



90 Sargent Drive • New Haven, Connecticut 06511-5966  
203-401-6743 or 877-894-5773 (Telephone) • Website: [www.rwater.com](http://www.rwater.com)

**Laboratory Certification IDs**

CT: PH-0411, NH: 2239, NY: 11867, PA: 68-05519, RI: LAO00339, MA: M-CT004  
See website, [www.rwalab.com/rwa-lab-certifications](http://www.rwalab.com/rwa-lab-certifications), for certified analyte list.

**Client:** Paul Hennessy  
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**ANALYTICAL REPORT**

**Project: FEE-RANDOLPHHOLBROOK-25-000010**

**Report Date: 11/4/2025**

This Laboratory is in compliance with the NELAP requirements of procedures used except where indicated. This report contains results for the analysis tested, under the sampling conditions described on the Chain Of Custody (COC), as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

The COC form has been scanned to accompany the analytical report and is an exact copy of the original. If you are the client above and have any questions concerning this testing, please do not hesitate to contact RWA Client Services at (203) 401-6743 or (877) 894-5773. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Richard Sibley  
Laboratory Manager  
Technical Representative

**SAMPLE SUMMARY**

<b>Sample ID</b>	<b>Customer ID</b>	<b>Collection Date/Time</b>	<b>Receipt Date</b>
300761710	RAW	10/22/2025 1600	10/23/25
300761711	Field Blank - Raw	10/22/2025 1600	10/23/25
300761712	FINISHED	10/22/2025 1600	10/23/25
300761713	Field Blank - Finished	10/22/2025 1600	10/23/25

### Case Narrative and Comments

All QC passes criteria unless noted in a Comment below.

Samples were received at the appropriate temperature and in accordance with the chain of custody unless noted.

**E** = Exceeds calibration range

**ND** = Non Detect

**FB** = Field Blank

**RL** = Minimum Reporting Level

**MDL** = Method Detection Limit

**J** = The reported result is below RL but greater than the MDL. The reported result is an estimate.

Massachusetts samples for required water quality sampling are included.

Samples and FBs were received in bottles with preservatives Trizma HCL & Trizma base per method requirements.

"FB" added at beginning/end designates "Field Blank" (Field Reagent Blank) for associated Customer ID sample. Field Blank analytes (unless noted) were shown to be less than 1/3 of the RL as per EPA537.1.

Method EPA537.1 Analyte Results, MDL and RL are adjusted to reflect the actual Final (mL) volume used.

<u>Method</u>	<u>CAS#</u>	<u>PFAS Analyte (Acronym)</u>
537.1	1763-23-1	Perfluorooctanesulfonic acid (PFOS)
537.1	335-67-1	Perfluorooctanoic acid (PFOA)
537.1	355-46-4	Perfluorohexanesulfonic acid (PFHxS)
537.1	375-95-1	Perfluorononanoic acid (PFNA)
537.1	375-85-9	Perfluoroheptanoic acid (PFHpA)
537.1	335-76-2	Perfluorodecanoic acid (PFDA)
537.1	375-73-5	Perfluorobutanesulfonic acid (PFBS)
537.1	307-55-1	Perfluorododecanoic acid (PFDoA)
537.1	307-24-4	Perfluorohexanoic acid (PFHxA)
537.1	376-06-7	Perfluorotetradecanoic acid (PFTA)
537.1	72629-94-8	Perfluorotridecanoic acid (PFTTrDA)
537.1	2058-94-8	Perfluoroundecanoic acid (PFUnA)
537.1	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537.1	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)
537.1	763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)
537.1	756426-58-1	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)
537.1	919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA)
537.1	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)

PFAS6 (MassDEP) = sum of PFOS, PFOA, PFHxS, PFNA, PFHpA and PFDA (only include Results at or above the RL)

MassDEP has established a maximum contaminant level (MCL) of 20 ng/L for PFAS6.

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Sample ID: 300761710

Customer ID: 1) Raw

Collection Date: 10/22/2025 16:00

PWS ID# / LOC ID#: RAW

Project: FEE-RANDOLPHHOLBROOK-25-000010

Analyte	CAS#	Results	MDL	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	375-73-5	2.48	0.95	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
PFHxA	307-24-4	3.81	0.75	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
HFPO-DA	13252-13-6	ND	1.14	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
PFHpA	375-85-9	2.15	0.70	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
PFHxS	355-46-4	2.43	0.83	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
ADONA	919005-14-4	ND	0.63	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
PFOA	335-67-1	5.01	0.76	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
PFOS	1763-23-1	8.47	1.01	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
PFNA	375-95-1	1.06	0.72	2.0	ng/L	1.0	J	EPA 537.1	10/30/25 0315	CSS
9CI-PF3ONS	756426-58-1	ND	0.84	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
PFDA	335-76-2	ND	0.75	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
PFUnA	2058-94-8	ND	0.94	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
11CI-PF3OUdS	763051-92-9	ND	1.04	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
NMeFOSAA	2355-31-9	ND	1.15	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
NEtFOSAA	2991-50-6	ND	1.15	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
PFDoA	307-55-1	ND	0.90	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
PFTTrDA	72629-94-8	ND	0.93	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
PFTA	376-06-7	ND	1.04	2.0	ng/L	1.0		EPA 537.1	10/30/25 0315	CSS
PFAS6 (MassDEP)		18.06	2.00	2.0	ng/L	1.0				
Surrogates		Results	Recovery Limits		Pass/Fail					
13C-PFHxA (SUR) % Recovery		95.10	70 - 130		Pass					
13C3-HFPO-DA (SUR) % Recovery		88.70	70 - 130		Pass					
13C-PFDA (SUR) % Recovery		96.80	70 - 130		Pass					
d5-NEtFOSAA (SUR) % Recovery		87.80	70 - 130		Pass					

