

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.

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

STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Missouri	880
Alaska	IN00035	Montana	CERT0026
Arizona	AZ0432	Nebraska	NE-OS-05-04
Arkansas	IN00035	Nevada	IN00035
California	2920	New Hampshire*	2124
Colorado	IN00035	New Jersey*	IN598
Colorado Radiochemistry	IN00035	New Mexico	IN00035
Connecticut	PH-0132	New York*	11398
Delaware	IN035	North Carolina	18700
Florida*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon (Primary AB)*	4074
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*	T104704187-18-12
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA014	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
EPA	IN00035		

*NELAP/TNI Recognized Accreditation Bodies

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: 485694
 Priority: Standard Written
 Status: Final
 PWS ID: NC0392020

Sample Information					
EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
4626356	202309-02_RawWaterIntake(Wet)	L402	05/12/20 09:40	Client	05/13/20 09:00
4626357	202309-01_Filter Effluent	L402	05/12/20 08:37	Client	05/13/20 09:00
4626358	202124-02_RawWaterIntake	522	05/12/20 09:40	Client	05/13/20 09:00
4626359	202124-01_Filter Effluent	522	05/12/20 08:38	Client	05/13/20 09:00

Report Summary

Note: (Samples 4626356 & 4626357) In Method L402 analysis, PFMPA is not reportable in these samples due to matrix interference in the RT window.

Note: (Samples 4626356 & 4626357): In Method L402 analysis, 10:2 Fluorotelomer sulfonic acid (10:2 FTS) @ 2.0 ng/L in the FBL (164%) was outside the acceptance limits of 50-150%.

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 Pat Muff at (574) 233-4777.

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




Authorized Signature

Title

06/17/2020

Date

Client Name: Cary/Apex WTP

Report #: 485694

Sampling Point: 202309-02_RawWaterIntake(Wet)

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	06/09/20 08:00	06/10/20 00:39	4626356
757124-72-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
919005-14-4	ADONA	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
756426-58-1	9Cl-PF3ONS/F-53B Major	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
763051-92-9	11Cl-PF3OUdS/F-53B Minor	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
13252-13-6	HFPO-DA/GenX	L402	---	5.0	< 5.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
24448-09-7	N-methylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
375-73-5	Perfluorobutanesulfonic acid (PFBS)	L402	---	2.0	4.1	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
375-22-4	Perfluorobutanoic acid (PFBA)	L402	---	5.0	8.5	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
335-76-2	Perfluorodecanoic acid (PFDA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
375-85-9	Perfluoroheptanoic acid (PFHpA)	L402	---	2.0	8.5	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	L402	---	2.0	2.5	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
307-24-4	Perfluorohexanoic acid (PFHxA)	L402	---	2.0	13	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
307-55-1	Perfluorododecanoic acid (PFDoA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
375-95-1	Perfluorononanoic acid (PFNA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	L402	---	2.0	9.9	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
335-67-1	Perfluorooctanoic acid (PFOA)	L402	---	2.0	6.9	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
2058-94-8	Perfluoroundecanoic acid (PFUnA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
335-77-3	Perfluorodecanesulfonic acid (PFDS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
67905-19-5	Perfluorohexadecanoic acid (PFHxDA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	L402	---	5.0	< 5.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
801212-59-9	Perfluoro-4-isopropoxybutanoic acid	L402	---	5.0	< 5.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	L402	---	5.0	< 5.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
68259-12-1	Perfluorononanesulfonic acid (PFNS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
754-91-6	Perfluorooctane sulfonamide (PFOSA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
2706-90-3	Perfluoropentanoic acid (PFPeA)	L402	---	2.0	12	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 00:39	4626356

