



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  
Randolph-Holbrook Joint Water  
  
275 Pond St  
Randolph, MA 02368  
  
781-964-9292  
[phennessy@holbrookmassachusetts.us](mailto:phennessy@holbrookmassachusetts.us)

**ANALYTICAL REPORT**

**Project: FEE-RANDOLPHHOLBROOK-26-000001**

**Report Date: 2/6/2026**

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>
300784996	RAW	1/21/2026 1200	1/22/26
300784997	Field Blank- RAW	1/21/2026 1200	1/22/26
300784998	FINISHED	1/21/2026 1200	1/22/26
300784999	Field Blank - FINISHED	1/21/2026 1200	1/22/26

**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 or EPA537.1.

Method EPA537 or 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, 537.1	1763-23-1	Perfluorooctanesulfonic acid (PFOS)
537, 537.1	335-67-1	Perfluorooctanoic acid (PFOA)
537, 537.1	355-46-4	Perfluorohexanesulfonic acid (PFHxS)
537, 537.1	375-95-1	Perfluorononanoic acid (PFNA)
537, 537.1	375-85-9	Perfluoroheptanoic acid (PFHpA)
537, 537.1	335-76-2	Perfluorodecanoic acid (PFDA)
537, 537.1	375-73-5	Perfluorobutanesulfonic acid (PFBS)
537, 537.1	307-55-1	Perfluorododecanoic acid (PFDoA)
537, 537.1	307-24-4	Perfluorohexanoic acid (PFHxA)
537, 537.1	376-06-7	Perfluorotetradecanoic acid (PFTA)
537, 537.1	72629-94-8	Perfluorotridecanoic acid (PFTrDA)
537, 537.1	2058-94-8	Perfluoroundecanoic acid (PFUnA)
537, 537.1	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537, 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.

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

Sample ID: 300784996

Customer ID: RAW

Collection Date: 01/21/2026 12:00

PWS ID# / LOC ID#: RAW

Project: FEE-RANDOLPHHOLBROOK-26-000001

Analyte	CAS#	Results	MDL	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	375-73-5	2.19	0.92	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
PFHxA	307-24-4	3.28	0.73	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
HFPO-DA	13252-13-6	ND	1.11	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
PFHpA	375-85-9	2.02	0.68	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
PFHxS	355-46-4	2.28	0.81	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
ADONA	919005-14-4	ND	0.61	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
PFOA	335-67-1	5.08	0.74	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
PFOS	1763-23-1	8.37	0.98	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
PFNA	375-95-1	1.05	0.70	1.94	ng/L	0.97	J	EPA 537.1	1/28/26 0738	CSS
9CI-PF3ONS	756426-58-1	ND	0.81	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
PFDA	335-76-2	ND	0.73	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
PFUnA	2058-94-8	ND	0.91	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
11CI-PF3OUdS	763051-92-9	ND	1.01	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
NMeFOSAA	2355-31-9	ND	1.12	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
NEtFOSAA	2991-50-6	ND	1.12	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
PFDoA	307-55-1	ND	0.87	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
PFTrDA	72629-94-8	ND	0.90	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
PFTA	376-06-7	ND	1.01	1.94	ng/L	0.97		EPA 537.1	1/28/26 0738	CSS
PFAS6 (MassDEP)		17.75	1.94	1.94	ng/L	0.97				
Surrogates		Results		Recovery Limits		Pass/Fail				
13C-PFHxA (SUR) % Recovery		89.00		70 - 130		Pass				
13C3-HFPO-DA (SUR) % Recovery		110.10		70 - 130		Pass				
13C-PFDA (SUR) % Recovery		96.30		70 - 130		Pass				
d5-NEtFOSAA (SUR) % Recovery		89.20		70 - 130		Pass				

**Sample Extraction Data:**

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300784996	PFAS_537	537_EXT-260123-1	258	01/22/2026

