



Environment Testing

ANALYTICAL REPORT

Eurofins Eaton South Bend
110 S Hill Street
South Bend, IN 46617
Tel: (574)233-4777

Laboratory Job ID: 810-41840-1
Client Project/Site: 1279000

For:
Housatonic Basin Sampling & Testing
80 Run Way
Lee, Massachusetts 01238

Attn: Nick Bruzzi

Authorized for release by:
11/3/2022 2:52:58 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Job ID: 810-41840-1

Laboratory: Eurofins Eaton South Bend

Narrative

Job Narrative 810-41840-1

Receipt

The samples were received on 10/19/2022 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C

PFAS

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Client Sample ID: POE Post GT Brook 02G

Lab Sample ID: 810-41840-1

PWSID Number: 1279000

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	1.1	J	1.9	0.51	ng/L	1			537.1	Total/NA
Perfluorohexanoic acid (PFHxA)	1.2	J	1.9	0.60	ng/L	1			537.1	Total/NA
Perfluorooctanoic acid (PFOA)	2.1		1.9	0.48	ng/L	1			537.1	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.4	J	1.9	0.42	ng/L	1			537.1	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.75	J	1.9	0.68	ng/L	1			537.1	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.61	J	1.9	0.50	ng/L	1			537.1	Total/NA
PFAS Total	2.10		2.00	0.500	ng/L	1			PFAS6	Total/NA

Client Sample ID: POE Post GT Brook 02G - FB

Lab Sample ID: 810-41840-2

PWSID Number: 1279000

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Client Sample ID: POE Post GT Brook 02G

Lab Sample ID: 810-41840-1

Date Collected: 10/18/22 10:00

Matrix: Drinking Water

Date Received: 10/19/22 09:00

PWSID Number: 1279000

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	1.1	J	1.9	0.51	ng/L		10/28/22 07:05	10/29/22 03:40	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.60	ng/L		10/28/22 07:05	10/29/22 03:40	1
Perfluorohexanoic acid (PFHxA)	1.2	J	1.9	0.60	ng/L		10/28/22 07:05	10/29/22 03:40	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.60	ng/L		10/28/22 07:05	10/29/22 03:40	1
Perfluorooctanoic acid (PFOA)	2.1		1.9	0.48	ng/L		10/28/22 07:05	10/29/22 03:40	1
Perfluorodecanoic acid (PFDA)	ND		1.9	0.57	ng/L		10/28/22 07:05	10/29/22 03:40	1
Perfluorohexanesulfonic acid (PFHxS)	1.4	J	1.9	0.42	ng/L		10/28/22 07:05	10/29/22 03:40	1
Perfluorobutanesulfonic acid (PFBS)	0.75	J	1.9	0.68	ng/L		10/28/22 07:05	10/29/22 03:40	1
Perfluoroheptanoic acid (PFHpA)	0.61	J	1.9	0.50	ng/L		10/28/22 07:05	10/29/22 03:40	1
Perfluorononanoic acid (PFNA)	ND		1.9	0.46	ng/L		10/28/22 07:05	10/29/22 03:40	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.9	0.62	ng/L		10/28/22 07:05	10/29/22 03:40	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.9	0.57	ng/L		10/28/22 07:05	10/29/22 03:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.9	0.59	ng/L		10/28/22 07:05	10/29/22 03:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.9	0.49	ng/L		10/28/22 07:05	10/29/22 03:40	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.9	0.59	ng/L		10/28/22 07:05	10/29/22 03:40	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		1.9	0.61	ng/L		10/28/22 07:05	10/29/22 03:40	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.9	0.61	ng/L		10/28/22 07:05	10/29/22 03:40	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.47	ng/L		10/28/22 07:05	10/29/22 03:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	98		70 - 130				10/28/22 07:05	10/29/22 03:40	1
13C2 PFDA	94		70 - 130				10/28/22 07:05	10/29/22 03:40	1
13C3 HFPO-DA	96		70 - 130				10/28/22 07:05	10/29/22 03:40	1
d5-NEtFOSAA	81		70 - 130				10/28/22 07:05	10/29/22 03:40	1

Method: EPA PFAS6 - PFAS6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PFAS Total	2.10		2.00	0.500	ng/L			11/02/22 15:20	1

