

ANALYTICAL RESULTS

STANDARD DELIVERABLES FORMAT

APL WORK ORDER NUMBER: 0120932

Verona Township

Project: 4th QRT PFNA

A handwritten signature in black ink, appearing to read "Brian Wood".

Brian Wood
Laboratory Director

All Results meet the requirements of the National Environmental Laboratory Accreditation Conference and/or
State specific certifications as applicable.

Report Date: Jan 06, 2021

Analytical Results Summary

4th QRT PFNA

0120932-01 (Drinking Water)

TP002001 Fairview Well POE

Collected
12/22/2020 13:25

Received
12/22/2020 15:20

Contact
Paul J Sonntag

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
EDB/DBCP/123TCP GC Micro Extractables								
1,2,3-Trichloropropane	EPA 504.1	01/04/21 21:32	01/05/21 18:29	ND	U	0.00401	0.0200	ug/L
1,2-Dibromo-3-chloropropane	EPA 504.1	01/04/21 21:32	01/05/21 18:29	ND	U	0.00701	0.0200	ug/L
1,2-Dibromoethane	EPA 504.1	01/04/21 21:32	01/05/21 18:29	ND	U	0.00801	0.0200	ug/L

Per- and Polyfluorinated Alkyl Substances - LCMS

N-ethyl perfluorooctanesulfonamidoacetic acid	EPA 537	12/30/20 11:41	12/30/20 20:24	ND	U		1.75	ng/L
N-methyl perfluorooctanesulfonamidoacetic acid	EPA 537	12/30/20 11:41	12/30/20 20:24	ND	U		1.75	ng/L
Perfluorobutanesulfonic acid (PFBS)	EPA 537	12/30/20 11:41	12/30/20 20:24	2.38			1.75	ng/L
Perfluorodecanoic acid (PFDA)	EPA 537	12/30/20 11:41	12/30/20 20:24	ND	U		1.75	ng/L
Perfluorododecanoic acid (PFDoA)	EPA 537	12/30/20 11:41	12/30/20 20:24	ND	U		1.75	ng/L
Perfluoroheptanoic acid (PFHpA)	EPA 537	12/30/20 11:41	12/30/20 20:24	3.39			1.75	ng/L
Perfluorohexanesulfonic acid (PFHxS)	EPA 537	12/30/20 11:41	12/30/20 20:24	11.5			1.75	ng/L
Perfluorohexanoic acid (PFHxA)	EPA 537	12/30/20 11:41	12/30/20 20:24	3.39			1.75	ng/L
Perfluorononanoic acid (PFNA)	EPA 537	12/30/20 11:41	12/30/20 20:24	ND	U		1.75	ng/L
Perfluorooctanesulfonic acid (PFOS)	EPA 537	12/30/20 11:41	12/30/20 20:24	7.61			1.75	ng/L
Perfluorooctanoic acid (PFOA)	EPA 537	12/30/20 11:41	12/30/20 20:24	20.4			1.75	ng/L
Perfluorotetradecanoic acid (PFTA)	EPA 537	12/30/20 11:41	12/30/20 20:24	ND	U		1.75	ng/L
Perfluorotridecanoic acid (PFTTrDA)	EPA 537	12/30/20 11:41	12/30/20 20:24	ND	U		1.75	ng/L
Perfluoroundecanoic acid (PFUnA)	EPA 537	12/30/20 11:41	12/30/20 20:24	ND	U		1.75	ng/L

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

Analytical Results Summary

4th QRT PFNA

0120932-02 (Drinking Water)

Field Blank

Collected
12/22/2020 13:25

Received
12/22/2020 15:20

Contact
Paul J Sonntag

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
Per- and Polyfluorinated Alkyl Substances - LCMS								
N-ethyl perfluorooctanesulfonamidoacetic acid	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L
N-methyl perfluorooctanesulfonamidoacetic acid	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L
Perfluorobutanesulfonic acid (PFBS)	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L
Perfluorodecanoic acid (PFDA)	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L
Perfluorododecanoic acid (PFDoA)	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L
Perfluoroheptanoic acid (PFHpA)	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L
Perfluorohexanesulfonic acid (PFHxS)	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L
Perfluorohexanoic acid (PFHxA)	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L
Perfluorononanoic acid (PFNA)	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L
Perfluorooctanesulfonic acid (PFOS)	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L
Perfluorooctanoic acid (PFOA)	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L
Perfluorotetradecanoic acid (PFTA)	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L
Perfluorotridecanoic acid (PFTTrDA)	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L
Perfluoroundecanoic acid (PFUnA)	EPA 537	12/30/20 11:41	12/30/20 20:47	ND	U		1.74	ng/L

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

4th QRT PFNA

0120932-03 (Drinking Water)

Trip Blank

Collected
12/22/2020 00:00

Received
12/22/2020 15:20

Contact
Paul J Sonntag

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
EDB/DBCP/123TCP GC Micro Extractables								
1,2,3-Trichloropropane	EPA 504.1	01/04/21 21:32	01/05/21 18:49	ND	U	0.00400	0.0200	ug/L
1,2-Dibromo-3-chloropropane	EPA 504.1	01/04/21 21:32	01/05/21 18:49	ND	U	0.00700	0.0200	ug/L
1,2-Dibromoethane	EPA 504.1	01/04/21 21:32	01/05/21 18:49	ND	U	0.00800	0.0200	ug/L

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

APL 0120932

AQUA PRO-TECH LABORATORIES



www.aquaprotechlabs.com

b Fairfield, NJ 07004

TEL: 973-227-0422

FAX: 973-227-2813

Contamination Level

☐ Low
☒ Medium
☐ High

CHAIN OF CUSTODY

Send Report To:	Sam		
Address:	Township of Verona		
Phone:	973-857-4843		
Send Invoice To:	Sum		
Address:	4th QRT PFNA		
Sampling Location:	Fairview wely POE		
Sampled By:	Joff samstag		

Comments/Special Instructions:

Ea Reporting Required

Sample ID = TPO02001

Cooler Temp:

40

ANALYSIS REQUESTED

Sample #	Sample Source: Field ID	Collect Date	Collect Time	Matrix	Sample Type	No. of Bottles	Preservative
01	TPO02001 (Fairview wely POE) + Blank	12/22/20	1:05pm	DW	G	2	Thi344 Acid
02	TPO02001 (Fairview wely POE)	12/22/20	1:05pm	DW	G	2	Wig 5203
03	Tri Blank						

RELINQUISHED BY:

Print: Paul J Samstag

Sign: Paul J Samstag

RELINQUISHED BY:

Print: Paul J Samstag

Sign: Paul J Samstag

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Date: 12/22/20

Time: 3:20pm

Date: 12/22/20

Time: 3:20pm

Date: 12/22/20

Time: 3:20pm