Sampling Point: 202309-01_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	06/09/20 08:00	06/10/20 01:06	4626357
757124-72-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
919005-14-4	ADONA	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
756426-58-1	9Cl-PF3ONS/F-53B Major	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
763051-92-9	11Cl-PF3OUdS/F-53B Minor	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
13252-13-6	HFPO-DA/GenX	L402	---	5.0	< 5.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
24448-09-7	N-methylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
375-73-5	Perfluorobutanesulfonic acid (PFBS)	L402	---	2.0	2.8	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
375-22-4	Perfluorobutanoic acid (PFBA)	L402	---	5.0	8.2	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
335-76-2	Perfluorodecanoic acid (PFDA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
375-85-9	Perfluoroheptanoic acid (PFHpA)	L402	---	2.0	5.3	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
307-24-4	Perfluorohexanoic acid (PFHxA)	L402	---	2.0	9.7	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
307-55-1	Perfluorododecanoic acid (PFDoA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
375-95-1	Perfluorononanoic acid (PFNA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
335-67-1	Perfluorooctanoic acid (PFOA)	L402	---	2.0	3.3	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
2058-94-8	Perfluoroundecanoic acid (PFUnA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
335-77-3	Perfluorodecanesulfonic acid (PFDS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
67905-19-5	Perfluorohexadecanoic acid (PFHxDA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
151772-58-6	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	L402	---	5.0	< 5.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
801212-59-9	Perfluoro-4-isopropoxybutanoic acid	L402	---	5.0	< 5.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	L402	---	5.0	< 5.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
68259-12-1	Perfluorononanesulfonic acid (PFNS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
754-91-6	Perfluorooctane sulfonamide (PFOSA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
2706-90-3	Perfluoropentanoic acid (PFPeA)	L402	---	2.0	11	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	L402	---	2.0	< 2.0	ng/L	06/09/20 08:00	06/10/20 01:06	4626357

Sampling Point: 202124-02_RawWaterIntake

PWS ID: NC0392020

Volatile Organic Chemicals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
123-91-1	1,4-Dioxane	522	---	0.07	0.24	ug/L	05/29/20 06:50	06/01/20 11:43	4626358

Sampling Point: 202124-01_Filter Effluent

PWS ID: NC0392020

Volatile Organic Chemicals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
123-91-1	1,4-Dioxane	522	---	0.07	0.09	ug/L	05/29/20 06:50	06/01/20 12:18	4626359

† 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.

If applicable, the calculation of the matrix spike (MS) or matrix spike duplicate (MSD) percent recovery is as follows: $(MS \text{ or } MSD \text{ value} - \text{Sample value}) * 100 / \text{spike target} / \text{dilution factor} = \text{Recovery } \%$

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

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

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

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

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

Eurofins Eaton Analytical

Run Log

Run ID: 275294 Method: 522

<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	4637038		OS	DM	06/01/2020 09:28	522-03242020-DM.M
LRB	4637033		RW	DM	06/01/2020 10:03	522-03242020-DM.M
FBL	4637034		RW	DM	06/01/2020 10:37	522-03242020-DM.M
FBH	4637035		RW	DM	06/01/2020 11:09	522-03242020-DM.M
FS	4626358	202124-02_RawWaterIntake	DW	DM	06/01/2020 11:43	522-03242020-DM.M
FS	4626359	202124-01_Filter Effluent	DW	DM	06/01/2020 12:18	522-03242020-DM.M
CCM	4637039		OS	DM	06/01/2020 17:57	522-03242020-DM.M