Client Sample ID: POE Post GT Brook 02G - FB

Lab Sample ID: 810-41840-2

Date Collected: 10/18/22 10:00

Matrix: Drinking Water

Date Received: 10/19/22 09:00

PWSID Number: 1279000

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		1.9	0.50	ng/L		11/01/22 07:21	11/02/22 05:40	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.59	ng/L		11/01/22 07:21	11/02/22 05:40	1
Perfluorohexanoic acid (PFHxA)	ND		1.9	0.59	ng/L		11/01/22 07:21	11/02/22 05:40	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.59	ng/L		11/01/22 07:21	11/02/22 05:40	1
Perfluorooctanoic acid (PFOA)	ND		1.9	0.47	ng/L		11/01/22 07:21	11/02/22 05:40	1
Perfluorodecanoic acid (PFDA)	ND		1.9	0.56	ng/L		11/01/22 07:21	11/02/22 05:40	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9	0.41	ng/L		11/01/22 07:21	11/02/22 05:40	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9	0.66	ng/L		11/01/22 07:21	11/02/22 05:40	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9	0.49	ng/L		11/01/22 07:21	11/02/22 05:40	1

Eurofins Eaton South Bend

Client Sample Results

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Client Sample ID: POE Post GT Brook 02G - FB

Lab Sample ID: 810-41840-2

Date Collected: 10/18/22 10:00

Matrix: Drinking Water

Date Received: 10/19/22 09:00

PWSID Number: 1279000

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	ND		1.9	0.45	ng/L		11/01/22 07:21	11/02/22 05:40	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.9	0.61	ng/L		11/01/22 07:21	11/02/22 05:40	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.9	0.56	ng/L		11/01/22 07:21	11/02/22 05:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.9	0.58	ng/L		11/01/22 07:21	11/02/22 05:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.9	0.48	ng/L		11/01/22 07:21	11/02/22 05:40	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.9	0.58	ng/L		11/01/22 07:21	11/02/22 05:40	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		1.9	0.60	ng/L		11/01/22 07:21	11/02/22 05:40	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.9	0.60	ng/L		11/01/22 07:21	11/02/22 05:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.46	ng/L		11/01/22 07:21	11/02/22 05:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	89		70 - 130				11/01/22 07:21	11/02/22 05:40	1
13C2 PFDA	98		70 - 130				11/01/22 07:21	11/02/22 05:40	1
13C3 HFPO-DA	89		70 - 130				11/01/22 07:21	11/02/22 05:40	1
d5-NEtFOSAA	90		70 - 130				11/01/22 07:21	11/02/22 05:40	1

Method: EPA PFAS6 - PFAS6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PFAS Total	ND		2.00	0.500	ng/L			11/03/22 16:41	1

Surrogate Summary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		PFHxA (70-130)	PFDA (70-130)	HFPODA (70-130)	d5NEFOS (70-130)
810-41840-1	POE Post GT Brook 02G	98	94	96	81
810-41840-2	POE Post GT Brook 02G - FB	89	98	89	90
LCS 810-36804/3-A	Lab Control Sample	106	105	104	92
LLCS 810-36804/2-A	Lab Control Sample	107	100	100	93
LLCS 810-37083/33-A	Lab Control Sample	98	94	93	92
MBL 810-36804/1-A	Method Blank	95	92	93	85
MBL 810-37083/32-A	Method Blank	87	100	86	89

Surrogate Legend

PFHxA = 13C2 PFHxA

PFDA = 13C2 PFDA

HFPODA = 13C3 HFPO-DA

d5NEFOS = d5-NEtFOSAA

QC Sample Results

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Lab Sample ID: MBL 810-36804/1-A

