



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing



ANALYTICAL RESULTS

STANDARD DELIVERABLES FORMAT

APL WORK ORDER NUMBER: 1031480

Verona Township

Project: 1st Qtr (PFNA)

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: Apr 13, 2021



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

1st Qtr (PFNA)

1031480-01 (Drinking Water)

TP002001 POE Fairview Well (TP002001)

Collected
03/31/2021 15:00

Received
03/31/2021 16:00

Contact
Paul J Sonntag

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
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EDB/DBCP/123TCP GC Micro Extractables

1,2,3-Trichloropropane	EPA 504.1	04/07/21 17:18	04/08/21 12:20	ND	U	0.00399	0.0200	ug/L
1,2-Dibromo-3-chloropropane	EPA 504.1	04/07/21 17:18	04/08/21 12:20	ND	U	0.00699	0.0200	ug/L
1,2-Dibromoethane	EPA 504.1	04/07/21 17:18	04/08/21 12:20	ND	U	0.00799	0.0200	ug/L

Per- and Polyfluorinated Alkyl Substances - LCMS

N-ethyl perfluorooctanesulfonamidoacetic acid	EPA 537	04/06/21 12:07	04/06/21 21:58	ND	U		1.77	ng/L
N-methyl perfluorooctanesulfonamidoacetic acid	EPA 537	04/06/21 12:07	04/06/21 21:58	ND	U		1.77	ng/L
Perfluorobutanesulfonic acid (PFBS)	EPA 537	04/06/21 12:07	04/06/21 21:58	1.95			1.77	ng/L
Perfluorodecanoic acid (PFDA)	EPA 537	04/06/21 12:07	04/06/21 21:58	ND	U		1.77	ng/L
Perfluorododecanoic acid (PFDoA)	EPA 537	04/06/21 12:07	04/06/21 21:58	ND	U		1.77	ng/L
Perfluoroheptanoic acid (PFHpA)	EPA 537	04/06/21 12:07	04/06/21 21:58	4.90			1.77	ng/L
Perfluorohexanesulfonic acid (PFHxS)	EPA 537	04/06/21 12:07	04/06/21 21:58	15.4			1.77	ng/L
Perfluorohexanoic acid (PFHxA)	EPA 537	04/06/21 12:07	04/06/21 21:58	3.62			1.77	ng/L
Perfluorononanoic acid (PFNA)	EPA 537	04/06/21 12:07	04/06/21 21:58	ND	U		1.77	ng/L
Perfluorooctanesulfonic acid (PFOS)	EPA 537	04/06/21 12:07	04/06/21 21:58	13.9			1.77	ng/L
Perfluorooctanoic acid (PFOA)	EPA 537	04/06/21 12:07	04/06/21 21:58	35.1			1.77	ng/L
Perfluorotetradecanoic acid (PFTA)	EPA 537	04/06/21 12:07	04/06/21 21:58	ND	U		1.77	ng/L
Perfluorotridecanoic acid (PFTrDA)	EPA 537	04/06/21 12:07	04/06/21 21:58	ND	U		1.77	ng/L
Perfluoroundecanoic acid (PFUnA)	EPA 537	04/06/21 12:07	04/06/21 21:58	ND	U		1.77	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

1st Qtr (PFNA)

1031480-02 (Drinking Water)

Field Blank (FRB)

Collected
03/31/2021 14:55

Received
03/31/2021 16:00

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	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	ng/L
N-methyl perfluorooctanesulfonamidoacetic acid	EPA 537	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	ng/L
Perfluorobutanesulfonic acid (PFBS)	EPA 537	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	ng/L
Perfluorodecanoic acid (PFDA)	EPA 537	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	ng/L
Perfluorododecanoic acid (PFDoA)	EPA 537	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	ng/L
Perfluoroheptanoic acid (PFHpA)	EPA 537	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	ng/L
Perfluorohexanesulfonic acid (PFHxS)	EPA 537	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	ng/L
Perfluorohexanoic acid (PFHxA)	EPA 537	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	ng/L
Perfluorononanoic acid (PFNA)	EPA 537	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	ng/L
Perfluorooctanesulfonic acid (PFOS)	EPA 537	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	ng/L
Perfluorooctanoic acid (PFOA)	EPA 537	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	ng/L
Perfluorotetradecanoic acid (PFTA)	EPA 537	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	ng/L
Perfluorotridecanoic acid (PFTTrDA)	EPA 537	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	ng/L
Perfluoroundecanoic acid (PFUnA)	EPA 537	04/06/21 12:07	04/06/21 22:22	ND	U		1.77	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

