	Perfluorooctane sulfonamide (PFOSA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
2706-90-3	Perfluoropentanoic acid (PFPeA)	L402	---	2.0	<b>33</b>	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	L402	---	2.0	< 2.0	ng/L	02/27/18 07:10	03/02/18 04:44	3873656

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

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



## Lab Definitions

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

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

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

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

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

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

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

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

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

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

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



Eaton Analytical

110 S. Hill Street  
South Bend, IN 46617  
T: 1.800.332.4345  
F: 1.574.233.8207

Order # 335428  
Batch # 409134

www.EurofinsUS.com/Eaton

### CHAIN OF CUSTODY RECORD

Page 1 of 1

Shaded area for EEA use only

REPORT TO: Rachel Monaghan 1400 W. Main Street Apex, NC 27503		SAMPLER (Signature) <i>Jim Hee</i>		PWS ID # NC 0392020		STATE (sample origin) NC		PROJECT NAME PFAS's		# OF CONTAINERS 2		MATRIX CODE D0 SW		TURNAROUND TIME	
BILL TO: Town of Cary Finance, A.P. PO Box 8005 Cary, NC 27512-8005		COMPLIANCE MONITORING Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		POPULATION SERVED 7100,000		SOURCE WATER Jordan Lake		SAMPLE REMARKS 02102018 PHK2-3		CHLORINATED YES NO X X					
LAB Number		COLLECTION		SAMPLING SITE		TEST NAME									
	DATE	TIME	AM	PM											
1	2/5/18	9:40	X		base water intake (Detwell)	PF2 - Quant L-402									
2		8:35	X		Filter 2 (Detwell)										
3		9:39	X		Biofiltration Filter #3										
4		9:35	X		" "										
5		9:37	X		" "										
6															
7															
8															
9															
10															
11															
12															
13															
14															

RELINQUISHED BY: (Signature) <i>Jim Hee</i>		DATE	TIME	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE	TIME	LAB COMMENTS LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT	
RELINQUISHED BY: (Signature) <i>[Signature]</i>		2/5/18	10:00 AM		7/15/18	5:30 AM		
RELINQUISHED BY: (Signature) <i>[Signature]</i>			5:00 AM					
RECEIVED FOR LABORATORY BY: <i>Kow</i>		DATE	TIME	RECEIVED FOR LABORATORY BY: <i>[Signature]</i>	DATE	TIME	CONDITIONS UPON RECEIPT (check one): Lead: <input checked="" type="checkbox"/> Wd/Blue Ambient: <u>1.8</u> °C Upon Receipt: <u>N/A</u>	
					2-11-18	0945 AM		

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

**TURN-AROUND TIME (TAT) - SURCHARGES**  
 SW = Standard Written: (15 working days) 0%  
 RV\* = Rush Verbal: (5 working days) 50%  
 RW\* = Rush Written: (5 working days) 75%