Matrix: Drinking Water

Analysis Batch: 36875

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36804

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.53	ng/L		10/28/22 07:05	10/29/22 02:14	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.63	ng/L		10/28/22 07:05	10/29/22 02:14	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.63	ng/L		10/28/22 07:05	10/29/22 02:14	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.63	ng/L		10/28/22 07:05	10/29/22 02:14	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.50	ng/L		10/28/22 07:05	10/29/22 02:14	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.60	ng/L		10/28/22 07:05	10/29/22 02:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.44	ng/L		10/28/22 07:05	10/29/22 02:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.71	ng/L		10/28/22 07:05	10/29/22 02:14	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.52	ng/L		10/28/22 07:05	10/29/22 02:14	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.48	ng/L		10/28/22 07:05	10/29/22 02:14	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.65	ng/L		10/28/22 07:05	10/29/22 02:14	1
Perfluorotridecanoic acid (PFTriDA)	ND		2.0	0.60	ng/L		10/28/22 07:05	10/29/22 02:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.62	ng/L		10/28/22 07:05	10/29/22 02:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.51	ng/L		10/28/22 07:05	10/29/22 02:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	0.62	ng/L		10/28/22 07:05	10/29/22 02:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		2.0	0.64	ng/L		10/28/22 07:05	10/29/22 02:14	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		2.0	0.64	ng/L		10/28/22 07:05	10/29/22 02:14	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.49	ng/L		10/28/22 07:05	10/29/22 02:14	1

Surrogate	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	95		70 - 130	10/28/22 07:05	10/29/22 02:14	1
13C2 PFDA	92		70 - 130	10/28/22 07:05	10/29/22 02:14	1
13C3 HFPO-DA	93		70 - 130	10/28/22 07:05	10/29/22 02:14	1
d5-NEtFOSAA	85		70 - 130	10/28/22 07:05	10/29/22 02:14	1

Lab Sample ID: LCS 810-36804/3-A

Matrix: Drinking Water

Analysis Batch: 36875

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36804

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonic acid (PFOS)	194	188		ng/L		97	70 - 130
Perfluoroundecanoic acid (PFUnA)	194	186		ng/L		96	70 - 130
Perfluorohexanoic acid (PFHxA)	194	199		ng/L		103	70 - 130
Perfluorododecanoic acid (PFDoA)	194	180		ng/L		92	70 - 130
Perfluorooctanoic acid (PFOA)	194	191		ng/L		98	70 - 130
Perfluorodecanoic acid (PFDA)	194	189		ng/L		97	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	194	195		ng/L		101	70 - 130
Perfluorobutanesulfonic acid (PFBS)	194	189		ng/L		97	70 - 130
Perfluoroheptanoic acid (PFHpA)	194	202		ng/L		104	70 - 130
Perfluorononanoic acid (PFNA)	194	189		ng/L		97	70 - 130

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QC Sample Results

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LCS 810-36804/3-A

Matrix: Drinking Water

Analysis Batch: 36875

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36804

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorotetradecanoic acid (PFTeDA)	194	187		ng/L		96	70 - 130
Perfluorotridecanoic acid (PFTrDA)	194	185		ng/L		95	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	194	178		ng/L		92	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	194	176		ng/L		91	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	194	194		ng/L		100	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	194	184		ng/L		95	70 - 130
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	194	178		ng/L		92	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	194	193		ng/L		99	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
13C2 PFHxA	106		70 - 130				
13C2 PFDA	105		70 - 130				
13C3 HFPO-DA	104		70 - 130				
d5-NEtFOSAA	92		70 - 130				

Lab Sample ID: LLCS 810-36804/2-A

Matrix: Drinking Water

Analysis Batch: 36875

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36804

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonic acid (PFOS)	1.93	2.38		ng/L		123	50 - 150
Perfluoroundecanoic acid (PFUnA)	1.93	1.78	J	ng/L		92	50 - 150
Perfluorohexanoic acid (PFHxA)	1.93	1.91		ng/L		99	50 - 150
Perfluorododecanoic acid (PFDoA)	1.93	1.73	J	ng/L		90	50 - 150
Perfluorooctanoic acid (PFOA)	1.93	1.69	J	ng/L		88	50 - 150
Perfluorodecanoic acid (PFDA)	1.93	1.75	J	ng/L		91	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.93	1.82	J	ng/L		94	50 - 150
Perfluorobutanesulfonic acid (PFBS)	1.93	1.85	J	ng/L		96	50 - 150
Perfluoroheptanoic acid (PFHpA)	1.93	1.81	J	ng/L		94	50 - 150
Perfluorononanoic acid (PFNA)	1.93	1.87	J	ng/L		97	50 - 150
Perfluorotetradecanoic acid (PFTeDA)	1.93	1.76	J	ng/L		91	50 - 150
Perfluorotridecanoic acid (PFTrDA)	1.93	1.72	J	ng/L		89	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.93	1.62	J	ng/L		84	50 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.93	1.57	J	ng/L		81	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.93	1.81	J	ng/L		94	50 - 150