**Sample Extraction Data:**

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300761710	PFAS_537	537_EXT-251027-1	250	10/24/2025

Sample ID: 300761711

Customer ID: Field Blank - 1) Raw

Collection Date: 10/22/2025 16:00

PWS ID# / LOC ID#: FIELD BLANK

Project: FEE-RANDOLPHHOLBROOK-25-000010

Analyte	CAS#	Results	MDL	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	375-73-5	ND	0.93	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
PFHxA	307-24-4	ND	0.74	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
HFPO-DA	13252-13-6	ND	1.12	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
PFHpA	375-85-9	ND	0.69	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
PFHxS	355-46-4	ND	0.81	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
ADONA	919005-14-4	ND	0.62	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
PFOA	335-67-1	ND	0.74	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
PFOS	1763-23-1	ND	0.99	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
PFNA	375-95-1	ND	0.71	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
9CI-PF3ONS	756426-58-1	ND	0.82	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
PFDA	335-76-2	ND	0.74	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
PFUnA	2058-94-8	ND	0.92	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
11CI-PF3OUdS	763051-92-9	ND	1.02	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
NMeFOSAA	2355-31-9	ND	1.13	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
NEtFOSAA	2991-50-6	ND	1.13	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
PFDoA	307-55-1	ND	0.88	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
PFTTrDA	72629-94-8	ND	0.91	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
PFTA	376-06-7	ND	1.02	1.96	ng/L	0.98		EPA 537.1	10/30/25 0330	CSS
PFAS6 (MassDEP)		ND	1.96	1.96	ng/L	0.98				
Surrogates		Results	Recovery Limits		Pass/Fail					
13C-PFHxA (SUR) % Recovery		97.10	70 - 130		Pass					
13C3-HFPO-DA (SUR) % Recovery		86.70	70 - 130		Pass					
13C-PFDA (SUR) % Recovery		92.00	70 - 130		Pass					
d5-NEtFOSAA (SUR) % Recovery		93.90	70 - 130		Pass					

**Sample Extraction Data:**

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300761711	PFAS_537	537_EXT-251027-1	256	10/24/2025

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Sample ID: 300761712

Customer ID: 2) Finished

Collection Date: 10/22/2025 16:00

PWS ID# / LOC ID#: 4244001/10296

Project: FEE-RANDOLPHHOLBROOK-25-000010

Analyte	CAS#	Results	MDL	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	375-73-5	2.21	0.95	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
PFHxA	307-24-4	3.63	0.75	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
HFPO-DA	13252-13-6	ND	1.14	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
PFHpA	375-85-9	2.15	0.70	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
PFHxS	355-46-4	2.34	0.83	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
ADONA	919005-14-4	ND	0.63	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
PFOA	335-67-1	4.98	0.76	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
PFOS	1763-23-1	10.05	1.01	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
PFNA	375-95-1	0.99	0.72	2.0	ng/L	1.0	J	EPA 537.1	10/30/25 0243	CSS
9CI-PF3ONS	756426-58-1	ND	0.84	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
PFDA	335-76-2	ND	0.75	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
PFUnA	2058-94-8	ND	0.94	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
11CI-PF3OUdS	763051-92-9	ND	1.04	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
NMeFOSAA	2355-31-9	ND	1.15	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
NEtFOSAA	2991-50-6	ND	1.15	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
PFDoA	307-55-1	ND	0.90	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
PFTTrDA	72629-94-8	ND	0.93	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
PFTA	376-06-7	ND	1.04	2.0	ng/L	1.0		EPA 537.1	10/30/25 0243	CSS
PFAS6 (MassDEP)		19.52	2.00	2.0	ng/L	1.0				
Surrogates		Results	Recovery Limits		Pass/Fail					
13C-PFHxA (SUR) % Recovery		83.10	70 - 130		Pass					
13C3-HFPO-DA (SUR) % Recovery		82.20	70 - 130		Pass					
13C-PFDA (SUR) % Recovery		85.00	70 - 130		Pass					
d5-NEtFOSAA (SUR) % Recovery		80.70	70 - 130		Pass					

**Sample Extraction Data:**

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300761712	PFAS_537	537_EXT-251027-1	250	10/24/2025

