

ANALYTICAL RESULTS

STANDARD DELIVERABLES FORMAT

APL WORK ORDER NUMBER: 0120933

Verona Township

Project: 4th QRT 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: Jan 06, 2021

Analytical Results Summary

4th QRT PFNA

0120933-01 (Drinking Water)

TP003001 Linn Dr Well POE

Collected 12/22/2020 12:35	Received 12/22/2020 15:20	Contact Paul J Sonntag
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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	01/04/21 21:32	01/05/21 19:10	ND	U	0.00400	0.0200	ug/L
1,2-Dibromo-3-chloropropane	EPA 504.1	01/04/21 21:32	01/05/21 19:10	ND	U	0.00700	0.0200	ug/L
1,2-Dibromoethane	EPA 504.1	01/04/21 21:32	01/05/21 19:10	ND	U	0.00800	0.0200	ug/L

Per- and Polyfluorinated Alkyl Substances - LCMS

N-ethyl perfluorooctanesulfonamidooctic acid	EPA 537	12/30/20 11:41	12/30/20 21:11	ND	U		1.83	ng/L
N-methyl perfluorooctanesulfonamidooctic acid	EPA 537	12/30/20 11:41	12/30/20 21:11	ND	U		1.83	ng/L
Perfluorobutanesulfonic acid (PFBS)	EPA 537	12/30/20 11:41	12/30/20 21:11	1.89			1.83	ng/L
Perfluorodecanoic acid (PFDA)	EPA 537	12/30/20 11:41	12/30/20 21:11	ND	U		1.83	ng/L
Perfluorododecanoic acid (PFDoA)	EPA 537	12/30/20 11:41	12/30/20 21:11	ND	U		1.83	ng/L
Perfluoroheptanoic acid (PFHpA)	EPA 537	12/30/20 11:41	12/30/20 21:11	3.37			1.83	ng/L
Perfluorohexanesulfonic acid (PFHxS)	EPA 537	12/30/20 11:41	12/30/20 21:11	11.1			1.83	ng/L
Perfluorohexanoic acid (PFHxA)	EPA 537	12/30/20 11:41	12/30/20 21:11	2.90			1.83	ng/L
Perfluorononanoic acid (PFNA)	EPA 537	12/30/20 11:41	12/30/20 21:11	ND	U		1.83	ng/L
Perfluorooctanesulfonic acid (PFOS)	EPA 537	12/30/20 11:41	12/30/20 21:11	9.11			1.83	ng/L
Perfluorooctanoic acid (PFOA)	EPA 537	12/30/20 11:41	12/30/20 21:11	23.3			1.83	ng/L
Perfluorotetradecanoic acid (PFTA)	EPA 537	12/30/20 11:41	12/30/20 21:11	ND	U		1.83	ng/L
Perfluorotridecanoic acid (PFTrDA)	EPA 537	12/30/20 11:41	12/30/20 21:11	ND	U		1.83	ng/L
Perfluoroundecanoic acid (PFUnA)	EPA 537	12/30/20 11:41	12/30/20 21:11	ND	U		1.83	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

0120933-02 (Drinking Water)

Field Blank

Collected 12/22/2020 12:35	Received 12/22/2020 15:20	Contact Paul J Sonntag
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Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
Per- and Polyfluorinated Alkyl Substances - LCMS								
N-ethyl perfluorooctanesulfonamide acid	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	ng/L
N-methyl perfluorooctanesulfonamide acid	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	ng/L
Perfluorobutanesulfonic acid (PFBS)	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	ng/L
Perfluorodecanoic acid (PFDA)	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	ng/L
Perfluorododecanoic acid (PFDoA)	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	ng/L
Perfluoroheptanoic acid (PFHpA)	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	ng/L
Perfluorohexanesulfonic acid (PFHxS)	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	ng/L
Perfluorohexanoic acid (PFHxA)	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	ng/L
Perfluorononanoic acid (PFNA)	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	ng/L
Perfluorooctanesulfonic acid (PFOS)	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	ng/L
Perfluorooctanoic acid (PFOA)	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	ng/L
Perfluorotetradecanoic acid (PFTA)	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	ng/L
Perfluorotridecanoic acid (PFTrDA)	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	ng/L
Perfluoroundecanoic acid (PFUnA)	EPA 537	12/30/20 11:41	12/30/20 21:34	ND	U		1.79	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



CHAIN OF CUSTODY

Send Report To: same
 Address: same
 Phone: same
 Send Invoice To: same
 Address: same
 Sampling Location: LINDR well
 Sampled By: Jeff Sonntag

Project Name: 4THART PFNA
 Project Manager: Paul J Sonntag
 Project or PO #: 20-00238

Phone: 973-857-4843
 E-Mail: J.Sonntag@VeronaNJ.org

Address: Verona NJ 07044
 Phone: 973-857-4843

6 Fairfield, NJ 07004

TEL: 973-227-0422

FAX: 973-227-2813

Contamination Level

Low
 Medium
 High

Comments/Special Instructions:

Ea Reporting Required
 Sample ID = TPO03001

Cooler Temp: 40

Turn-Around Time
 APL Standard 2 Weeks
 Rush (Choose One Below)
 1 Day 2 Days 3 Days
 1 Week Other (Specify Below)

Date and Time Required: _____
 **May Need Lab Approval

Report / Electronic Format
 Results Only / NY ASP-A
 Reduced: NJ DEP
 Full: NJ DEP / NY ASP-B
 State Forms/E2 Reporting

Excel Summary
 EquiS
 EnviroData
 Hazsite EDD

PWSID # NJ0720501 SRP# _____

ANALYSIS REQUESTED

Sample #	Sample Source: Field ID	Matrix Abbreviations:				Collect Time	Matrix	Sample Type	Grab Comp	No. of Bottles	Preservative
		DW - Drinking Water	L - Lake	S - Soil	W - Wipes						
01	TPO03001 (LINDR well) <u>PFNA</u>	GW - Groundwater	Pool	SD - Solid	0 - Oil	12/22/20 12:35pm	DW	G	2	TRIS/A	
02	TPO03001 (LINDR well) <u>blank</u>	MW - Wastewater	SPA	SL - Sludge	PC - Paint	12/22/20 12:35pm	DW	G	2	NARS203	
		SW - Surface Water	C - Concrete	Chips							

RELINQUISHED BY: Paul J Sonntag RECEIVED BY: Clare Date: 12/22/20
 Sign: [Signature] Sign: [Signature] Time: 3:20pm

RELINQUISHED BY: _____ RECEIVED BY: _____ Date: _____
 Sign: _____ Sign: _____ Time: _____

RELINQUISHED BY: _____ RECEIVED BY: _____ Date: _____
 Sign: _____ Sign: _____ Time: _____