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-Tetrahydrofuran-d8	522	N/A	---		97773	97773	ug/L	100	50 - 150	---	---	1.0	05/29/2020 10:09	06/01/2020 09:28	4637038
CCL	SS-1,4-Dioxane-d8	522	N/A	---		9.7700	10.0	ug/L	98	70 - 130	---	---	1.0	05/29/2020 10:09	06/01/2020 09:28	4637038
CCL	1,4-Dioxane	522	0.07	---		0.0670	0.07	ug/L	96	50 - 150	---	---	1.0	05/29/2020 10:09	06/01/2020 09:28	4637038
LRB	IS-Tetrahydrofuran-d8	522	N/A	---		100243	97773	ug/L	103	50 - 150	---	---	1.0	05/29/2020 06:50	06/01/2020 10:03	4637033
LRB	SS-1,4-Dioxane-d8	522	N/A	---		8.4300	10.0	ug/L	84	70 - 130	---	---	1.0	05/29/2020 06:50	06/01/2020 10:03	4637033
LRB	1,4-Dioxane	522	0.07	---	<	0.07		ug/L	---	---	---	---	1.0	05/29/2020 06:50	06/01/2020 10:03	4637033
FBL	IS-Tetrahydrofuran-d8	522	N/A	---		106810	97773	ug/L	109	50 - 150	---	---	1.0	05/29/2020 06:50	06/01/2020 10:37	4637034
FBL	SS-1,4-Dioxane-d8	522	N/A	---		8.1500	10.0	ug/L	82	70 - 130	---	---	1.0	05/29/2020 06:50	06/01/2020 10:37	4637034
FBL	1,4-Dioxane	522	0.07	---		0.0670	0.07	ug/L	96	50 - 150	---	---	1.0	05/29/2020 06:50	06/01/2020 10:37	4637034
FBH	IS-Tetrahydrofuran-d8	522	N/A	---		100790	97773	ug/L	103	50 - 150	---	---	1.0	05/29/2020 06:50	06/01/2020 11:09	4637035
FBH	SS-1,4-Dioxane-d8	522	N/A	---		8.6100	10.0	ug/L	86	70 - 130	---	---	1.0	05/29/2020 06:50	06/01/2020 11:09	4637035
FBH	1,4-Dioxane	522	0.07	---		8.3640	10.0	ug/L	84	70 - 130	---	---	1.0	05/29/2020 06:50	06/01/2020 11:09	4637035
FS	IS-Tetrahydrofuran-d8	522	N/A	202124-02_RawWaterIntake		100049	97773	ug/L	102	50 - 150	---	---	1.0	05/29/2020 06:50	06/01/2020 11:43	4626358
FS	SS-1,4-Dioxane-d8	522	N/A	202124-02_RawWaterIntake		8.2300	10.0	ug/L	82	70 - 130	---	---	1.0	05/29/2020 06:50	06/01/2020 11:43	4626358
FS	1,4-Dioxane	522	0.07	202124-02_RawWaterIntake		0.24		ug/L	---	---	---	---	1.0	05/29/2020 06:50	06/01/2020 11:43	4626358
FS	IS-Tetrahydrofuran-d8	522	N/A	202124-01_Filler Effluent		102365	97773	ug/L	105	50 - 150	---	---	1.0	05/29/2020 06:50	06/01/2020 12:18	4626359
FS	SS-1,4-Dioxane-d8	522	N/A	202124-01_Filler Effluent		7.7100	10.0	ug/L	77	70 - 130	---	---	1.0	05/29/2020 06:50	06/01/2020 12:18	4626359
FS	1,4-Dioxane	522	0.07	202124-01_Filler Effluent		0.09		ug/L	---	---	---	---	1.0	05/29/2020 06:50	06/01/2020 12:18	4626359
CCM	IS-Tetrahydrofuran-d8	522	N/A	---		98255	98255	ug/L	100	50 - 150	---	---	1.0	05/29/2020 10:09	06/01/2020 17:57	4637039
CCM	SS-1,4-Dioxane-d8	522	N/A	---		9.6300	10.0	ug/L	96	70 - 130	---	---	1.0	05/29/2020 10:09	06/01/2020 17:57	4637039
CCM	1,4-Dioxane	522	0.07	---		0.8590	1.0	ug/L	86	70 - 130	---	---	1.0	05/29/2020 10:09	06/01/2020 17:57	4637039



Eaton Analytical

Eurofins Eaton Analytical

Run Log

Run ID: 275416 Method: 522

<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	4639586		OS	DM	06/02/2020 14:53	522-03242020-DM.M
CCH	4639587		OS	DM	06/02/2020 17:22	522-03242020-DM.M

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-Tetrahydrofuran-d8	522	N/A	--		97888	97888	ug/L	100	50 - 150	---	---	1.0	05/29/2020 10:09	06/02/2020 14:53	46395586
CCL	SS-1,4-Dioxane-d8	522	N/A	--		9.7700	10.0	ug/L	98	70 - 130	---	---	1.0	05/29/2020 10:09	06/02/2020 14:53	46395586
CCL	1,4-Dioxane	522	0.07	--		0.0680	0.07	ug/L	97	50 - 150	---	---	1.0	05/29/2020 10:09	06/02/2020 14:53	46395586
CCH	IS-Tetrahydrofuran-d8	522	N/A	--		95443	95443	ug/L	100	50 - 150	---	---	1.0	05/29/2020 10:09	06/02/2020 17:22	46395587
CCH	SS-1,4-Dioxane-d8	522	N/A	--		9.2800	10.0	ug/L	93	70 - 130	---	---	1.0	05/29/2020 10:09	06/02/2020 17:22	46395587
CCH	1,4-Dioxane	522	0.07	--		9.1380	10.0	ug/L	91	70 - 130	---	---	1.0	05/29/2020 10:09	06/02/2020 17:22	46395587