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Sample ID: 300761713

Customer ID: Field Blank - 2) Finished

Collection Date: 10/22/2025 16:00

PWS ID# / LOC ID#: FIELD BLANK

Project: FEE-RANDOLPHHOLBROOK-25-000010

Analyte	CAS#	Results	MDL	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	375-73-5	ND	0.95	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
PFHxA	307-24-4	ND	0.75	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
HFPO-DA	13252-13-6	ND	1.14	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
PFHpA	375-85-9	ND	0.70	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
PFHxS	355-46-4	ND	0.83	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
ADONA	919005-14-4	ND	0.63	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
PFOA	335-67-1	ND	0.76	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
PFOS	1763-23-1	ND	1.01	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
PFNA	375-95-1	ND	0.72	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
9CI-PF3ONS	756426-58-1	ND	0.84	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
PFDA	335-76-2	ND	0.75	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
PFUnA	2058-94-8	ND	0.94	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
11CI-PF3OUdS	763051-92-9	ND	1.04	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
NMeFOSAA	2355-31-9	ND	1.15	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
NEtFOSAA	2991-50-6	ND	1.15	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
PFDoA	307-55-1	ND	0.90	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
PFTrDA	72629-94-8	ND	0.93	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
PFTA	376-06-7	ND	1.04	2.0	ng/L	1.0		EPA 537.1	10/30/25 0259	CSS
PFAS6 (MassDEP)		ND	2.00	2.0	ng/L	1.0				
Surrogates					Results			Recovery Limits		Pass/Fail
13C-PFHxA (SUR) % Recovery					95.40			70 - 130		Pass
13C3-HFPO-DA (SUR) % Recovery					89.90			70 - 130		Pass
13C-PFDA (SUR) % Recovery					91.10			70 - 130		Pass
d5-NEtFOSAA (SUR) % Recovery					93.00			70 - 130		Pass

**Sample Extraction Data:**

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300761713	PFAS_537	537_EXT-251027-1	250	10/24/2025



## South Central Connecticut Regional Water Authority PFAS QA/QC Summary

Extraction Batch QC for: EPA 537.1

MA Lab Cert.#: M-CT004

Extraction Batch Date: 10/24/2025

Sample ID for LFSM/LFSMD: 300761684

Analyte	LFSM %Recovery	LFSMD %Recovery	RPD of LFSM/LFSMD	LRB (MRL is 2)		LFB 10 ng/L %Recovery
	Acceptance Range 70-130%	Acceptance Range 70-130%	Acceptance Limit <30%	Result, ng/L	Meets < 1/3 of MRL criteria?	Acceptance Range 70-130%
PFBS	92.3	95.7	3.5	ND	[ Y ]	99.8
PFHxA	91.9	91.8	0.1	ND	[ Y ]	92.4
HFPO-DA	90.7	88.9	2.0	ND	[ Y ]	97.4
PFHpA	91.4	92.7	1.4	ND	[ Y ]	93.4
PFHxS	96.1	95.1	1.0	ND	[ Y ]	98.8
ADONA	93.6	93.1	0.5	ND	[ Y ]	92.7
PFOA	94.9	95.2	0.3	ND	[ Y ]	92.9
PFOS	89.4	95.2	6.3	ND	[ Y ]	99.3
PFNA	93.2	91.9	1.4	ND	[ Y ]	96.1
9Cl-PF3ONS	89.3	92.3	3.2	ND	[ Y ]	93.0
PFDA	89.6	89.2	0.4	ND	[ Y ]	90.3
PFUnA	89.6	88.8	1.0	ND	[ Y ]	89.1
11Cl-PF3OUdS	84.8	87.4	3.0	ND	[ Y ]	87.1
NMeFOSAA	91.2	91.3	0.0	ND	[ Y ]	86.0
NEtFOSAA	88.1	90.2	2.3	ND	[ Y ]	84.5
PFDaA	93.8	92.8	1.1	ND	[ Y ]	93.8
PFTTrDA	92.1	91.0	1.2	ND	[ Y ]	88.4
PFTA	95.5	93.0	2.6	ND	[ Y ]	93.9

### Surrogate %Recovery

<sup>13</sup> C <sub>2</sub> -PFHxA	<sup>13</sup> C <sub>3</sub> -HFPO-DA	<sup>13</sup> C <sub>2</sub> -PFDA	<sup>d</sup> <sub>5</sub> -NEtFOSAA	
105.80	97.40	105.70	103.40	LFSM
96.90	87.10	95.00	92.30	LFSMD
93.20	84.60	90.00	90.10	LRB
99.20	88.40	96.80	94.20	LFB

Note: The Surrogate %Recovery for Samples and Poured Field Blanks is included on Final Reports.

All Batch QC passes method criteria unless noted in "Comments" section below

Comments: The matrix spike data is **NOT** from a sample in this upload batch.

LRB = Laboratory Reagent Blank

RPD = relative percent difference

FB = Field Blank

ND = Non-Detect

LFB = Laboratory Fortified Blank

MRL = Method Reporting Level

Results are ng/L (ppt)

LFSM = Laboratory Fortified Sample Matrix

LFSM/LFSMD spike concentration is 20 ng/L, unless noted otherwise

LFSMD = Laboratory Fortified Sample Matrix Duplicate

Surrogate Acceptance Limit is 70 - 130% Recovery