Eurofins Eaton South Bend

QC Sample Results

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LLCS 810-36804/2-A

Matrix: Drinking Water

Analysis Batch: 36875

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36804

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	1.93	1.78	J	ng/L		92	50 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	1.93	1.61	J	ng/L		84	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.93	1.83	J	ng/L		95	50 - 150

Surrogate	LLCS %Recovery	LLCS Qualifier	Limits
13C2 PFHxA	107		70 - 130
13C2 PFDA	100		70 - 130
13C3 HFPO-DA	100		70 - 130
d5-NEtFOSAA	93		70 - 130

Lab Sample ID: MBL 810-37083/32-A

Matrix: Drinking Water

Analysis Batch: 37148

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37083

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.53	ng/L		11/01/22 07:21	11/02/22 03:01	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.63	ng/L		11/01/22 07:21	11/02/22 03:01	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.63	ng/L		11/01/22 07:21	11/02/22 03:01	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.63	ng/L		11/01/22 07:21	11/02/22 03:01	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.50	ng/L		11/01/22 07:21	11/02/22 03:01	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.60	ng/L		11/01/22 07:21	11/02/22 03:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.44	ng/L		11/01/22 07:21	11/02/22 03:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.71	ng/L		11/01/22 07:21	11/02/22 03:01	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.52	ng/L		11/01/22 07:21	11/02/22 03:01	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.48	ng/L		11/01/22 07:21	11/02/22 03:01	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.65	ng/L		11/01/22 07:21	11/02/22 03:01	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.60	ng/L		11/01/22 07:21	11/02/22 03:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.62	ng/L		11/01/22 07:21	11/02/22 03:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.51	ng/L		11/01/22 07:21	11/02/22 03:01	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	0.62	ng/L		11/01/22 07:21	11/02/22 03:01	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		2.0	0.64	ng/L		11/01/22 07:21	11/02/22 03:01	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		2.0	0.64	ng/L		11/01/22 07:21	11/02/22 03:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.49	ng/L		11/01/22 07:21	11/02/22 03:01	1

Surrogate	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	87		70 - 130	11/01/22 07:21	11/02/22 03:01	1
13C2 PFDA	100		70 - 130	11/01/22 07:21	11/02/22 03:01	1
13C3 HFPO-DA	86		70 - 130	11/01/22 07:21	11/02/22 03:01	1
d5-NEtFOSAA	89		70 - 130	11/01/22 07:21	11/02/22 03:01	1

Eurofins Eaton South Bend

QC Sample Results

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LLCS 810-37083/33-A

Matrix: Drinking Water

Analysis Batch: 37148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37083

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonic acid (PFOS)	1.88	1.78	J	ng/L		95	50 - 150
Perfluoroundecanoic acid (PFUnA)	1.88	1.66	J	ng/L		89	50 - 150
Perfluorohexanoic acid (PFHxA)	1.88	1.92		ng/L		102	50 - 150
Perfluorododecanoic acid (PFDoA)	1.88	1.64	J	ng/L		87	50 - 150
Perfluorooctanoic acid (PFOA)	1.88	1.88	J	ng/L		100	50 - 150
Perfluorodecanoic acid (PFDA)	1.88	1.66	J	ng/L		88	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.88	1.82	J	ng/L		97	50 - 150
Perfluorobutanesulfonic acid (PFBS)	1.88	1.74	J	ng/L		93	50 - 150
Perfluoroheptanoic acid (PFHpA)	1.88	1.80	J	ng/L		96	50 - 150
Perfluorononanoic acid (PFNA)	1.88	1.91		ng/L		102	50 - 150
Perfluorotetradecanoic acid (PFTeDA)	1.88	1.58	J	ng/L		84	50 - 150
Perfluorotridecanoic acid (PFTrDA)	1.88	1.59	J	ng/L		85	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.88	1.55	J	ng/L		83	50 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.88	1.66	J	ng/L		88	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	1.66	J	ng/L		88	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	1.88	1.60	J	ng/L		85	50 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	1.88	1.62	J	ng/L		86	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.88	1.70	J	ng/L		91	50 - 150

Surrogate	LLCS %Recovery	LLCS Qualifier	Limits
13C2 PFHxA	98		70 - 130
13C2 PFDA	94		70 - 130
13C3 HFPO-DA	93		70 - 130
d5-NEtFOSAA	92		70 - 130