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

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

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

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

## Eurofins Eaton Analytical

### Run Log

Run ID: 240330 Method: L402

<u>Type</u>	<u>Sample Id</u>	<u>Sample Site</u>	<u>Matrix</u>	<u>Instrument ID</u>	<u>Analysis Date</u>	<u>Calibration File</u>
CCL	3879830		OS	FL	03/01/2018 20:04	030118L402a-PFCQuant-NTA.mdb
LRB	3879813		RW	FL	03/01/2018 20:30	030118L402a-PFCQuant-NTA.mdb
FBL	3879814		RW	FL	03/01/2018 20:56	030118L402a-PFCQuant-NTA.mdb
CCM	3879831		OS	FL	03/02/2018 01:16	030118L402a-PFCQuant-NTA.mdb
FS	3873652	Raw Water Intake (Wet Well)	DW	FL	03/02/2018 02:34	030118L402a-PFCQuant-NTA.mdb
FS	3873653	Filter Effluent	DW	FL	03/02/2018 03:00	030118L402a-PFCQuant-NTA.mdb
FS	3873654	Biofiltration Filter #3	DW	FL	03/02/2018 03:26	030118L402a-PFCQuant-NTA.mdb
FS	3873655	Biofiltration Filter #4	DW	FL	03/02/2018 03:52	030118L402a-PFCQuant-NTA.mdb
LFSML	3879808	Biofiltration Filter #4	DW	FL	03/02/2018 04:18	030118L402a-PFCQuant-NTA.mdb
FS	3873656	Biofiltration Filter #5	DW	FL	03/02/2018 04:44	030118L402a-PFCQuant-NTA.mdb
FD	3879809	Biofiltration Filter #5	DW	FL	03/02/2018 05:10	030118L402a-PFCQuant-NTA.mdb
CCH	3880179		OS	FL	03/02/2018 05:36	030118L402a-PFCQuant-NTA.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-4:2-FTS-13C2	L402	N/A	---		717817	743732	ng/L	97	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-6:2-FTS-13C2	L402	N/A	---		105698	94632	ng/L	112	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-8:2-FTS-13C2	L402	N/A	---		449607	404610	ng/L	111	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-GenX-13C3	L402	N/A	---		9023	8562	ng/L	105	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-NEFOSAA-d5	L402	N/A	---		678200	590453	ng/L	115	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-NEFOSE-d9	L402	N/A	---		61774	61151	ng/L	101	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-NMeFOSAA-d3	L402	N/A	---		874461	766756	ng/L	114	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-NMeFOSA-d3	L402	N/A	---		414111	427341	ng/L	97	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-NMeFOSE-d7	L402	N/A	---		79686	76011	ng/L	105	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFBA-13C4	L402	N/A	---		2331040	2364420	ng/L	99	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFBS-13C3	L402	N/A	---		722392	681917	ng/L	106	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFDA-13C2	L402	N/A	---		4206090	3287376	ng/L	128	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFDoA-13C2	L402	N/A	---		2854570	2395490	ng/L	119	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFHxA-13C4	L402	N/A	---		4670070	4137251	ng/L	113	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFHxA-13C2	L402	N/A	---		5698770	5259058	ng/L	108	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFOA-13C8	L402	N/A	---		1343160	1170803	ng/L	115	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-NEFOSA-d5	L402	N/A	---		248062	284184	ng/L	87	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFHXS-13C3	L402	N/A	---		667035	597825	ng/L	112	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFNA-13C9	L402	N/A	---		4266070	3587318	ng/L	119	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFOA-13C2	L402	N/A	---		5121480	4393636	ng/L	117	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFOS-13C4	L402	N/A	---		592701	508723	ng/L	117	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFPeA-13C5	L402	N/A	---		1856420	1913555	ng/L	97	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFTeDA-13C2	L402	N/A	---		1335590	1470420	ng/L	91	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	IS-PFUnA-13C7	L402	N/A	---		3405400	2610968	ng/L	130	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	---		2.3268	2.0	ng/L	116	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	---		2.2257	2.0	ng/L	111	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	---		1.8653	2.0	ng/L	93	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	---		2.2545	2.0	ng/L	113	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	ADONA	L402	2.0	---		1.9391	2.0	ng/L	97	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	F-53B Major	L402	2.0	---		1.4940	2.0	ng/L	75	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	F-53B Minor	L402	2.0	---		2.1174	2.0	ng/L	106	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	GenX	L402	5.0	---		5.4949	5.0	ng/L	110	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	---		1.9365	2.0	ng/L	97	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	N-ethylperfluorooctane sulfonamidoethanol	L402	2.0	---		1.9225	2.0	ng/L	96	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	---		1.8854	2.0	ng/L	94	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	N-methylperfluorooctane sulfonamidoethanol	L402	2.0	---		2.0399	2.0	ng/L	102	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	---		1.8446	2.0	ng/L	92	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluorobutanoic acid (PFBA)	L402	5.0	---		4.6510	5.0	ng/L	93	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluorodecanoic acid (PFDA)	L402	2.0	---		1.8887	2.0	ng/L	94	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluoroheptanoic acid (PFHpA)	L402	2.0	---		1.9231	2.0	ng/L	96	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830

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 #
CCL	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	---		1.7837	2.0	ng/L	89	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluorohexanoic acid (PFHxA)	L402	2.0	---		1.8866	2.0	ng/L	94	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluorodecanecarboxylic acid (PFDoA)	L402	2.0	---		1.9276	2.0	ng/L	96	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluorononanoic acid (PFNA)	L402	2.0	---		1.9480	2.0	ng/L	97	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	---		1.8195	2.0	ng/L	91	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	N-ethylperfluorooctanesulfonamidoacetic acid	L402	2.0	---		2.0718	2.0	ng/L	104	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	N-methylperfluorooctanesulfonamidoacetic acid	L402	2.0	---		1.8394	2.0	ng/L	92	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluorodecanecarboxylic acid (PFTrDA)	L402	2.0	---		1.9172	2.0	ng/L	96	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluoroundecanoic acid (PFUnA)	L402	2.0	---		1.9550	2.0	ng/L	98	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluorododecanesulfonic acid (PFDoS)	L402	2.0	---		1.8837	2.0	ng/L	94	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluorododecanesulfonic acid (PFDS)	L402	2.0	---		2.0851	2.0	ng/L	104	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	---		2.1614	2.0	ng/L	108	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	---		1.8330	2.0	ng/L	92	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluoro-2-methoxyethoxyacetic acid	L402	2.0	---		2.3656	2.0	ng/L	118	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	---		5.1309	5.0	ng/L	103	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	5.0	---		5.2987	5.0	ng/L	106	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluoro-3-methoxypropanoic acid (PFMOPA)	L402	5.0	---		4.5812	5.0	ng/L	92	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluoronanesulfonic acid (PFNS)	L402	2.0	---		4.3724	5.0	ng/L	87	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	---		1.8836	2.0	ng/L	94	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluoropentanoic acid (PFPeA)	L402	2.0	---		1.8992	2.0	ng/L	95	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	---		1.8963	2.0	ng/L	95	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	---	<	1.8468	2.0	ng/L	92	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	---	<	1.8761	2.0	ng/L	94	50 - 150	---	---	1.0	02/08/2018 15:03	03/01/2018 20:04	3879830
CCL	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	ADONA	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	F-53B Major	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	F-53B Minor	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	GenX	L402	5.0	---	<	5.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	N-ethylperfluorooctane sulfonamidoethanol	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	N-methylperfluorooctane sulfonamidoethanol	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	Perfluorobutanoic acid (PFBA)	L402	5.0	---	<	5.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	Perfluorodecanoic acid (PFDA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	Perfluoroheptanoic acid (PFHpA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
CCL	Perfluorohexanoic acid (PFHxA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813

