



Per- and Polyfluoroalkyl Substances (PFAS) Report

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I. PWS INFORMATION: Please refer to your MassDEP Water Quality Sampling Schedule (WQSS) to help complete this form

PWS ID #: **2177000** City / Town: **Medway**

PWS Name: **Medway Water Department** PWS Class: COM ☒ NTNC ☐ TNC ☐

MassDEP LOCATION (LOC) ID#	MassDEP Location Name	Sample Information		Date Collected	Collected By
2177000-04G	Well #4 – Industrial Park Road	☒ (M)ultiple ☐ (S)ingle	☒ (R)aw ☐ (F)inished	7/20/2020	Alysa Longo
Routine or Special Sample ☐ RS ☒ SS	Original, Resubmitted or Confirmation Report ☒ Original ☐ Resubmitted ☐ Confirmation	If Resubmitted Report, list below:			
		(1) Reason for Resubmission ☐ Resample ☐ Reanalysis ☐ Report Correction		(2) Collection Date of Original Sample	
SAMPLE NOTES – Such as, if a Manifold/Multiple sample, list the source(s) that were on-line during sample collection.					
None					

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab Cert. #: **E87856** Primary Lab Name: **Battelle** Subcontracted? (Y/N) **N**

Analysis Lab Cert. #: Analysis Lab Name:

If Analysis Lab is not certified by MassDEP or U.S. EPA, list certification authority:

Lab Method	Date Extracted	Date Analyzed	Lab Sample ID#	LAB SAMPLE NOTES - Include information as to whether sample was diluted or additional contaminants detected.
537.1	7/23/2020	7/29/2020	H7417	Results are average of three replicates

CAS#	REGULATED AND UNREGULATED PFAS CONTAMINANTS	Report One of the Following			ORSG ¹ ng/L	MRL ² ng/L
		Results ³ ng/L	<MRL (Check a)	<1/3MRL (Check a)		
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	1.90	☐	☐	20	1.76
335-67-1	Perfluorooctanoic Acid (PFOA)	5.64	☐	☐	20	1.76
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)		☒	☐	20	1.76
375-95-1	Perfluorononanoic Acid (PFNA)		☒	☐	20	1.76
375-85-9	Perfluorohexadecanoic Acid (PFHpA)	2.23	☐	☐	20	1.76
335-76-2	Perfluorodecanoic acid (PFDA)		☐	☒	20	1.76
375-73-5	Perfluorobutane sulfonic acid (PFBS)	2.37	☐	☐	-	1.76
307-55-1	Perfluorododecanoic acid (PFDoA)		☐	☒	-	1.76
307-24-4	Perfluorohexanoic acid (PFHxA)	3.31	☐	☐	-	1.76
376-06-7	Perfluorotetradecanoic acid (PFTA)		☐	☒	-	1.76
72629-94-8	Perfluorotridecanoic acid (PFTDA)		☐	☒	-	1.76
2058-94-8	Perfluoroundecanoic acid (PFUnA)		☐	☒	-	1.76
2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		☐	☒	-	1.76
2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		☐	☒	-	1.76
763051-92-9	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)		☐	☒	-	1.76
756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)		☐	☒	-	1.76
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)		☐	☒	-	1.76
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		☐	☒	-	1.76

¹ The MassDEP ORSG is 20 ng/L calculated to 2 significant figures for PFOA, PFOS, PFHxS, PFNA, PFHpA and PFDA, individually or added together.² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory conditions.³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.

3-9-2020



Per- and Polyfluoroalkyl Substances (PFAS) Report

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PWS ID#:

2177000

Lab Sample ID#:

H7417

CAS#	REGULATED AND UNREGULATED PFAS CONTAMINANTS	Report One of the Following			ORSG ¹ ng/L	MRL ² ng/L
		Results ³ ng/L	<MRL (Check a)	<1/3MRL (Check a)		
			☐	☐		
			☐	☐		
			☐	☐		
			☐	☐		
			☐	☐		
			☐	☐		
			☐	☐		
			☐	☐		
			☐	☐		
			☐	☐		
			☐	☐		
			☐	☐		

¹ The MassDEP ORSG is 20 ng/L calculated to 2 significant figures for PFOA, PFOS, PFHxS, PFNA, PFHpA and PFDA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory conditions.

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.

☐ Check this box if attaching lab report to show additional PFAS results/contaminants tested.

