

Laboratory Certification IDs

CT: PH-0411 NH: 2239, NY: 11867, PA: 68-05519, VT: VT-11867, RI: LAO00339, MA: M-CT004
See website, www.rwalab.com/raw-lab-certifications, for certified analyte list

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ANALYTICAL REPORT

RWA: FEE-RANDOLPHHOLBROOK-21-000002

Report Date: 12/21/2021

November Results

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.



Technical Representative

SAMPLE SUMMARY

Sample ID	Text ID	Customer ID	Collection Date/Time	Receipt Date
300107197	NONE-300107197	RAW WATER	11/22/2021 11:15:00AM	11/23/21
300107198	NONE-300107198	FB RAW WATER	11/22/2021 11:15:00AM	11/23/21
300107199	NONE-300107199	PWS 4244001 FINISHED WATER	11/22/2021 11:15:00AM	11/23/21
300107200	NONE-300107200	FB FINISHED WATER	11/22/2021 11:15:00AM	11/23/21

Case Narrative

General Comments:

See the Result Page section for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below .

The samples were received at the approximate temperature and in accordance with the chain of custody unless otherwise noted.

J = The reported result is below Minimum Reporting Level but greater than the Method Detection Limit. The reported result is an estimate.

E = Exceeds calibration range

ND = Non Detect

RL = Minimum Reporting Level

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

Result Page:

Date Received: 11/23/2021
 Sample ID: 300107197
 Collection Date: 11/22/2021 11:15

Text ID: NONE-300107197
 Customer ID: RAW WATER

Analyte	Results	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	2.79	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA
PFHxA	4.13	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA
PFHpA	2.81	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA
PFHxS	3.13	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA
PFOA	6.09	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA
PFOS	10.4	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA
PFNA	ND	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA
PFDA	ND	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA
PFUnA	ND	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA
NMeFOSAA	ND	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA
NEtFOSAA	ND	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA
PFDoA	ND	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA
PFTrDA	ND	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA
PFTA	ND	2	ng/L	1		EPA537	12/6/21 16:48	CSS/GMA

Surrogates	Results	Recovery Limits	Pass/Fail
13C-PFHxA (SUR) % Recovery	106.19	70 - 130	Pass
13C-PFDA (SUR) % Recovery	108.87	70 - 130	Pass
d5-NEtFOSAA (SUR) % Recovery	83.65	70 - 130	Pass

Sample Extraction Data:

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300107197	PFAS_537	537_EXT-211129-1	250	11/29/2021

Date Received: 11/23/2021

Text ID: NONE-300107198

Sample ID: 300107198

Customer ID: FB RAW WATER

Collection Date: 11/22/2021 11:15

Analyte	Results	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA
PFHxA	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA
PFHpA	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA
PFHxS	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA
PFOA	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA
PFOS	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA
PFNA	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA
PFDA	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA
PFUnA	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA
NMeFOSAA	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA
NEtFOSAA	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA
PFDoA	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA
PFTTrDA	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA
PFTA	ND	2	ng/L	1		EPA537	12/6/21 17:01	CSS/GMA

Surrogates	Results	Recovery Limits	Pass/Fail
13C-PFHxA (SUR) % Recovery	96.95	70 - 130	Pass
13C-PFDA (SUR) % Recovery	96.57	70 - 130	Pass
d5-NEtFOSAA (SUR) % Recovery	85.93	70 - 130	Pass

Sample Extraction Data:

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300107198	PFAS_537	537_EXT-211129-1	250	11/29/2021

Date Received: 11/23/2021
 Sample ID: 300107199
 Collection Date: 11/22/2021 11:15

Text ID: NONE-300107199
 Customer ID: PWS 4244001 FINISHED WATER

Analyte	Results	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	2.24	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA
PFHxA	3.87	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA
1 PFHpA	2.43	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA
2 PFHxS	2.96	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA
3 PFOA	5.70	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA
4 PFOS	8.35	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA
5 PFNA	ND	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA
6 PFDA	ND	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA
PFUnA	ND	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA
NMeFOSAA	ND	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA
NEtFOSAA	ND	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA
PFDoA	ND	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA
PFTTrDA	ND	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA
PFTA	ND	2.02	ng/L	1.01		EPA537	12/6/21 17:14	CSS/GMA

Total 19.44

Surrogates	Results	Recovery Limits	Pass/Fail
13C-PFHxA (SUR) % Recovery	108.67	70 - 130	Pass
13C-PFDA (SUR) % Recovery	110.27	70 - 130	Pass
d5-NEtFOSAA (SUR) % Recovery	91.40	70 - 130	Pass

Sample Extraction Data:

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300107199	PFAS_537	537_EXT-211129-1	248	11/29/2021

Date Received: 11/23/2021

Text ID: NONE-300107200

Sample ID: 300107200

Customer ID: FB FINISHED WATER

Collection Date: 11/22/2021 11:15

Analyte	Results	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed		Analyst
PFBS	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA
PFHxA	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA
PFHpA	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA
PFHxS	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA
PFOA	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA
PFOS	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA
PFNA	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA
PFDA	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA
PFUnA	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA
NMeFOSAA	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA
NEtFOSAA	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA
PFDoA	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA
PFTTrDA	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA
PFTA	ND	2.02	ng/L	1.01		EPA537	12/6/21	17:26	CSS/GMA

Surrogates	Results	Recovery Limits	Pass/Fail
13C-PFHxA (SUR) % Recovery	106.49	70 - 130	Pass
13C-PFDA (SUR) % Recovery	116.96	70 - 130	Pass
d5-NEtFOSAA (SUR) % Recovery	79.39	70 - 130	Pass

Sample Extraction Data:

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300107200	PFAS_537	537_EXT-211129-1	248	11/29/2021