Eurofins Eaton Analytical

Run Log

Run ID: 275731 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	4645183		OS	FL	06/09/2020 22:54	30920L402a-PFCQuant-NTA.mc
LRB	4645169		RW	FL	06/09/2020 23:20	30920L402a-PFCQuant-NTA.mc
FBL	4645170		RW	FL	06/09/2020 23:47	30920L402a-PFCQuant-NTA.mc
FS	4626356	202309-02_RawWaterIntake(Wet)	DW	FL	06/10/2020 00:39	30920L402a-PFCQuant-NTA.mc
FS	4626357	202309-01_Filter Effluent	DW	FL	06/10/2020 01:06	30920L402a-PFCQuant-NTA.mc
CCM	4645184		OS	FL	06/10/2020 05:29	30920L402a-PFCQuant-NTA.mc

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	--		1746790	1842921	ng/L	95	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-6:2-FTS-13C2	L402	N/A	--		383873	351125	ng/L	109	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-8:2-FTS-13C2	L402	N/A	--		1059190	943167	ng/L	112	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-GenX-13C3	L402	N/A	--		41081	35853	ng/L	115	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-NEFOSAA-d5	L402	N/A	--		1105110	907751	ng/L	122	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-NEIFOSE-d9	L402	N/A	--		140463	141369	ng/L	99	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-NMeFOSAA-d3	L402	N/A	--		1414910	1327146	ng/L	107	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-NMeFOSA-d3	L402	N/A	--		1059090	1191243	ng/L	89	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-NMeFOSE-d7	L402	N/A	--		151492	151720	ng/L	100	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFBA-13C4	L402	N/A	--		3957440	3723826	ng/L	106	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFBS-13C3	L402	N/A	--		2047640	1942088	ng/L	105	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFDA-13C2	L402	N/A	--		7363980	5804168	ng/L	127	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFDoA-13C2	L402	N/A	--		4390820	4175451	ng/L	105	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFHpa-13C4	L402	N/A	--		8761330	7807873	ng/L	112	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFHXA-13C2	L402	N/A	--		6310650	5743298	ng/L	110	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFOSA-13C8	L402	N/A	--		3355950	3171905	ng/L	106	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-NEFOSA-d5	L402	N/A	--		864577	995027	ng/L	87	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFHKS-13C3	L402	N/A	--		1534050	1444470	ng/L	106	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFNA-13C9	L402	N/A	--		8258630	7117648	ng/L	116	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFOA-13C2	L402	N/A	--		13114500	11677250	ng/L	112	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFOS-13C4	L402	N/A	--		1174800	1106309	ng/L	106	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFPeA-13C5	L402	N/A	--		3708720	3460240	ng/L	107	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFTeDA-13C2	L402	N/A	--		1021360	1425360	ng/L	72	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	IS-PFUaA-13C7	L402	N/A	--		5798920	4763520	ng/L	122	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	--		2.0924	2.0	ng/L	105	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	--		2.1116	2.0	ng/L	106	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	--		1.7654	2.0	ng/L	88	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	--		2.1662	2.0	ng/L	108	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	ADONA	L402	2.0	--		1.9082	2.0	ng/L	95	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	9C1-PF3ONSIF-53B Major	L402	2.0	--		1.6155	2.0	ng/L	81	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	11C1-PF3OUsIF-53B Minor	L402	2.0	--		1.6905	2.0	ng/L	85	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	HFO-DA/GenX	L402	5.0	--		4.4108	5.0	ng/L	88	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	N-methylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	--		1.7358	2.0	ng/L	87	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	N-methylperfluorooctane sulfonamideethanol	L402	2.0	--		1.7429	2.0	ng/L	87	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	--		1.7287	2.0	ng/L	86	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	N-methylperfluorooctane sulfonamideethanol	L402	2.0	--		1.8307	2.0	ng/L	92	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	--		1.7697	2.0	ng/L	88	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorobutanoic acid (PFBA)	L402	5.0	--		4.3437	5.0	ng/L	87	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorodecanoic acid (PFDA)	L402	2.0	--		1.7685	2.0	ng/L	88	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluoroheptanoic acid (PFHpA)	L402	2.0	--		1.7990	2.0	ng/L	90	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183