Surrogate Name	% Recovery (70 – 130%)
13C2-PFHxA	104
13C2-PFDA	96
d5-EtFOSAA	98
13C3-HFPO-DA	94

In addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extraction batch that includes this sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method.

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature: _____

Date: 8/18/2020

If not submitting these results electronically, mail TWO copies of this report to your MassDEP Regional Office no later than 10 days after the end of the month in which you received this report or no later than 10 days after the end of the reporting period, whichever is sooner.

MassDEP REVIEW STATUS (Initial & Date) ☐ Accepted _____ ☐ Disapproved _____	Review Comments	☐ WQTS Data Entered
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Project Client: Environmental Partners
 Project Name: PFAS in Drinking Water
 Project No.: 100105456-0055

Client ID Industrial Park Rd Well-RW-Sample

Battelle ID H7417-FS
 Sample Type SA
 Collection Date 07/20/2020
 Extraction Date 07/23/2020
 Analytical Instrument Sciex 5500 LC/MS/MS
 % Moisture NA
 Matrix DW
 Sample Size 0.285
 Size Unit-Basis L

Analyte	CAS No.	Result (ng/L)	Extract ID	DF	Analysis Date	DL	LOD	LOQ
PFHxA	307-24-4	3.26	H7417-FS(0)	1.000	7/29/2020	0.20	0.44	1.75
PFHpA	375-85-9	2.22	H7417-FS(0)	1.000	7/29/2020	0.20	0.44	1.75
PFOA	335-67-1	5.85	H7417-FS(0)	1.000	7/29/2020	0.18	0.44	1.75
PFNA	375-95-1	0.88 J	H7417-FS(0)	1.000	7/29/2020	0.11	0.35	1.75
PFDA	335-76-2	0.35 U	H7417-FS(0)	1.000	7/29/2020	0.10	0.35	1.75
PFUnA	2058-94-8	0.35 U	H7417-FS(0)	1.000	7/29/2020	0.09	0.35	1.75
PFDoA	307-55-1	0.44 U	H7417-FS(0)	1.000	7/29/2020	0.12	0.44	1.75
PFTTrDA	72629-94-8	0.35 U	H7417-FS(0)	1.000	7/29/2020	0.09	0.35	1.75
PFTeDA	376-06-7	0.44 U	H7417-FS(0)	1.000	7/29/2020	0.19	0.44	1.75
NMeFOSAA	2355-31-9	0.44 U	H7417-FS(0)	1.000	7/29/2020	0.18	0.44	1.75
NEtFOSAA	2991-50-6	0.44 U	H7417-FS(0)	1.000	7/29/2020	0.15	0.44	1.75
PFBS	375-73-5	2.53	H7417-FS(0)	1.000	7/29/2020	0.11	0.35	1.75
PFHxS	355-46-4	1.24 J	H7417-FS(0)	1.000	7/29/2020	0.11	0.35	1.75
PFOS	1763-23-1	2.01	H7417-FS(0)	1.000	7/29/2020	0.13	0.44	1.75
HFPO-DA	13252-13-6	0.35 U	H7417-FS(0)	1.000	7/29/2020	0.08	0.35	1.75
Adona	919005-14-4	0.35 U	H7417-FS(0)	1.000	7/29/2020	0.11	0.35	1.75
11Cl-PF3OUdS	763051-92-9	0.35 U	H7417-FS(0)	1.000	7/29/2020	0.09	0.35	1.75
9Cl-PF3ONS	756426-58-1	0.35 U	H7417-FS(0)	1.000	7/29/2020	0.11	0.35	1.75

<i>Surrogate Recoveries (%)</i>		Analysis		
	Recovery	Extract ID	Date	
13C2-PFHxA	107	H7417-FS(0)	7/29/2020	
13C2-PFDA	100	H7417-FS(0)	7/29/2020	
d5-EtFOSAA	99	H7417-FS(0)	7/29/2020	
13C3-HFPO-DA	97	H7417-FS(0)	7/29/2020	



Project Client: Environmental Partners
 Project Name: PFAS in Drinking Water
 Project No.: 100105456-0055

Client ID Industrial Park Rd Well-RW-Duplicate

Battelle ID H7418DUP-FS
 Sample Type QADU
 Collection Date 07/20/2020
 Extraction Date 07/23/2020
 Analytical Instrument Sciex 5500 LC/MS/MS
 % Moisture NA
 Matrix DW
 Sample Size 0.280

