

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-21-000001

Report Date: 12/21/2021

October 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
300085645	NONE-300085645	RAW WATER	10/20/2021 12:00:00AM	10/21/21
300085646	NONE-300085646	FB - RAW WATER	10/20/2021 12:00:00AM	10/21/21
300085647	NONE-300085647	PWS 4244001 FINISHED WATER	10/20/2021 12:00:00AM	10/21/21
300085648	NONE-300085648	FB - FINISHED WATER	10/20/2021 12:00:00AM	10/21/21

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: 10/21/2021
 Sample ID: 300085645
 Collection Date: 10/20/2021 0:00

Text ID: NONE-300085645
 Customer ID: RAW WATER

Analyte	Results	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	3.08	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA
PFHxA	4.30	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA
PFHpA	2.87	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA
PFHxS	3.75	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA
PFOA	6.26	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA
PFOS	11.8	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA
PFNA	ND	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA
PFDA	ND	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA
PFUnA	ND	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA
NMeFOSAA	ND	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA
NEtFOSAA	ND	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA
PFDoA	ND	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA
PFTTrDA	ND	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA
PFTA	ND	2	ng/L	1		EPA537	10/28/21 20:01	CSS/GMA

Surrogates	Results	Recovery Limits	Pass/Fail
13C-PFHxA (SUR) % Recovery	110.65	70 - 130	Pass
13C-PFDA (SUR) % Recovery	102.51	70 - 130	Pass
d5-NEtFOSAA (SUR) % Recovery	97.78	70 - 130	Pass

Sample Extraction Data:

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300085645	PFAS_537	537_EXT-211021-1	250	10/21/2021

Date Received: 10/21/2021
 Sample ID: 300085646
 Collection Date: 10/20/2021 0:00

Text ID: NONE-300085646
 Customer ID: FB - RAW WATER

Analyte	Results	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA
PFHxA	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA
PFHpA	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA
PFHxS	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA
PFOA	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA
PFOS	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA
PFNA	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA
PFDA	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA
PFUnA	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA
NMeFOSAA	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA
NEtFOSAA	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA
PFDoA	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA
PFTTrDA	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA
PFTA	ND	2.02	ng/L	1.01		EPA537	10/28/21 20:13	CSS/GMA

Surrogates	Results	Recovery Limits	Pass/Fail
13C-PFHxA (SUR) % Recovery	111.33	70 - 130	Pass
13C-PFDA (SUR) % Recovery	116.40	70 - 130	Pass
d5-NEtFOSAA (SUR) % Recovery	119.04	70 - 130	Pass

Sample Extraction Data:

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300085646	PFAS_537	537_EXT-211021-1	248	10/21/2021

Date Received: 10/21/2021

Text ID: NONE-300085647

Sample ID: 300085647

Customer ID: PWS 4244001 FINISHED WATER

Collection Date: 10/20/2021 0:00

Analyte	Results	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	2.81	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA
PFHxA	4.80	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA
1 PFHpA	2.21	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA
2 PFHxS	ND	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA
3 PFOA	5.91	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA
4 PFOS	12.0	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA
5 PFNA	ND	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA
6 PFDA	ND	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA
PFUnA	ND	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA
NMeFOSAA	ND	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA
NEtFOSAA	ND	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA
PFDoA	ND	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA
PFTTrDA	ND	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA
PFTA	ND	2	ng/L	1		EPA537	10/28/21 20:26	CSS/GMA

Total 20.12

Surrogates	Results	Recovery Limits	Pass/Fail
13C-PFHxA (SUR) % Recovery	125.17	70 - 130	Pass
13C-PFDA (SUR) % Recovery	128.55	70 - 130	Pass
d5-NEtFOSAA (SUR) % Recovery	106.83	70 - 130	Pass

Sample Extraction Data:

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300085647	PFAS_537	537_EXT-211021-1	250	10/21/2021

Date Received: 10/21/2021
 Sample ID: 300085648
 Collection Date: 10/20/2021 0:00

Text ID: NONE-300085648
 Customer ID: FB - FINISHED WATER

Analyte	Results	RL	Units	Dilution	Qualifier	Method	Date Time/ Analyzed	Analyst
PFBS	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA
PFHxA	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA
PFHpA	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA
PFHxS	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA
PFOA	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA
PFOS	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA
PFNA	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA
PFDA	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA
PFUnA	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA
NMeFOSAA	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA
NEtFOSAA	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA
PFDoA	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA
PFTTrDA	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA
PFTA	ND	2	ng/L	1		EPA537	10/28/21 20:39	CSS/GMA

Surrogates	Results	Recovery Limits	Pass/Fail
13C-PFHxA (SUR) % Recovery	117.91	70 - 130	Pass
13C-PFDA (SUR) % Recovery	122.36	70 - 130	Pass
d5-NEtFOSAA (SUR) % Recovery	119.86	70 - 130	Pass

Sample Extraction Data:

Lab Number (Field ID)	Prep Method	Batch	Final (mL)	Date
300085648	PFAS_537	537_EXT-211021-1	250	10/21/2021