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	Perfluorodecanic acid (PFDoA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluorononanoic acid (PFNA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluorooctanoic acid (PFOA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluorotridecanoic acid (PFTDA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluoroundecanoic acid (PFUnA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluorododecanesulfonic acid (PFDoS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluorodecanesulfonic acid (PFDS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluoro-2-methoxyethoxyacetic acid	L402	5.0	---	<	5.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	---	<	5.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	5.0	---	<	5.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluoro-3-methoxypropanoic acid (PFMOPRA)	L402	5.0	---	<	5.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluoronanesulfonic acid (PFNS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluoropentanoic acid (PFPeA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
LRB	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/01/2018 20:30	3879813
FBL	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	---		1.8322	2.0	ng/L	92	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	---		2.2283	2.0	ng/L	111	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	---		2.3206	2.0	ng/L	116	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	---		2.2596	2.0	ng/L	113	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	ADONA	L402	2.0	---		1.9801	2.0	ng/L	99	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	F-53B Major	L402	2.0	---		1.5826	2.0	ng/L	79	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	F-53B Minor	L402	2.0	---		1.4245	2.0	ng/L	71	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	GenX	L402	5.0	---		4.2056	5.0	ng/L	84	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	---		1.9829	2.0	ng/L	99	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	N-ethylperfluorooctane sulfonamidoethanol	L402	2.0	---		1.9560	2.0	ng/L	98	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	---		1.8587	2.0	ng/L	93	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	N-methylperfluorooctane sulfonamidoethanol	L402	2.0	---		2.2069	2.0	ng/L	110	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	---		1.7358	2.0	ng/L	87	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorobutanoic acid (PFBA)	L402	5.0	---		4.5848	5.0	ng/L	92	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorodecanoic acid (PFDA)	L402	2.0	---		1.8509	2.0	ng/L	93	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluoroheptanoic acid (PFHpA)	L402	2.0	---		1.8673	2.0	ng/L	93	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	---		1.7356	2.0	ng/L	87	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorohexanoic acid (PFHxA)	L402	2.0	---		1.8790	2.0	ng/L	94	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorododecanoic acid (PFDoA)	L402	2.0	---		1.8424	2.0	ng/L	92	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorononanoic acid (PFNA)	L402	2.0	---		1.8915	2.0	ng/L	95	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814

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 #
FBL	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	---		1.8178	2.0	ng/L	91	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---		1.9115	2.0	ng/L	96	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---		1.8205	2.0	ng/L	91	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorooctanoic acid (PFOA)	L402	2.0	---		2.3193	2.0	ng/L	116	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorodecanoic acid (PFTrDA)	L402	2.0	---		0.8737	2.0	ng/L	44	40 - 160	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluoroundecanoic acid (PFUnA)	L402	2.0	---		1.7921	2.0	ng/L	90	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorododecanesulfonic acid (PFDoS)	L402	2.0	---		0.8243	2.0	ng/L	41	40 - 160	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorodecanesulfonic acid (PFDS)	L402	2.0	---		1.7173	2.0	ng/L	86	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	---		1.8199	2.0	ng/L	91	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	---		2.6394	2.0	ng/L	132	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluoro-2-methoxyethoxyacetic acid	L402	5.0	---		4.5451	5.0	ng/L	91	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	---		5.0556	5.0	ng/L	101	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	5.0	---		4.2756	5.0	ng/L	86	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluoro-3-methoxypropanoic acid (PFMOPRA)	L402	5.0	---		4.4599	5.0	ng/L	89	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluoronanesulfonic acid (PFNS)	L402	2.0	---		1.5398	2.0	ng/L	77	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	---		1.8267	2.0	ng/L	91	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluoropentanoic acid (PFPeA)	L402	2.0	---		1.8642	2.0	ng/L	93	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	---		1.8411	2.0	ng/L	92	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
FBL	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	---		2.1735	2.0	ng/L	109	50 - 150	---	---	1.0	02/27/2018 07:10	03/01/2018 20:56	3879814
CCM	IS-4-2-FTS-13C2	L402	N/A	---		4.46903	743732	ng/L	60	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-6-2-FTS-13C2	L402	N/A	---		57816	94632	ng/L	61	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-8-2-FTS-13C2	L402	N/A	---		231235	404610	ng/L	57	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-GenX-13C3	L402	N/A	---		9104	8562	ng/L	106	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-NEFOSAA-d5	L402	N/A	---		408075	590453	ng/L	69	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-NEFOSE-d9	L402	N/A	---		43722	61151	ng/L	71	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-NMeFOSAA-d3	L402	N/A	---		537880	766756	ng/L	70	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-NMeFOSA-d3	L402	N/A	---		274047	427341	ng/L	64	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-NMeFOSE-d7	L402	N/A	---		57901	76011	ng/L	76	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-PFBA-13C4	L402	N/A	---		1981580	2364420	ng/L	84	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-PFBS-13C3	L402	N/A	---		536693	681917	ng/L	79	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-PFDA-13C2	L402	N/A	---		2535600	3287376	ng/L	77	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-PFDoA-13C2	L402	N/A	---		1734530	2395490	ng/L	72	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-PFHpa-13C4	L402	N/A	---		3396250	4137251	ng/L	82	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-PFHXA-13C2	L402	N/A	---		4330340	5259058	ng/L	82	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-PFOA-13C8	L402	N/A	---		849234	1170803	ng/L	73	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-NEFOSA-d5	L402	N/A	---		162159	284184	ng/L	57	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-PFHXS-13C3	L402	N/A	---		496048	597825	ng/L	83	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-PFNA-13C9	L402	N/A	---		2903860	3587318	ng/L	81	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-PFOA-13C2	L402	N/A	---		3515900	4393636	ng/L	80	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-PFOS-13C4	L402	N/A	---		413785	508723	ng/L	81	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-PFPeA-13C5	L402	N/A	---		1490620	1913555	ng/L	78	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831