Analyte	CAS No.	Result (ng/L)	Extract ID	DF	Analysis Date	DL	LOD	LOQ
PFHxA	307-24-4	3.81	H7418DUP-FS(0)	1.000	7/29/2020	0.21	0.45	1.79
PFHpA	375-85-9	2.53	H7418DUP-FS(0)	1.000	7/29/2020	0.21	0.45	1.79
PFOA	335-67-1	6.07	H7418DUP-FS(0)	1.000	7/29/2020	0.18	0.45	1.79
PFNA	375-95-1	0.92 J	H7418DUP-FS(0)	1.000	7/29/2020	0.11	0.36	1.79
PFDA	335-76-2	0.36 U	H7418DUP-FS(0)	1.000	7/29/2020	0.10	0.36	1.79
PFUnA	2058-94-8	0.36 U	H7418DUP-FS(0)	1.000	7/29/2020	0.09	0.36	1.79
PFDoA	307-55-1	0.45 U	H7418DUP-FS(0)	1.000	7/29/2020	0.13	0.45	1.79
PFTTrDA	72629-94-8	0.36 U	H7418DUP-FS(0)	1.000	7/29/2020	0.09	0.36	1.79
PFTeDA	376-06-7	0.45 U	H7418DUP-FS(0)	1.000	7/29/2020	0.20	0.45	1.79
NMeFOSAA	2355-31-9	0.45 U	H7418DUP-FS(0)	1.000	7/29/2020	0.18	0.45	1.79
NEtFOSAA	2991-50-6	0.45 U	H7418DUP-FS(0)	1.000	7/29/2020	0.15	0.45	1.79
PFBS	375-73-5	2.50	H7418DUP-FS(0)	1.000	7/29/2020	0.11	0.36	1.79
PFHxS	355-46-4	1.28 J	H7418DUP-FS(0)	1.000	7/29/2020	0.11	0.36	1.79
PFOS	1763-23-1	2.06	H7418DUP-FS(0)	1.000	7/29/2020	0.13	0.45	1.79
HFPO-DA	13252-13-6	0.36 U	H7418DUP-FS(0)	1.000	7/29/2020	0.08	0.36	1.79
Adona	919005-14-4	0.36 U	H7418DUP-FS(0)	1.000	7/29/2020	0.11	0.36	1.79
11CI-PF3OUdS	763051-92-9	0.36 U	H7418DUP-FS(0)	1.000	7/29/2020	0.09	0.36	1.79
9CI-PF3ONS	756426-58-1	0.36 U	H7418DUP-FS(0)	1.000	7/29/2020	0.11	0.36	1.79

Surrogate Recoveries (%)		Recovery	Extract ID	Analysis Date
13C2-PFHxA		113	H7418DUP-FS(0)	7/29/2020
13C2-PFDA		102	H7418DUP-FS(0)	7/29/2020
d5-EtFOSAA		108	H7418DUP-FS(0)	7/29/2020
13C3-HFPO-DA		103	H7418DUP-FS(0)	7/29/2020

Analyzed by: Schultz, Stephanie
 Printed: 8/10/2020



Project Client: Environmental Partners
 Project Name: PFAS in Drinking Water
 Project No.: 100105456-0055

Client ID Industrial Park Rd Well-RW-Triplicate

Battelle ID H7419TRP-FS
 Sample Type QATP
 Collection Date 07/20/2020
 Extraction Date 07/23/2020
 Analytical Instrument Sciex 5500 LC/MS/MS
 % Moisture NA
 Matrix DW
 Sample Size 0.285
 Size Unit-Basis L