Sample ID: 300784997

Customer ID: Field Blank- RAW

Collection Date: 01/21/2026 12:00

PWS ID# / LOC ID#: Field Blank

Project: FEE-RANDOLPHHOLBROOK-26-000001

Analyte	CAS#	Results	MDL	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	375-73-5	ND	0.92	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
PFHxA	307-24-4	ND	0.73	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
HFPO-DA	13252-13-6	ND	1.11	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
PFHpA	375-85-9	ND	0.68	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
PFHxS	355-46-4	ND	0.81	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
ADONA	919005-14-4	ND	0.61	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
PFOA	335-67-1	ND	0.74	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
PFOS	1763-23-1	ND	0.98	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
PFNA	375-95-1	ND	0.70	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
9CI-PF3ONS	756426-58-1	ND	0.81	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
PFDA	335-76-2	ND	0.73	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
PFUnA	2058-94-8	ND	0.91	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
11CI-PF3OUdS	763051-92-9	ND	1.01	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
NMeFOSAA	2355-31-9	ND	1.12	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
NEtFOSAA	2991-50-6	ND	1.12	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
PFDoA	307-55-1	ND	0.87	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
PFTrDA	72629-94-8	ND	0.90	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
PFTA	376-06-7	ND	1.01	1.94	ng/L	0.97		EPA 537.1	1/28/26 0754	CSS
PFAS6 (MassDEP)		ND	1.94	1.94	ng/L	0.97				
	Surrogates				Results		Recovery Limits		Pass/Fail	
	13C-PFHxA (SUR) % Recovery				91.20		70 - 130		Pass	
	13C3-HFPO-DA (SUR) % Recovery				101.30		70 - 130		Pass	
	13C-PFDA (SUR) % Recovery				93.00		70 - 130		Pass	
	d5-NEtFOSAA (SUR) % Recovery				92.70		70 - 130		Pass	

**Sample Extraction Data:**

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300784997	PFAS_537	537_EXT-260123-1	258	01/22/2026

Sample ID: 300784998

Customer ID: FINISHED

Collection Date: 01/21/2026 12:00

PWS ID# / LOC ID#: 4244001/10296

Project: FEE-RANDOLPHHOLBROOK-26-000001

Analyte	CAS#	Results	MDL	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	375-73-5	2.31	0.94	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
PFHxA	307-24-4	3.06	0.74	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
HFPO-DA	13252-13-6	ND	1.13	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
PFHpA	375-85-9	1.85	0.69	1.98	ng/L	0.99	J	EPA 537.1	1/28/26 0809	CSS
PFHxS	355-46-4	1.97	0.82	1.98	ng/L	0.99	J	EPA 537.1	1/28/26 0809	CSS
ADONA	919005-14-4	ND	0.62	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
PFOA	335-67-1	4.63	0.75	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
PFOS	1763-23-1	7.32	1.00	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
PFNA	375-95-1	0.89	0.71	1.98	ng/L	0.99	J	EPA 537.1	1/28/26 0809	CSS
9CI-PF3ONS	756426-58-1	ND	0.83	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
PFDA	335-76-2	ND	0.74	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
PFUnA	2058-94-8	ND	0.93	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
11CI-PF3OUdS	763051-92-9	ND	1.03	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
NMeFOSAA	2355-31-9	ND	1.14	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
NEtFOSAA	2991-50-6	ND	1.14	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
PFDoA	307-55-1	ND	0.89	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
PFTTrDA	72629-94-8	ND	0.92	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
PFTA	376-06-7	ND	1.03	1.98	ng/L	0.99		EPA 537.1	1/28/26 0809	CSS
PFAS6 (MassDEP)		11.95	1.98	1.98	ng/L	0.99				
Surrogates		Results		Recovery Limits		Pass/Fail				
13C-PFHxA (SUR) % Recovery		85.40		70 - 130		Pass				
13C3-HFPO-DA (SUR) % Recovery		107.00		70 - 130		Pass				
13C-PFDA (SUR) % Recovery		95.30		70 - 130		Pass				
d5-NEtFOSAA (SUR) % Recovery		89.30		70 - 130		Pass				

**Sample Extraction Data:**

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300784998	PFAS_537	537_EXT-260123-1	252	01/22/2026