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 #
CCM	IS-PFTeA-13C2	L402	N/A	---		763820	1470420	ng/L	52	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	IS-PFUnA-13C7	L402	N/A	---		1840740	2610968	ng/L	71	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	---		82.8382	100	ng/L	83	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	---		109.5220	100	ng/L	110	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	---		99.9555	100	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	---		107.4560	100	ng/L	107	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	ADONA	L402	2.0	---		106.6720	100	ng/L	107	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	F-53B Major	L402	2.0	---		94.2526	100	ng/L	94	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	F-53B Minor	L402	2.0	---		120.5610	100	ng/L	121	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	GenX	L402	5.0	---		242.6530	250	ng/L	97	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	---		101.2920	100	ng/L	101	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	N-ethylperfluorooctane sulfonamidoethanol	L402	2.0	---		101.8340	100	ng/L	102	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	---		99.4756	100	ng/L	99	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	N-methylperfluorooctane sulfonamidoethanol	L402	2.0	---		101.4500	100	ng/L	101	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	---		99.3822	100	ng/L	99	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorobutanoic acid (PFBA)	L402	5.0	---		245.0420	250	ng/L	98	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorodecanoic acid (PFDA)	L402	2.0	---		97.5112	100	ng/L	98	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluoroheptanoic acid (PFHpA)	L402	2.0	---		100.1100	100	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	---		96.0850	100	ng/L	96	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorohexanoic acid (PFHxA)	L402	2.0	---		98.4858	100	ng/L	98	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorododecanoic acid (PFDoA)	L402	2.0	---		100.1400	100	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorononanoic acid (PFNA)	L402	2.0	---		96.7419	100	ng/L	97	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	---		95.5474	100	ng/L	96	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---		101.4760	100	ng/L	101	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---		98.3694	100	ng/L	98	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorooctanoic acid (PFOA)	L402	2.0	---		99.2397	100	ng/L	99	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorotridecanoic acid (PFTrDA)	L402	2.0	---		87.3725	100	ng/L	87	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluoroundecanoic acid (PFUnA)	L402	2.0	---		99.9664	100	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorododecenesulfonic acid (PFDoS)	L402	2.0	---		97.5404	100	ng/L	98	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorododecenesulfonic acid (PFDS)	L402	2.0	---		128.2990	100	ng/L	128	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	---		103.9000	100	ng/L	104	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	---		99.2714	100	ng/L	99	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluoro-2-methoxyethoxyacetic acid	L402	5.0	---		263.0960	250	ng/L	105	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	---		264.1310	250	ng/L	106	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	5.0	---		258.5390	250	ng/L	103	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluoro-3-methoxypropanoic acid (PFMOPRA)	L402	5.0	---		240.0820	250	ng/L	96	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluoronanesulfonic acid (PFNS)	L402	2.0	---		99.5251	100	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	---		97.1267	100	ng/L	97	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluoropentanoic acid (PFPeA)	L402	2.0	---		99.5188	100	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	---		105.9150	100	ng/L	106	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831
CCM	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	---		98.0826	100	ng/L	98	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 01:16	3879831