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	---		1.7585	2.0	ng/L	88	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorohexanoic acid (PFHxA)	L402	2.0	---		1.8430	2.0	ng/L	92	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorododecanoic acid (PFDoA)	L402	2.0	---		1.7665	2.0	ng/L	88	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorononanoic acid (PFNA)	L402	2.0	---		1.7799	2.0	ng/L	89	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	---		1.8270	2.0	ng/L	91	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---		1.8429	2.0	ng/L	92	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---		1.7634	2.0	ng/L	88	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorooctanoic acid (PFOA)	L402	2.0	---		1.8245	2.0	ng/L	91	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorotridecanoic acid (PFTtDA)	L402	2.0	---		1.9113	2.0	ng/L	96	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluoroundecanoic acid (PFUnA)	L402	2.0	---		1.7502	2.0	ng/L	88	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorododecanesulfonic acid (PFDoS)	L402	2.0	---		2.0946	2.0	ng/L	105	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorodecanesulfonic acid (PFDS)	L402	2.0	---		1.8436	2.0	ng/L	92	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	---		1.6699	2.0	ng/L	83	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	---		2.0808	2.0	ng/L	104	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	L402	5.0	---		4.2558	5.0	ng/L	85	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	---		5.5481	5.0	ng/L	111	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluoro-4-methoxybutanoic acid (PFMBA)	L402	5.0	---		5.1799	5.0	ng/L	104	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluoronanesulfonic acid (PFNS)	L402	2.0	---		1.4398	2.0	ng/L	72	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	---		1.7721	2.0	ng/L	89	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluoropentanoic acid (PFPeA)	L402	2.0	---		1.8236	2.0	ng/L	91	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	---		1.7206	2.0	ng/L	86	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
CCL	Perfluorotetradecanoic acid (PFTtDA)	L402	2.0	---		1.8502	2.0	ng/L	93	50 - 150	---	---	1.0	06/09/2020 15:38	06/09/2020 22:54	4645183
LRB	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	ADONA	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	9Cl-PF3ONS/F-53B Major	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	11Cl-PF3OUdS/F-53B Minor	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	HFPO-DA/GenX	L402	5.0	---	<	5.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	N-ethylperfluorooctane sulfonamidoethanol	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	N-methylperfluorooctane sulfonamide (MMeFOSA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	N-methylperfluorooctane sulfonamidoethanol	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorobutanoic acid (PFBA)	L402	5.0	---	<	5.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorodecanoic acid (PFDA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluoroheptanoic acid (PFHpA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorohexanoic acid (PFHxA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorododecanoic acid (PFDoA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169