Sample ID: 300784999

Customer ID: Field Blank - FINISHED

Collection Date: 01/21/2026 12:00

PWS ID# / LOC ID#: Field Blank

Project: FEE-RANDOLPHHOLBROOK-26-000001

Analyte	CAS#	Results	MDL	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	375-73-5	ND	0.92	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
PFHxA	307-24-4	ND	0.73	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
HFPO-DA	13252-13-6	ND	1.11	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
PFHpA	375-85-9	ND	0.68	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
PFHxS	355-46-4	ND	0.81	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
ADONA	919005-14-4	ND	0.61	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
PFOA	335-67-1	ND	0.74	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
PFOS	1763-23-1	ND	0.98	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
PFNA	375-95-1	ND	0.70	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
9CI-PF3ONS	756426-58-1	ND	0.81	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
PFDA	335-76-2	ND	0.73	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
PFUnA	2058-94-8	ND	0.91	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
11CI-PF3OUdS	763051-92-9	ND	1.01	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
NMeFOSAA	2355-31-9	ND	1.12	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
NEtFOSAA	2991-50-6	ND	1.12	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
PFDoA	307-55-1	ND	0.87	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
PFTTrDA	72629-94-8	ND	0.90	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
PFTA	376-06-7	ND	1.01	1.94	ng/L	0.97		EPA 537.1	1/28/26 0825	CSS
PFAS6 (MassDEP)		ND	1.94	1.94	ng/L	0.97				
Surrogates			Results		Recovery Limits		Pass/Fail			
13C-PFHxA (SUR) % Recovery			91.20		70 - 130					Pass
13C3-HFPO-DA (SUR) % Recovery			96.00		70 - 130					Pass
13C-PFDA (SUR) % Recovery			94.70		70 - 130					Pass
d5-NEtFOSAA (SUR) % Recovery			87.60		70 - 130					Pass

**Sample Extraction Data:**

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300784999	PFAS_537	537_EXT-260123-1	258	01/22/2026

**Regional Water Authority**

90 Sargent Dr, New Haven, CT 06511  
 Phone: 203-401-2700  
 Fax: 203-401-6799

**Chain of Custody Form**

**Company Name**  
 RANDOLPH/HOUBROOK  
 JOINT WATER

**Company Address**  
 275 POND ST.  
 RANDOLPH, MA 02043

**PO Number**

**Number of Bottles**

Sampler	RWA LIMS Number	Date Collected	Time Collected	Sample ID / Sample Location	EPA 537.1 (Hydroxymethyl) Aminomethane & Tris (Hydroxymethyl) Aminomethane	EPA 537.1 - Poured Field Blank & Tris (Hydroxymethyl) Aminomethane	Field Blank #	Remarks
	300784996	1/21/26	12 PM	① RAW	4	1	30784997	NOT FOR COMPLIANCE
	998	1/21/26	12 PM	② FINISHED	4	1	999	MA DEP COMPLIANCE

**State Sample Collected:**  
 CT NY Other (specify) MA  
 Evidence of Cooling (Circle):  or  N  
 Cooler Temp °C: 0.1  
 Container & Preservative Meet Criteria (Circle):  Yes /  No

**Test Requested, Container, & Preservative**

**Comments:**  
 # 410928  
 # 456870  
 PFA S 14  
 Res - Randolph/Hou Brook - 26-000001

**Relinquished by (Signature):** Paul Fox  
 Date & Time: 1/21/26 12:30 PM

**Relinquished by (Signature):** Paul Fox  
 Date & Time: 1/22/26 10:43

## 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: 1/22/2026

Sample ID for LFSM/LFSMD: 300784839

Analyte	LFSM %Recovery	LFSMD %Recovery	RPD of LFSM/LFSMD	LRB (MRL is 2)		LFB 60.0 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	95.1	100.0	4.4	ND	[ Y ]	97.0
PFHxA	98.5	100.3	1.5	ND	[ Y ]	95.9
HFPO-DA	111.4	109.7	1.6	ND	[ Y ]	99.3
PFHpA	101.2	102.2	0.8	ND	[ Y ]	94.6
PFHxS	101.8	102.9	0.9	ND	[ Y ]	96.8
ADONA	98.8	98.6	0.3	ND	[ Y ]	93.0
PFOA	106.7	106.7	0.0	ND	[ Y ]	96.1
PFOS	100.5	107.7	4.0	ND	[ Y ]	98.0
PFNA	101.3	100.1	1.0	ND	[ Y ]	95.0
9Cl-PF3ONS	99.6	101.1	1.5	ND	[ Y ]	97.1
PFDA	99.1	99.6	0.4	ND	[ Y ]	94.4
PFUnA	98.5	96.9	1.7	ND	[ Y ]	95.2
11Cl-PF3OUdS	95.7	97.0	1.4	ND	[ Y ]	95.2
NMeFOSAA	96.5	98.1	1.6	ND	[ Y ]	94.2
NEtFOSAA	101.3	99.6	1.7	ND	[ Y ]	93.7
PFDoA	98.9	98.9	0.0	ND	[ Y ]	95.5
PFTTrDA	98.5	97.2	1.3	ND	[ Y ]	95.0
PFTA	96.7	96.4	0.3	ND	[ Y ]	94.6

### 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	
93.80	105.00	95.50	92.90	LFSM
93.70	109.10	93.50	91.60	LFSMD
84.90	82.70	84.70	83.80	LRB
93.70	92.50	92.60	94.70	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