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	10:2 Fluorotolomer sulfonic acid (10:2 FTS)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	4:2 Fluorotolomer sulfonic acid (4:2 FTS)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	6:2 Fluorotolomer sulfonic acid (6:2 FTS)	L402	2.0	Raw Water Intake (Wet Well)	<	2.1		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	8:2 Fluorotolomer sulfonic acid (8:2 FTS)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	ADONA	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	F-53B Major	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	F-53B Minor	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	GenX	L402	5.0	Raw Water Intake (Wet Well)	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	N-ethylperfluorooctane sulfonamidoethanol	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	N-methylperfluorooctane sulfonamidoethanol	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	Raw Water Intake (Wet Well)	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorobutanoic acid (PFBA)	L402	5.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorodecanoic acid (PFDA)	L402	2.0	Raw Water Intake (Wet Well)	<	3.5		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluoroheptanoic acid (PFHpA)	L402	2.0	Raw Water Intake (Wet Well)	<	34		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorohexanesulfonic acid (PFHS)	L402	2.0	Raw Water Intake (Wet Well)	<	4.4		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorohexanoic acid (PFHxA)	L402	2.0	Raw Water Intake (Wet Well)	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorododecanoic acid (PFDoA)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	Raw Water Intake (Wet Well)	<	4.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorooctanesulfonamidoacetic acid	L402	2.0	Raw Water Intake (Wet Well)	<	14		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorooctanoic acid (PFOA)	L402	2.0	Raw Water Intake (Wet Well)	<	18		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorotridecanoic acid (PFTDA)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluoroundecanoic acid (PFUnA)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorododecenesulfonic acid (PFDoS)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorodecenesulfonic acid (PFDS)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluoro-2-methoxyethoxyacetic acid	L402	5.0	Raw Water Intake (Wet Well)	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluoro-4-isopropoxybutanoic acid (PFMOBA)	L402	5.0	Raw Water Intake (Wet Well)	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluoro-4-methoxybutanoic acid (PFMOPBA)	L402	5.0	Raw Water Intake (Wet Well)	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluoro-3-methoxypropanoic acid (PFMOPRA)	L402	5.0	Raw Water Intake (Wet Well)	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluoronanesulfonic acid (PFNS)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluoropentanoic acid (PFPeA)	L402	2.0	Raw Water Intake (Wet Well)	<	40		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluoropentanesulfonic acid (PFPS)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	Raw Water Intake (Wet Well)	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 02:34	3873652
FS	10:2 Fluorotolomer sulfonic acid (10:2 FTS)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	4:2 Fluorotolomer sulfonic acid (4:2 FTS)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653

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	6:2 Fluorotolomer sulfonic acid (6:2 FTS)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	8:2 Fluorotolomer sulfonic acid (8:2 FTS)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	ADONA	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	F-53B Major	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	F-53B Minor	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	GenX	L402	5.0	Filter Effluent	<	5.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	N-ethylperfluorooctane sulfonamidoethanol	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	N-methylperfluorooctane sulfonamidoethanol	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	Filter Effluent	<	2.4		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorobutanoic acid (PFBA)	L402	5.0	Filter Effluent	<	18		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorodecanoic acid (PFDA)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluoroheptanoic acid (PFHpA)	L402	2.0	Filter Effluent	<	13		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorohexanoic acid (PFHxA)	L402	2.0	Filter Effluent	<	30		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorodecanoic acid (PFDoA)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorononanoic acid (PFNA)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorooctanoic acid (PFOA)	L402	2.0	Filter Effluent	<	5.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorodecanoic acid (PFTDA)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluoroundecanoic acid (PFUnA)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorododecanesulfonic acid (PFDoS)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorododecanesulfonic acid (PFDS)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluoroheptadecanoic acid (PFHxDA)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluoro-2-methoxyethoxyacetic acid	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	Filter Effluent	<	5.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	5.0	Filter Effluent	<	5.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluoro-3-methoxypropanoic acid (PFMOPRA)	L402	5.0	Filter Effluent	<	5.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluoronanesulfonic acid (PFNS)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluoropentanoic acid (PFPeA)	L402	2.0	Filter Effluent	<	31		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:00	3873653
FS	10:2 Fluorotolomer sulfonic acid (10:2 FTS)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	4:2 Fluorotolomer sulfonic acid (4:2 FTS)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	6:2 Fluorotolomer sulfonic acid (6:2 FTS)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	8:2 Fluorotolomer sulfonic acid (8:2 FTS)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654

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	ADONA	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	F-53B Major	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	F-53B Minor	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	GenX	L402	5.0	Biofiltration Filter #3	<	5.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	N-ethylperfluorooctane sulfonamideethanol	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	N-methylperfluorooctane sulfonamideethanol	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	Biofiltration Filter #3	<	2.4		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorobutanoic acid (PFBA)	L402	5.0	Biofiltration Filter #3	<	19		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorodecanoic acid (PFDA)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluoroheptanoic acid (PFHpA)	L402	2.0	Biofiltration Filter #3	<	13		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorohexanoic acid (PFHxA)	L402	2.0	Biofiltration Filter #3	<	29		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorodecanoic acid (PFDoA)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorononanoic acid (PFNA)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorooctanoic acid (PFOA)	L402	2.0	Biofiltration Filter #3	<	4.8		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorodecanoic acid (PFTDA)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluoroundecanoic acid (PFUnA)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorododecanesulfonic acid (PFDS)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorododecanoic acid (PFDoS)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorodecanesulfonic acid (PFDS)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluoro-2-methoxyethoxyacetic acid	L402	5.0	Biofiltration Filter #3	<	5.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	Biofiltration Filter #3	<	5.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	5.0	Biofiltration Filter #3	<	5.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluoro-3-methoxypropanoic acid (PFMOPRA)	L402	5.0	Biofiltration Filter #3	<	5.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluoronanesulfonic acid (PFNS)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluoropentanoic acid (PFPeA)	L402	2.0	Biofiltration Filter #3	<	32		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	Biofiltration Filter #3	<	2.0		ng/L	---	---	---	---	0.93	02/27/2018 07:10	03/02/2018 03:26	3873654
FS	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	ADONA	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	F-53B Major	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655