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	Perfluorononanoic acid (PFNA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorooctanoic acid (PFOA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorotridecanoic acid (PFTDA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluoroundecanoic acid (PFUnA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorododecanesulfonic acid (PFDoS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorododecanesulfonic acid (PFDoS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	L402	5.0	---	<	5.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	---	<	5.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluoro-4-methoxybutanoic acid (PFMBA)	L402	5.0	---	<	5.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluoronanesulfonic acid (PFNS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluoropentanoic acid (PFPeS)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
LRB	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	---	<	2.0		ng/L	---	---	---	---	1.0	06/09/2020 08:00	06/09/2020 23:20	4645169
FBL	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	---	<	3.2803	2.0	ng/L	164	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	---	<	2.1996	2.0	ng/L	110	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	---	<	1.9654	2.0	ng/L	98	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	---	<	2.2282	2.0	ng/L	111	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	ADONA	L402	2.0	---	<	1.9799	2.0	ng/L	99	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	9CI-PF3ONSIF-53B Major	L402	2.0	---	<	1.9166	2.0	ng/L	96	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	11CI-PF3OUdSIF-53B Minor	L402	2.0	---	<	2.0652	2.0	ng/L	103	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	HFPO-DA/GenX	L402	5.0	---	<	4.5845	5.0	ng/L	92	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	---	<	2.0425	2.0	ng/L	102	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	N-ethylperfluorooctane sulfonamidoethanol	L402	2.0	---	<	1.8202	2.0	ng/L	91	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	---	<	2.0148	2.0	ng/L	101	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	N-methylperfluorooctane sulfonamidoethanol	L402	2.0	---	<	2.1522	2.0	ng/L	108	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	---	<	1.8256	2.0	ng/L	91	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorobutanoic acid (PFBA)	L402	5.0	---	<	4.6561	5.0	ng/L	93	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorodecanoic acid (PFDA)	L402	2.0	---	<	1.8328	2.0	ng/L	92	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorohexanoic acid (PFHxA)	L402	2.0	---	<	1.9125	2.0	ng/L	96	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	---	<	1.8005	2.0	ng/L	90	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorohexanoic acid (PFHxA)	L402	2.0	---	<	1.9463	2.0	ng/L	97	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorododecanoic acid (PFDoA)	L402	2.0	---	<	1.9697	2.0	ng/L	98	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorononanoic acid (PFNA)	L402	2.0	---	<	1.8723	2.0	ng/L	94	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	---	<	1.9505	2.0	ng/L	98	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---	<	2.0643	2.0	ng/L	103	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170

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	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	---		1.7984	2.0	ng/L	90	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorooctanoic acid (PFOA)	L402	2.0	---		2.1351	2.0	ng/L	107	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorotridecanoic acid (PFTDA)	L402	2.0	---		1.7004	2.0	ng/L	85	40 - 160	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluoroundecanoic acid (PFUnA)	L402	2.0	---		1.9090	2.0	ng/L	95	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorododecanesulfonic acid (PFDoS)	L402	2.0	---		2.0888	2.0	ng/L	104	40 - 160	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorododecanesulfonic acid (PFDS)	L402	2.0	---		2.5915	2.0	ng/L	130	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	---		1.5571	2.0	ng/L	78	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	---		2.5344	2.0	ng/L	127	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Nonfluoro-3,6-dioxahexanoic acid (NFdHA)	L402	5.0	---		5.9711	5.0	ng/L	119	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	---		5.3621	5.0	ng/L	107	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluoro-4-methoxybutanoic acid (PFMBA)	L402	5.0	---		5.2720	5.0	ng/L	105	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluoronanesulfonic acid (PFNS)	L402	2.0	---		1.8654	2.0	ng/L	93	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	---		1.9021	2.0	ng/L	95	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluoropentanoic acid (PFPeA)	L402	2.0	---		1.9335	2.0	ng/L	97	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	---		1.7761	2.0	ng/L	89	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FBL	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	---		1.8539	2.0	ng/L	93	50 - 150	---	---	1.0	06/09/2020 08:00	06/09/2020 23:47	4645170
FS	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	ADONA	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	9CI-PF3ONS/F-53B Major	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	11CI-PF3OUs/F-53B Minor	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	HFPO-DA/GenX	L402	5.0	202309-02_RawWaterIntake(Wet)	<	5.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	N-ethylperfluorooctane sulfonamideethanol	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	N-methylperfluorooctane sulfonamideethanol	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	4.1		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorobutanoic acid (PFBA)	L402	5.0	202309-02_RawWaterIntake(Wet)	<	8.5		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorodecanoic acid (PFDA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluoroheptanoic acid (PFHpA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	8.5		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.5		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorohexanoic acid (PFHxA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	13		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorododecanoic acid (PFDoA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorononanoic acid (PFNA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	9.9		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorooctanoic acid (PFOA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	6.9		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorotridecanoic acid (PFTDA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356