Analyte	CAS No.	Result (ng/L)	Extract ID	DF	Analysis Date	DL	LOD	LOQ
PFHxA	307-24-4	2.87	H7419TRP-FS(0)	1.000	7/29/2020	0.20	0.44	1.75
PFHpA	375-85-9	1.95	H7419TRP-FS(0)	1.000	7/29/2020	0.20	0.44	1.75
PFOA	335-67-1	5.01	H7419TRP-FS(0)	1.000	7/29/2020	0.18	0.44	1.75
PFNA	375-95-1	0.79 J	H7419TRP-FS(0)	1.000	7/29/2020	0.11	0.35	1.75
PFDA	335-76-2	0.35 U	H7419TRP-FS(0)	1.000	7/29/2020	0.10	0.35	1.75
PFUnA	2058-94-8	0.35 U	H7419TRP-FS(0)	1.000	7/29/2020	0.09	0.35	1.75
PFDoA	307-55-1	0.44 U	H7419TRP-FS(0)	1.000	7/29/2020	0.12	0.44	1.75
PFTTrDA	72629-94-8	0.35 U	H7419TRP-FS(0)	1.000	7/29/2020	0.09	0.35	1.75
PFTeDA	376-06-7	0.44 U	H7419TRP-FS(0)	1.000	7/29/2020	0.19	0.44	1.75
NMeFOSAA	2355-31-9	0.44 U	H7419TRP-FS(0)	1.000	7/29/2020	0.18	0.44	1.75
NEtFOSAA	2991-50-6	0.44 U	H7419TRP-FS(0)	1.000	7/29/2020	0.15	0.44	1.75
PFBS	375-73-5	2.08	H7419TRP-FS(0)	1.000	7/29/2020	0.11	0.35	1.75
PFHxS	355-46-4	1.00 J	H7419TRP-FS(0)	1.000	7/29/2020	0.11	0.35	1.75
PFOS	1763-23-1	1.63 J	H7419TRP-FS(0)	1.000	7/29/2020	0.13	0.44	1.75
HFPO-DA	13252-13-6	0.35 U	H7419TRP-FS(0)	1.000	7/29/2020	0.08	0.35	1.75
Adona	919005-14-4	0.35 U	H7419TRP-FS(0)	1.000	7/29/2020	0.11	0.35	1.75
11CI-PF3OUdS	763051-92-9	0.35 U	H7419TRP-FS(0)	1.000	7/29/2020	0.09	0.35	1.75
9CI-PF3ONS	756426-58-1	0.35 U	H7419TRP-FS(0)	1.000	7/29/2020	0.11	0.35	1.75

Surrogate Recoveries (%)		Recovery	Extract ID	Analysis Date
13C2-PFHxA		91	H7419TRP-FS(0)	7/29/2020
13C2-PFDA		85	H7419TRP-FS(0)	7/29/2020
d5-EtFOSAA		88	H7419TRP-FS(0)	7/29/2020
13C3-HFPO-DA		82	H7419TRP-FS(0)	7/29/2020

Analyzed by: Schultz, Stephanie
 Printed: 8/10/2020



Project Client: Environmental Partners
 Project Name: PFAS in Drinking Water
 Project No.: 100105456-0055

Client ID Field Reagent Blank (FRB)

Battelle ID H7420-FS
 Sample Type SA
 Collection Date 07/20/2020
 Extraction Date 07/23/2020
 Analytical Instrument Sciex 5500 LC/MS/MS
 % Moisture NA
 Matrix DW
 Sample Size 0.275
 Size Unit-Basis L

Analyte	CAS No.	Result (ng/L)	Extract ID	DF	Analysis Date	DL	LOD	LOQ
PFHxA	307-24-4	0.45 U	H7420-FS(0)	1.000	7/29/2020	0.21	0.45	1.82
PFHpA	375-85-9	0.45 U	H7420-FS(0)	1.000	7/29/2020	0.21	0.45	1.82
PFOA	335-67-1	0.45 U	H7420-FS(0)	1.000	7/29/2020	0.18	0.45	1.82
PFNA	375-95-1	0.36 U	H7420-FS(0)	1.000	7/29/2020	0.11	0.36	1.82
PFDA	335-76-2	0.36 U	H7420-FS(0)	1.000	7/29/2020	0.10	0.36	1.82
PFUnA	2058-94-8	0.36 U	H7420-FS(0)	1.000	7/29/2020	0.09	0.36	1.82
PFDoA	307-55-1	0.45 U	H7420-FS(0)	1.000	7/29/2020	0.13	0.45	1.82
PFTTrDA	72629-94-8	0.36 U	H7420-FS(0)	1.000	7/29/2020	0.09	0.36	1.82
PFTeDA	376-06-7	0.45 U	H7420-FS(0)	1.000	7/29/2020	0.20	0.45	1.82
NMeFOSAA	2355-31-9	0.45 U	H7420-FS(0)	1.000	7/29/2020	0.18	0.45	1.82
NEtFOSAA	2991-50-6	0.45 U	H7420-FS(0)	1.000	7/29/2020	0.15	0.45	1.82
PFBS	375-73-5	0.36 U	H7420-FS(0)	1.000	7/29/2020	0.11	0.36	1.82
PFHxS	355-46-4	0.36 U	H7420-FS(0)	1.000	7/29/2020	0.11	0.36	1.82
PFOS	1763-23-1	0.45 U	H7420-FS(0)	1.000	7/29/2020	0.14	0.45	1.82
HFPO-DA	13252-13-6	0.36 U	H7420-FS(0)	1.000	7/29/2020	0.08	0.36	1.82
Adona	919005-14-4	0.36 U	H7420-FS(0)	1.000	7/29/2020	0.11	0.36	1.82
11Cl-PF3OUdS	763051-92-9	0.36 U	H7420-FS(0)	1.000	7/29/2020	0.09	0.36	1.82
9Cl-PF3ONS	756426-58-1	0.36 U	H7420-FS(0)	1.000	7/29/2020	0.11	0.36	1.82