1st Qtr (PFNA)

1031480-03 (Drinking Water)

Trip Blank (TB)

Collected
03/31/2021 00:00

Received
03/31/2021 16:00

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	04/07/21 17:18	04/08/21 12:40	ND	U	0.00401	0.0201	ug/L
1,2-Dibromo-3-chloropropane	EPA 504.1	04/07/21 17:18	04/08/21 12:40	ND	U	0.00702	0.0201	ug/L
1,2-Dibromoethane	EPA 504.1	04/07/21 17:18	04/08/21 12:40	ND	U	0.00802	0.0201	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 1031480

AQUA PRO-TECH LABORATORIES



www.aquaprotechlabs.com

1275 BLOOMFIELD AVENUE • BUILDING 5
FAIRFIELD, NEW JERSEY 07004TEL: 973.227.0422
FAX: 973.227.2813
 CONTAMINATION LEVEL
☐ LOW
☐ MEDIUM
☐ HIGH

CHAIN OF CUSTODY

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TURN-AROUND TIME

CLIENT: <u>Township of Verona</u>	SEND REPORT TO: <u>Same</u>
ADDRESS: <u>10 Cornerect</u>	ADDRESS:
PHONE: <u>Verona NJ 07044</u>	PHONE:
E-MAIL: <u>JSomtag@VeronaNJ.org</u>	SEND INVOICE TO: <u>Same</u>
PROJECT NAME: <u>1st Grd (PFA)</u>	ADDRESS:
PROJECT MGR: <u>Pav J Somtag</u>	SAMPLING LOCATION:
PROJECT or PO #: <u>21-00089</u>	SAMPLED BY: <u>Dave Legg</u>

<input checked="" type="checkbox"/> APL STANDARD 2 weeks <input type="checkbox"/> RUSH (choose one below, may need lab approval) <input type="checkbox"/> 24 hr. date & time required <input type="checkbox"/> 48 hr. date & time required <input type="checkbox"/> 72 hr. date & time required <input type="checkbox"/> 1 week	REPORT/ELECTRONIC FORMAT <input type="checkbox"/> RESULTS ONLY <input type="checkbox"/> NJ DEP REDUCED <input type="checkbox"/> NJ DEP FULL <input checked="" type="checkbox"/> STATE FORMS/E2 REPORTING PWSID# <u>NJ0720001</u> SRP#
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MATRIX ABBREVIATIONS: D - DRINKING WATER G - GROUNDWATER W - WASTEWATER S - SOIL SL - SLUDGE C - CONCRETE L - LAKE

APL Lab ID #	Sample Source: Field ID	Date	Time	Sample Type				No. of Bottles	Preservative	Analysis Requested	
				D	G	W	S				
1031480 - C1	TP002001 (PDE) (Fairview Well)	3-31-21	3:00pm	X				2	ED3 H ₂ O ₂	1,2,3 TCP	TP002001
	TP002001 (PDE) (Fairview Well)	3-31-21	2:55pm	X				2	TH ₃ MA Acid	PFA	TP002001
	Field Blank	3-31-21	2:55pm	X				1		PFA	TP002001

RELINQUISHED BY	PRINT <u>Tom Alessi</u>	SIGN <u>Tom Alessi</u>	DATE & TIME <u>3-31-21 3:58pm</u>
RECEIVED BY	PRINT <u>Dupe</u>	SIGN <u>Dupe</u>	DATE & TIME <u>3/31/2000</u>
RELINQUISHED BY	PRINT	SIGN	DATE & TIME
RECEIVED BY	PRINT	SIGN	DATE & TIME

COMMENTS/SPECIAL INSTRUCTIONS

E2 reporting

Cooler Temp. upon receipt at lab

4.0

 CERTIFICATIONS: NELAP (National Environmental Laboratory Accreditation Program) NJDEP #07010 PADEP #66-02903 NYDOH #11634
 By signing this Chain of Custody Agreement, customer expressly agrees to pay APL for all charges, reasonably incurred in connection with analysis and reporting for these samples