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	Perfluoroundecanoic acid (PFUnA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorododecanesulfonic acid (PFDoS)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorododecanesulfonic acid (PFDS)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Nonfluoro-3,6-dioxahexanoic acid (NFdHA)	L402	5.0	202309-02_RawWaterIntake(Wet)	<	5.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluoro-4-isopropoxybutanoic acid (PFIMBA)	L402	5.0	202309-02_RawWaterIntake(Wet)	<	5.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorononanesulfonic acid (PFNS)	L402	5.0	202309-02_RawWaterIntake(Wet)	<	5.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluoropentanoic acid (PFPeA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	12		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	ADONA	L402	2.0	202309-02_RawWaterIntake(Wet)	<	2.0		ng/L	---	---	---	---	0.91	06/09/2020 08:00	06/10/2020 00:39	4626356
FS	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	ADONA	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	9C,1PF3ONS/F-53B Major	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	11C,1PF3OUs/F-53B Minor	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	HPPO-DA/GenX	L402	5.0	202309-01_Filter Effluent	<	5.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	N-ethylperfluorooctane sulfonamideethanol	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	N-methylperfluorooctane sulfonamideethanol	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	202309-01_Filter Effluent	<	2.8		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorobutanoic acid (PFBA)	L402	5.0	202309-01_Filter Effluent	<	8.2		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorodecanoic acid (PFDA)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorohexanoic acid (PFHxA)	L402	2.0	202309-01_Filter Effluent	<	5.3		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorohexanoic acid (PFHxA)	L402	2.0	202309-01_Filter Effluent	<	9.7		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorododecanoic acid (PFDoA)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorononanoic acid (PFNA)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorooctanesulfonic acid (PFOS)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorooctanoic acid (PFOA)	L402	2.0	202309-01_Filter Effluent	<	3.3		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorotridecanoic acid (PFTTDA)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluoroundecanoic acid (PFUnA)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorododecanesulfonic acid (PFDoS)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorododecanesulfonic acid (PFDS)	L402	2.0	202309-01_Filter Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357

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	Perfluoroheptanesulfonic acid (PFHpS)	L402	2.0	202309-01_Filler Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	202309-01_Filler Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Nonafluoro-3,6-dioxahexanoic acid (NFdHA)	L402	5.0	202309-01_Filler Effluent	<	5.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	202309-01_Filler Effluent	<	5.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluoro-4-methoxybutanoic acid (PFMBA)	L402	5.0	202309-01_Filler Effluent	<	5.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluoronanesulfonic acid (PFNS)	L402	2.0	202309-01_Filler Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	202309-01_Filler Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluoropentanoic acid (PFPeA)	L402	2.0	202309-01_Filler Effluent	<	11		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	202309-01_Filler Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
FS	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	202309-01_Filler Effluent	<	2.0		ng/L	---	---	---	---	0.89	06/09/2020 08:00	06/10/2020 01:06	4626357
CCM	IS-4:2-FTS-13C2	L402	N/A	---		1411970	1842921	ng/L	77	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-6:2-FTS-13C2	L402	N/A	---		268065	351125	ng/L	76	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-8:2-FTS-13C2	L402	N/A	---		729205	943167	ng/L	77	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-GenX-13C3	L402	N/A	---		35043	35853	ng/L	98	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-NEIFOSAA-d5	L402	N/A	---		643777	907751	ng/L	71	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-NEIFOSE-d9	L402	N/A	---		108645	141369	ng/L	77	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-NMeFOSAA-d3	L402	N/A	---		1071920	1327146	ng/L	81	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-NMeFOSA-d3	L402	N/A	---		959135	1191243	ng/L	81	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-NMeFOSE-d7	L402	N/A	---		117364	151720	ng/L	77	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFBA-13C4	L402	N/A	---		3121940	3723826	ng/L	84	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFBS-13C3	L402	N/A	---		1699360	1942088	ng/L	88	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFDA-13C2	L402	N/A	---		4669170	5804168	ng/L	80	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFDoA-13C2	L402	N/A	---		3424440	4175451	ng/L	82	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFHpA-13C4	L402	N/A	---		6786200	7807873	ng/L	87	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFHxA-13C2	L402	N/A	---		5203250	5743298	ng/L	91	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFOA-13C8	L402	N/A	---		2483370	3171905	ng/L	78	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-NEIFOSA-d5	L402	N/A	---		786596	995027	ng/L	79	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFHXS-13C3	L402	N/A	---		1198570	1444470	ng/L	83	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFNA-13C9	L402	N/A	---		5909410	7117648	ng/L	83	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFOA-13C2	L402	N/A	---		10127200	11677250	ng/L	87	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFOS-13C4	L402	N/A	---		922676	1106309	ng/L	83	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFPeA-13C5	L402	N/A	---		3195660	3460240	ng/L	92	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFTeDA-13C2	L402	N/A	---		1221980	1425360	ng/L	86	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	IS-PFUnA-13C7	L402	N/A	---		3613970	4763520	ng/L	76	50 - 150	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	2.0	---		99.3246	100	ng/L	99	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	2.0	---		109.5450	100	ng/L	110	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	2.0	---		100.3160	100	ng/L	100	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	2.0	---		107.9920	100	ng/L	108	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	ADONA	L402	2.0	---		104.7750	100	ng/L	105	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	9C+PF3ONS/F-53B Major	L402	2.0	---		99.0543	100	ng/L	99	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	11C+PF3OUdS/F-53B Minor	L402	2.0	---		97.6628	100	ng/L	98	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184