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	F-53B Minor	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	GenX	L402	5.0	Biofiltration Filter #4	<	5.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	N-ethylperfluorooctane sulfonamideethanol	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	N-methylperfluorooctane sulfonamideethanol	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	Biofiltration Filter #4	<	2.4		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorobutanoic acid (PFBA)	L402	5.0	Biofiltration Filter #4	<	19		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorodecanoic acid (PFDA)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluoroheptanoic acid (PFHpA)	L402	2.0	Biofiltration Filter #4	<	12		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorohexanoic acid (PFHxA)	L402	2.0	Biofiltration Filter #4	<	29		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorododecanoic acid (PFDoA)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorononanoic acid (PFNA)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	N-ethyl Perfluorooctanesulfonamideacetic acid	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	N-methyl Perfluorooctanesulfonamideacetic acid	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorooctanoic acid (PFOA)	L402	2.0	Biofiltration Filter #4	<	4.4		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorotridecanoic acid (PFTfDA)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluoroundecanoic acid (PFUnA)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorododecanesulfonic acid (PFDS)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorododecanesulfonic acid (PFDS)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorohexadecanoic acid (PFHxDA)	L402	5.0	Biofiltration Filter #4	<	5.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluoro-2-methoxyethoxyacetic acid	L402	5.0	Biofiltration Filter #4	<	5.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	Biofiltration Filter #4	<	5.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	5.0	Biofiltration Filter #4	<	5.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluoro-3-methoxypropanoic acid (PFMOPIA)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluoronanesulfonic acid (PFNS)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluoropentanoic acid (PFPeA)	L402	2.0	Biofiltration Filter #4	<	32		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluoropentanesulfonic acid (PFPS)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
FS	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	Biofiltration Filter #4	<	2.0		ng/L	---	---	---	---	0.89	02/27/2018 07:10	03/02/2018 03:52	3873655
LFSML	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	Biofiltration Filter #4	<	1.3795	2.0	ng/L	69	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	Biofiltration Filter #4	<	2.2467	2.0	ng/L	112	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	Biofiltration Filter #4	<	3.3295	2.0	ng/L	166	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	Biofiltration Filter #4	<	2.2801	2.0	ng/L	114	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	ADONA	L402	2.0	Biofiltration Filter #4	<	2.4442	2.0	ng/L	122	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	F-53B Major	L402	2.0	Biofiltration Filter #4	<	1.7178	2.0	ng/L	86	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	F-53B Minor	L402	2.0	Biofiltration Filter #4	<	1.9460	2.0	ng/L	97	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	GenX	L402	5.0	Biofiltration Filter #4	<	5.5404	5.0	ng/L	111	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808

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 #
LFSML	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	Biofiltration Filter #4		1.8807	2.0	ng/L	94	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	N-ethylperfluorooctane sulfonamidoethanol	L402	2.0	Biofiltration Filter #4		1.7794	2.0	ng/L	89	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	Biofiltration Filter #4		1.8978	2.0	ng/L	95	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	N-methylperfluorooctane sulfonamidoethanol	L402	2.0	Biofiltration Filter #4		2.1863	2.0	ng/L	109	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	Biofiltration Filter #4		4.5313	4.38936	ng/L	107	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorobutanoic acid (PFBA)	L402	5.0	Biofiltration Filter #4		26.0791	24.0076	ng/L	141	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorodecanoic acid (PFDA)	L402	2.0	Biofiltration Filter #4		2.1463	2.0	ng/L	107	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluoroheptanoic acid (PFHpA)	L402	2.0	Biofiltration Filter #4		15.0865	14.0759	ng/L	151	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	Biofiltration Filter #4		2.5291	2.0	ng/L	126	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorohexanoic acid (PFHxA)	L402	2.0	Biofiltration Filter #4		34.1601	30.8011	ng/L	268	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorododecanoic acid (PFDoA)	L402	2.0	Biofiltration Filter #4		1.9159	2.0	ng/L	96	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorononanoic acid (PFNA)	L402	2.0	Biofiltration Filter #4		2.4763	2.0	ng/L	124	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	Biofiltration Filter #4		2.4855	2.0	ng/L	124	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	Biofiltration Filter #4		2.0734	2.0	ng/L	104	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	Biofiltration Filter #4		1.9187	2.0	ng/L	96	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorooctanoic acid (PFOA)	L402	2.0	Biofiltration Filter #4		6.6963	6.36587	ng/L	116	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorotridecanoic acid (PFTfDA)	L402	2.0	Biofiltration Filter #4		0.8882	2.0	ng/L	44	40 - 160	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluoroundecanoic acid (PFUnA)	L402	2.0	Biofiltration Filter #4		1.9182	2.0	ng/L	96	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorododecanesulfonic acid (PFDS)	L402	2.0	Biofiltration Filter #4		1.0582	2.0	ng/L	53	40 - 160	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorodecanesulfonic acid (PFHxPS)	L402	2.0	Biofiltration Filter #4		2.1335	2.0	ng/L	107	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	Biofiltration Filter #4		1.8695	2.0	ng/L	93	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluoro-2-methoxyethoxyacetic acid	L402	2.0	Biofiltration Filter #4		2.3972	2.0	ng/L	120	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	Biofiltration Filter #4		7.2676	5.0	ng/L	145	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	5.0	Biofiltration Filter #4		6.1395	5.0	ng/L	123	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluoro-3-methoxypropanoic acid (PFMOPRA)	L402	5.0	Biofiltration Filter #4		4.8998	5.0	ng/L	98	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorononanesulfonic acid (PFNS)	L402	2.0	Biofiltration Filter #4		5.3580	5.0	ng/L	107	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	Biofiltration Filter #4		1.6461	2.0	ng/L	82	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluoropentanoic acid (PFPeA)	L402	2.0	Biofiltration Filter #4		1.8911	2.0	ng/L	95	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	Biofiltration Filter #4		37.2954	33.961	ng/L	267	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
LFSML	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	Biofiltration Filter #4		1.9307	2.0	ng/L	97	50 - 150	---	---	1.0	02/27/2018 07:10	03/02/2018 04:18	3879808
FS	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:18	3879808
FS	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:18	3879808
FS	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:18	3879808
FS	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:18	3879808
FS	ADONA	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:18	3879808
FS	F-53B Major	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:18	3879808
FS	F-53B Minor	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:18	3879808
FS	GenX	L402	5.0	Biofiltration Filter #5	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:18	3879808
FS	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:18	3879808
FS	N-ethylperfluorooctane sulfonamidoethanol	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:18	3879808