QC Association Summary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

LCMS

Prep Batch: 36804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-41840-1	POE Post GT Brook 02G	Total/NA	Drinking Water	537.1 DW	
MBL 810-36804/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW	
LCS 810-36804/3-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW	
LLCS 810-36804/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW	

Analysis Batch: 36875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-41840-1	POE Post GT Brook 02G	Total/NA	Drinking Water	537.1	36804
MBL 810-36804/1-A	Method Blank	Total/NA	Drinking Water	537.1	36804
LCS 810-36804/3-A	Lab Control Sample	Total/NA	Drinking Water	537.1	36804
LLCS 810-36804/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1	36804

Prep Batch: 37083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-41840-2	POE Post GT Brook 02G - FB	Total/NA	Drinking Water	537.1 DW	
MBL 810-37083/32-A	Method Blank	Total/NA	Drinking Water	537.1 DW	
LLCS 810-37083/33-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW	

Analysis Batch: 37148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-41840-2	POE Post GT Brook 02G - FB	Total/NA	Drinking Water	537.1	37083
MBL 810-37083/32-A	Method Blank	Total/NA	Drinking Water	537.1	37083
LLCS 810-37083/33-A	Lab Control Sample	Total/NA	Drinking Water	537.1	37083

Analysis Batch: 37273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-41840-1	POE Post GT Brook 02G	Total/NA	Drinking Water	PFAS6	
810-41840-2	POE Post GT Brook 02G - FB	Total/NA	Drinking Water	PFAS6	

Lab Chronicle

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Client Sample ID: POE Post GT Brook 02G

Lab Sample ID: 810-41840-1

Date Collected: 10/18/22 10:00

Matrix: Drinking Water

Date Received: 10/19/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW			36804	AB	EA SB	10/28/22 07:05
Total/NA	Analysis	537.1		1	36875	MH	EA SB	10/29/22 03:40
Total/NA	Analysis	PFAS6		1	37273	RD	EA SB	11/02/22 15:20

Client Sample ID: POE Post GT Brook 02G - FB

Lab Sample ID: 810-41840-2

Date Collected: 10/18/22 10:00

Matrix: Drinking Water

Date Received: 10/19/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW			37083	SS	EA SB	11/01/22 07:21
Total/NA	Analysis	537.1		1	37148	MH	EA SB	11/02/22 05:40
Total/NA	Analysis	PFAS6		1	37273	RD	EA SB	11/03/22 16:41

Laboratory References:

EA SB = Eurofins Eaton South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

Accreditation/Certification Summary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Laboratory: Eurofins Eaton South Bend

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Massachusetts	State	M-IN035	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
PFAS6		Drinking Water	PFAS Total

Method Summary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Method	Method Description	Protocol	Laboratory
537.1	Perfluorinated Alkyl Acids (LC/MS)	EPA	EA SB
PFAS6	PFAS6	EPA	EA SB
537.1 DW	Extraction of Perfluorinated Alkyl Acids	EPA	EA SB

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA SB = Eurofins Eaton South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

Sample Summary

Client: Housatonic Basin Sampling & Testing
Project/Site: 1279000

Job ID: 810-41840-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
810-41840-1	POE Post GT Brook 02G	Drinking Water	10/18/22 10:00	10/19/22 09:00	1279000
810-41840-2	POE Post GT Brook 02G - FB	Drinking Water	10/18/22 10:00	10/19/22 09:00	1279000

PWS NAME: SOUTHWICK WATER DEPARTMENT

PWS ID: 1279000

PWS TOWN: Southwick

PWS CLASS: COM



**Housatonic Basin
Sampling & Testing**

810-41840 Chain of Custody

80 RUN WAY
LEE, MA 01238
(413)248-4622



HBST P.O. #	1279000-221018
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of WO:

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[illegible]

Note: Submit via EDEP unless designated Private or otherwise noted. Email report to: Admin@HousatonicBasin.com. Lab testing shall be in compliance with all State and Federal Drinking Water and applicable regulations.

Initial Temp: 6.4
Corrected Temp: 0.8
IR Gun # 29 wet

Login Sample Receipt Checklist

Client: Housatonic Basin Sampling & Testing

Job Number: 810-41840-1

Login Number: 41840

List Source: Eurofins Eaton South Bend

List Number: 1

Creator: Wojcik, Mary

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	