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	HFPO-DA/GenX	L402	5.0	---		251.8650	250	ng/L	101	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	N-ethylperfluorooctane sulfonamide (NEFOSA)	L402	2.0	---		100.0980	100	ng/L	100	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	N-ethylperfluorooctane sulfonamideethanol	L402	2.0	---		100.6730	100	ng/L	101	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	2.0	---		100.8560	100	ng/L	101	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	N-methylperfluorooctane sulfonamideethanol	L402	2.0	---		98.2575	100	ng/L	98	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorobutanesulfonic acid (PFBS)	L402	2.0	---		99.7734	100	ng/L	100	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorobutanoic acid (PFBA)	L402	2.0	---		247.8500	250	ng/L	99	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorodecanoic acid (PFDA)	L402	2.0	---		99.4108	100	ng/L	99	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorohexanoic acid (PFHxA)	L402	2.0	---		100.9520	100	ng/L	101	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorooctanoic acid (PFHxS)	L402	2.0	---		99.1254	100	ng/L	99	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorodecanic acid (PFDoA)	L402	2.0	---		100.0270	100	ng/L	100	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorododecanoic acid (PFDA)	L402	2.0	---		96.1833	100	ng/L	96	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorotridecanoic acid (PFTrDA)	L402	2.0	---		101.6100	100	ng/L	102	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	---		98.6614	100	ng/L	99	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	N-ethylperfluorooctanesulfonamidoacetic acid	L402	2.0	---		103.0530	100	ng/L	103	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	N-methylperfluorooctanesulfonamidoacetic acid	L402	2.0	---		99.8598	100	ng/L	100	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorooctanoic acid (PFOA)	L402	2.0	---		98.7067	100	ng/L	99	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorodecanesulfonic acid (PFDoS)	L402	2.0	---		107.8780	100	ng/L	108	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluoroundecanoic acid (PFUnA)	L402	2.0	---		102.9770	100	ng/L	103	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorododecanesulfonic acid (PFDDoS)	L402	2.0	---		100.5050	100	ng/L	101	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorodecanesulfonic acid (PFDS)	L402	2.0	---		102.4720	100	ng/L	102	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorohexanesulfonic acid (PFHxS)	L402	2.0	---		101.2480	100	ng/L	101	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorohexadecanoic acid (PFHxDA)	L402	2.0	---		97.8329	100	ng/L	98	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	L402	5.0	---		295.2530	250	ng/L	118	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluoro-4-isopropoxybutanoic acid	L402	5.0	---		284.4520	250	ng/L	114	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluoro-4-methoxybutanoic acid (PFMBA)	L402	5.0	---		286.6360	250	ng/L	115	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluoronanesulfonic acid (PFNS)	L402	2.0	---		106.6030	100	ng/L	107	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorooctane sulfonamide (PFOSA)	L402	2.0	---		102.3360	100	ng/L	102	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluoropentanoic acid (PFPeA)	L402	2.0	---		101.8250	100	ng/L	102	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluoropentanesulfonic acid (PFPeS)	L402	2.0	---		98.8146	100	ng/L	99	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184
CCM	Perfluorotetradecanoic acid (PFTeDA)	L402	2.0	---		101.7090	100	ng/L	102	70 - 130	---	---	1.0	06/09/2020 15:38	06/10/2020 05:29	4645184

Sample Type Key

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

END OF REPORT