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	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	N-methylperfluorooctane sulfonamidoethanol	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	Biofiltration Filter #5	<	2.6		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorobutanoic acid (PFBA)	L402	5.0	Biofiltration Filter #5	<	19		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorodecanoic acid (PFDA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluoroheptanoic acid (PFHpA)	L402	2.0	Biofiltration Filter #5	<	15		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorohexanoic acid (PFHxA)	L402	2.0	Biofiltration Filter #5	<	31		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorododecanoic acid (PFDoA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorononanoic acid (PFNA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorooctanoic acid (PFOA)	L402	2.0	Biofiltration Filter #5	<	6.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorotridecanoic acid (PFTDA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluoroundecanoic acid (PFUnA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorododecanesulfonic acid (PFDS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorododecanesulfonic acid (PFDS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluoro-2-methoxyethoxyacetic acid	L402	5.0	Biofiltration Filter #5	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	Biofiltration Filter #5	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	5.0	Biofiltration Filter #5	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluoro-3-methoxypropanoic acid (PFMOPRA)	L402	5.0	Biofiltration Filter #5	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluoronanesulfonic acid (PFNS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluoropentanoic acid (PFPeA)	L402	2.0	Biofiltration Filter #5	<	33		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FS	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FD	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 04:44	3873656
FD	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	ADONA	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	F-53B Major	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	F-53B Minor	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	GenX	L402	5.0	Biofiltration Filter #5	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	N-ethylperfluorooctane sulfonamidoethanol	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	N-methylperfluorooctane sulfonamidoethanol	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	DII Factor	Extracted	Analyzed	EEA ID #
FD	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	Biofiltration Filter #5		2.60		ng/L	---	---	1.1	50	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorobutanoic acid (PFBA)	L402	5.0	Biofiltration Filter #5		19.0		ng/L	---	---	0.3	50	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorodecanoic acid (PFDA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorohexanoic acid (PFHxA)	L402	2.0	Biofiltration Filter #5	<	14.7		ng/L	---	---	1.5	50	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorodecanoic acid (PFDoA)	L402	2.0	Biofiltration Filter #5	<	31.3		ng/L	---	---	0.3	50	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorododecanoic acid (PFDA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorooctanoic acid (PFOA)	L402	2.0	Biofiltration Filter #5	<	5.90		ng/L	---	---	1.0	50	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorotridecanoic acid (PFTrDA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluoroundecanoic acid (PFUnA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorododecanesulfonic acid (PFDS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorodecanesulfonic acid (PFDS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluoro-2-methoxyethoxyacetic acid	L402	5.0	Biofiltration Filter #5	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	Biofiltration Filter #5	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluoro-3-methoxybutanoic acid (PFMOBA)	L402	5.0	Biofiltration Filter #5	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluoro-3-methoxypropanoic acid (PFMOPPA)	L402	5.0	Biofiltration Filter #5	<	5.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluoronomanesulfonic acid (PFNS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluoropentanoic acid (PFPeA)	L402	2.0	Biofiltration Filter #5	<	32.6		ng/L	---	---	0.2	50	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
FD	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	Biofiltration Filter #5	<	2.0		ng/L	---	---	---	---	0.9	02/27/2018 07:10	03/02/2018 05:10	3879809
CCH	IS-4:2-FTS-13C2	L402	N/A	---		440641	743732	ng/L	59	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-6:2-FTS-13C2	L402	N/A	---		47728	94632	ng/L	50	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-8:2-FTS-13C2	L402	N/A	---		195492	404610	ng/L	48	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-GenX-13C3	L402	N/A	---		8861	8562	ng/L	103	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-NEFOSAA-d5	L402	N/A	---		316041	590453	ng/L	54	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-NEFOSE-d9	L402	N/A	---		41904	61151	ng/L	69	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-NIMeFOSAA-d3	L402	N/A	---		441994	766756	ng/L	58	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-NMeFOSA-d3	L402	N/A	---		249524	427341	ng/L	58	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-NMeFOSE-d7	L402	N/A	---		52666	76011	ng/L	69	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-PFBA-13C4	L402	N/A	---		1929810	2364420	ng/L	82	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-PFBS-13C3	L402	N/A	---		501356	681917	ng/L	74	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-PFDA-13C2	L402	N/A	---		2027070	3287376	ng/L	62	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-PFDoA-13C2	L402	N/A	---		1329710	2395490	ng/L	56	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-PFHxA-13C4	L402	N/A	---		3089780	4137251	ng/L	75	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179