Surrogate Recoveries (%)		Recovery	Extract ID	Analysis Date
13C2-PFHxA		99	H7420-FS(0)	7/29/2020
13C2-PFDA		90	H7420-FS(0)	7/29/2020
d5-EtFOSAA		88	H7420-FS(0)	7/29/2020
13C3-HFPO-DA		90	H7420-FS(0)	7/29/2020

Analyzed by: Schultz, Stephanie
 Printed: 8/10/2020



Project Client: Environmental Partners
 Project Name: PFAS in Drinking Water
 Project No.: 100105456-0055

Client ID Procedural Blank

Battelle ID CZ638PB-FS
 Sample Type PB
 Collection Date 07/23/2020
 Extraction Date 07/23/2020
 Analytical Instrument Sciex 5500 LC/MS/MS
 % Moisture NA
 Matrix WATER
 Sample Size 0.250
 Size Unit-Basis L

Analyte	CAS No.	Result (ng/L)	Extract ID	DF	Analysis Date	DL	LOD	LOQ
PFHxA	307-24-4	0.50 U	CZ638PB-FS(0)	1.000	7/29/2020	0.23	0.50	2.00
PFHpA	375-85-9	0.50 U	CZ638PB-FS(0)	1.000	7/29/2020	0.23	0.50	2.00
PFOA	335-67-1	0.50 U	CZ638PB-FS(0)	1.000	7/29/2020	0.20	0.50	2.00
PFNA	375-95-1	0.40 U	CZ638PB-FS(0)	1.000	7/29/2020	0.12	0.40	2.00
PFDA	335-76-2	0.40 U	CZ638PB-FS(0)	1.000	7/29/2020	0.11	0.40	2.00
PFUnA	2058-94-8	0.40 U	CZ638PB-FS(0)	1.000	7/29/2020	0.10	0.40	2.00
PFDoA	307-55-1	0.50 U	CZ638PB-FS(0)	1.000	7/29/2020	0.14	0.50	2.00
PFTTrDA	72629-94-8	0.40 U	CZ638PB-FS(0)	1.000	7/29/2020	0.10	0.40	2.00
PFTeDA	376-06-7	0.50 U	CZ638PB-FS(0)	1.000	7/29/2020	0.22	0.50	2.00
NMeFOSAA	2355-31-9	0.50 U	CZ638PB-FS(0)	1.000	7/29/2020	0.20	0.50	2.00
NEtFOSAA	2991-50-6	0.50 U	CZ638PB-FS(0)	1.000	7/29/2020	0.17	0.50	2.00
PFBS	375-73-5	0.40 U	CZ638PB-FS(0)	1.000	7/29/2020	0.12	0.40	2.00
PFHxS	355-46-4	0.40 U	CZ638PB-FS(0)	1.000	7/29/2020	0.12	0.40	2.00
PFOS	1763-23-1	0.50 U	CZ638PB-FS(0)	1.000	7/29/2020	0.15	0.50	2.00
HFPO-DA	13252-13-6	0.40 U	CZ638PB-FS(0)	1.000	7/29/2020	0.09	0.40	2.00
Adona	919005-14-4	0.40 U	CZ638PB-FS(0)	1.000	7/29/2020	0.12	0.40	2.00
11CI-PF3OUdS	763051-92-9	0.40 U	CZ638PB-FS(0)	1.000	7/29/2020	0.10	0.40	2.00
9CI-PF3ONS	756426-58-1	0.40 U	CZ638PB-FS(0)	1.000	7/29/2020	0.12	0.40	2.00

Surrogate Recoveries (%)		Recovery	Extract ID	Analysis Date
13C2-PFHxA		92	CZ638PB-FS(0)	7/29/2020
13C2-PFDA		87	CZ638PB-FS(0)	7/29/2020
d5-EtFOSAA		89	CZ638PB-FS(0)	7/29/2020
13C3-HFPO-DA		84	CZ638PB-FS(0)	7/29/2020