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-PFHXA-13C2	L402	N/A	---		4145110	5259058	ng/L	79	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-PFOA-13C8	L402	N/A	---		685692	1170803	ng/L	59	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-NEFOSA-d5	L402	N/A	---		158590	284184	ng/L	56	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-PFHXS-13C3	L402	N/A	---		446853	597825	ng/L	75	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-PFNA-13C9	L402	N/A	---		2472390	3587318	ng/L	69	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-PFOA-13C2	L402	N/A	---		3092340	4393636	ng/L	70	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-PFOS-13C4	L402	N/A	---		338192	508723	ng/L	66	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-PFPeA-13C5	L402	N/A	---		1475100	1913555	ng/L	77	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-PFTeDA-13C2	L402	N/A	---		709727	1470420	ng/L	48	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	IS-PFUnA-13C7	L402	N/A	---		1403350	2610968	ng/L	54	50 - 150	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	---		1478830	200	ng/L	74	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	---		1958660	200	ng/L	98	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	---		2017740	200	ng/L	101	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	---		1913050	200	ng/L	96	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	ADONA	L402	2.0	---		2062940	200	ng/L	103	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	F-53B Major	L402	2.0	---		2025760	200	ng/L	101	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	F-53B Minor	L402	2.0	---		2384270	200	ng/L	119	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	GenX	L402	5.0	---		4880310	500	ng/L	98	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	---		1998430	200	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	N-ethylperfluorooctane sulfonamidoethanol	L402	2.0	---		1921900	200	ng/L	96	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	---		1969230	200	ng/L	98	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	N-methylperfluorooctane sulfonamidoethanol	L402	2.0	---		1940420	200	ng/L	97	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	---		2019450	200	ng/L	101	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorobutanoic acid (PFBA)	L402	5.0	---		4959750	500	ng/L	99	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorodecanoic acid (PFDA)	L402	2.0	---		2025480	200	ng/L	101	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorohexanoic acid (PFHxA)	L402	2.0	---		2012250	200	ng/L	101	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	---		1993520	200	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorohexanoic acid (PFHxA)	L402	2.0	---		1998350	200	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorododecanoic acid (PFDoA)	L402	2.0	---		1992550	200	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorooctanoic acid (PFNA)	L402	2.0	---		1958960	200	ng/L	98	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	---		2026660	200	ng/L	101	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---		2051350	200	ng/L	103	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---		2032780	200	ng/L	102	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorooctanoic acid (PFOA)	L402	2.0	---		2003520	200	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorotridecanoic acid (PFTrDA)	L402	2.0	---		1723680	200	ng/L	86	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluoroundecanoic acid (PFUnA)	L402	2.0	---		1968030	200	ng/L	98	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorododecanesulfonic acid (PFDoS)	L402	2.0	---		1649590	200	ng/L	82	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorodecanesulfonic acid (PFDS)	L402	2.0	---		2506550	200	ng/L	125	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	---		2009790	200	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	---		2015470	200	ng/L	101	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluoro-2-methoxyethoxyacetic acid	L402	5.0	---		6131990	500	ng/L	123	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179



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	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	---		513.8030	500	ng/L	103	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	5.0	---		528.3010	500	ng/L	106	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluoro-3-methoxypropanoic acid (PFMOPRA)	L402	5.0	---		491.8510	500	ng/L	98	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorononanesulfonic acid (PFNS)	L402	2.0	---		200.2710	200	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	---		198.3510	200	ng/L	99	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluoropentanoic acid (PFPeA)	L402	2.0	---		201.2270	200	ng/L	101	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	---		214.0670	200	ng/L	107	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179
CCH	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	---		200.2910	200	ng/L	100	70 - 130	---	---	1.0	02/08/2018 15:03	03/02/2018 05:36	3880179

## 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		
FD	Field Duplicate		
FS	Field Sample		
FBL	Fortified Blank Low		
LFSML	LFSM Low		
LRB	Laboratory Reagent Blank		

END OF REPORT