Analyzed by: Schultz, Stephanie
 Printed: 8/10/2020



Project Client: Environmental Partners
 Project Name: PFAS in Drinking Water
 Project No.: 100105456-0055

Client ID Laboratory Control Sample

Battelle ID CZ639LCS-FS
 Sample Type LCS
 Collection Date 07/23/2020
 Extraction Date 07/23/2020
 Analytical Instrument Sciex 5500 LC/MS/MS
 % Moisture NA
 Matrix WATER
 Sample Size 0.250
 Size Unit-Basis L

Analyte	CAS No.	Result (ng/L)	Extract ID	DF	Analysis Date	Target	Recovery	Qual	Control Limits Lower	Upper
PFHxA	307-24-4	23.88	CZ639LCS-FS(0)	1.000	7/29/2020	20.00	119		70	130
PFHpA	375-85-9	23.70	CZ639LCS-FS(0)	1.000	7/29/2020	20.00	119		70	130
PFOA	335-67-1	23.81	CZ639LCS-FS(0)	1.000	7/29/2020	20.00	119		70	130
PFNA	375-95-1	23.34	CZ639LCS-FS(0)	1.000	7/29/2020	20.00	117		70	130
PFDA	335-76-2	24.20	CZ639LCS-FS(0)	1.000	7/29/2020	20.00	121		70	130
PFUnA	2058-94-8	23.74	CZ639LCS-FS(0)	1.000	7/29/2020	20.00	119		70	130
PFDoA	307-55-1	24.29	CZ639LCS-FS(0)	1.000	7/29/2020	20.00	121		70	130
PFTTrDA	72629-94-8	24.09	CZ639LCS-FS(0)	1.000	7/29/2020	20.00	120		70	130
PFTeDA	376-06-7	23.24	CZ639LCS-FS(0)	1.000	7/29/2020	20.00	116		70	130
NMeFOSAA	2355-31-9	24.88	CZ639LCS-FS(0)	1.000	7/29/2020	20.00	124		70	130
NEtFOSAA	2991-50-6	24.30	CZ639LCS-FS(0)	1.000	7/29/2020	20.00	122		70	130
PFBS	375-73-5	19.29	CZ639LCS-FS(0)	1.000	7/29/2020	17.70	109		70	130
PFHxS	355-46-4	20.61	CZ639LCS-FS(0)	1.000	7/29/2020	18.90	109		70	130
PFOS	1763-23-1	18.94	CZ639LCS-FS(0)	1.000	7/29/2020	19.10	99		70	130
HFPO-DA	13252-13-6	22.13	CZ639LCS-FS(0)	1.000	7/29/2020	20.00	111		70	130
Adona	919005-14-4	21.35	CZ639LCS-FS(0)	1.000	7/29/2020	18.90	113		70	130
11Cl-PF3OUdS	763051-92-9	19.04	CZ639LCS-FS(0)	1.000	7/29/2020	18.80	101		70	130
9Cl-PF3ONS	756426-58-1	19.43	CZ639LCS-FS(0)	1.000	7/29/2020	18.60	104		70	130

<i>Surrogate Recoveries (%)</i>		Analysis	
	Recovery	Extract ID	Date
13C2-PFHxA	116	CZ639LCS-FS(0)	7/29/2020
13C2-PFDA	111	CZ639LCS-FS(0)	7/29/2020
d5-EtFOSAA	105	CZ639LCS-FS(0)	7/29/2020
13C3-HFPO-DA	108	CZ639LCS-FS(0)	7/29/2020

Analyzed by: Schultz, Stephanie
 Printed: 8/10/2020



Glossary of Data Qualifiers

Flag: Application:

B	Analyte found in the sample at a concentration <10x the level found in the procedural blank
D	Dilution Run. Initial run outside the initial calibration range of the instrument
E	Estimate, result is greater than the highest concentration level in the calibration
J	Analyte detected below the Limit of Quantitation (LOQ)
MI	Significant Matrix Interference - value could not be determined.
N	Quality Control (QC) value is outside the accuracy or precision Data Quality Objective (DQO)
NA	Not Applicable
T	Holding Time (HT) exceeded
U	Analyte not detected or detected below the Detection Limit (DL) value, Limit of Detection (LOD) reported