Water Authority of Western Nassau County

July 7, 2023

New York State Department of Health
Empire State Plaza
Corning Tower
Albany, New York 12237

Re: Deferral Update PFOA, PFOS, 1,4 – dioxane

Dear Sirs:

This letter with attachment represents the second quarter 2023 Capital Project updates for wells which received deferral from MCL violations regarding PFOA, PFOS, and 1,4-dioxane. The Water Authority of Western Nassau County ("Water Authority") continues to aggressively install new wellhead treatment systems to bring all wells into compliance with the regulation that became effective on August 26, 2020.

Sincerely,

Michael J. Tierney

Michael J. Tierney
Superintendent

1580 Union Turnpike, New Hyde Park, NY 11040-1762
(516) 327-4100 • Fax (516) 327-4132
www.wawnc.org

Water Authority of Western Nassau County

Station 20, Well 20
Evergreen Avenue, New Hyde Park, N.Y.

Update: July 7, 2023

Status:	In Service May 14, 2021
NYS Allowable levels:	1,4 – dioxane (1 part per billion) PFOS (10 parts per trillion) PFOA (10 parts per trillion)
Most Recent Raw Water Test Results: (Samples Collected on May 4, 2023)	1,4 – dioxane (.350 part per billion) PFOS (17.0 parts per trillion) PFOA (18.0 parts per trillion)
Most Recent Treated Water Test Results: (Samples Collected on May 4, 2023	PFOS (ND parts per trillion) PFOA (ND parts per trillion)

Construction Project for the Installation of Granular Activated Carbon ("GAC") vessels to remove PFOS/PFOA.

Phase 1 Construction Project Chronological Progress:

May 2020 Pilot Study Performed

August 2020 Pilot Study Report Sent to NYS Department of Health ("NYSDOH")

October 2020 Full Site Engineering Report Complete and Sent to NYSDOH

November 2020 Project Plans and Specifications Complete and sent to NYSDOH

December 2020 Construction Start Date with Estimated Completion Date of April 2021

March 15, 2021 GAC Vessels Arrived

May 2021 Well Startup and Completed Works Approval

Regulatory Approvals Dates	Pilot Study Report April 2021 Full Engineering Report April 2021 Approval of Overall Project May 13, 2021 TOWN DPW Drainage Approval April 29, 2021

County DPW Drainage Approval March 29, 2021

Phase 1 Current Status

All water assets are now installed and in-service effective May 14, 2021. On July 3, 2021 the booster motor failed and the well is temporarily out of service. Emergency protocol was taken to replace the motor. The motor has been replaced and Station is back in service. First Carbon media exchange took place on May 15th and 16th in 2023. Department of Health approval to return to service was received on June 16, 2023,

Phase 2 Construction Project Permanent Building and Site Work Chronological Progress:

January 2021 Design of Permanent GAC Building

March 2021 Bid Date

July 1, 2021 Construction Start Date. On June 28th the contractor submitted substantial completion letter.

Phase 3 Construction Project Installation of AOP Treatment, Replacement of Elevated Storage Tank and Site Rehabilitation

Estimated Date of Engineering Report July 2023 to be included with NYS WII grant application.

Project Start Date May 2024

Estimated Completion Date December 2026

Station 28, Well 28
Miriam Parkway, Elmont, N.Y.

Update: July 7, 2023

Status:	May 20, 2022 In Service
	1,4 – dioxane (1 part per billion)
NYS Allowable levels:	PFOS (10 parts per trillion)
	PFOA (10 parts per trillion)
Most Recent Raw Water Test Results:	1,4 – dioxane (ND parts per billion)
(Samples collected on June 13, 2023)	PFOS (8.0 parts per trillion)
(Quarterly 1, 4 – dioxane collected June 13, 2023	PFOA (22.0 parts per trillion)
Most Recent Treated Water Test Results:	PFOS (<ND parts per trillion)
(Samples collected on June 13, 2023)	PFOA (4.0 parts per trillion)

Construction Project for the Installation of Granular Activated Carbon ("GAC") vessels to remove PFOS/PFOA. Carbon media experienced first breakthrough. Request will be made to Board of Directors for Carbon exchange will occur at July 2023 meeting.

Phase 1 Construction Project Chronological Progress:

November 2019 Full Site Engineering Report Complete and Sent to NYSDOH

November 2019 Project Plans and Specifications Complete and sent to NYSDOH

December 2019 Construction Start Date with Estimated Completion Date of May 2020

June 2020 Well Startup and Completed Works Approval

Regulatory Approvals Dates	Full Engineering Report March 2020
	Approval of Overall Project June 2020

Phase 2 Construction Project Temporary Fabric Enclosures:

January 2021 Enclosure Installation Started

February 2021 Enclosure Installation Complete

Phase 3 Construction of Permanent Building around GAC Vessels

Permanent building installation to take place beginning June 2024

**** Well 28 running to system through new treatment. Water quality is in compliance with all NYSDOH Standards.

Station 35, Well 35A
Cisney Avenue, Floral Park, N.Y.

Update: July 7, 2023

Status:	June 2021 In Service
NYS Allowable levels:	1,4 – dioxane (1 part per billion) PFOS (10 parts per trillion) PFOA (10 parts per trillion)
Most Recent Raw Water Test Results: (Samples collected June 15, 2023)	1,4 – dioxane (.730 parts per billion) PFOS (8.9 parts per trillion) PFOA (16.0 parts per trillion)
Most Recent Treated Water Test Results: (Samples collected June 15, 2023)	1,4 – dioxane (.022 parts per billion) PFOS (ND parts per trillion) PFOA (ND parts per trillion)

Construction Project for the Installation of Granular Activated Carbon ("GAC") vessels to remove PFOS/PFOA and installation of Ultraviolet Advanced Oxidation Process ("AOP") to remove 1,4 – dioxane.

Phase 1 Construction Project Chronological Progress:

April 2020 Pilot Study Performed

August 2020 Pilot Study Report Sent to NYS Department of Health ("NYSDOH")

October 2020 Full Site Engineering Report Complete and Sent to NYSDOH

December 2020 Project Plans and Specifications Complete and sent to NYSDOH

January 2021 Construction Start Date with Estimated Completion Date of August 2021

GAC Vessels Arrived April 26, 2021

AOP Enclosure Arrived March 4, 2021

AOP Reactor Arrived April 13, 2021

Completed Works Approval January 20, 2022

Well Startup March 2, 2022

Regulatory Approvals Dates	Pilot Study Report March 2021 Full Engineering Report NCDOH April 2021

NYSDOH Approval of Overall Project August 30, 2021

Phase 1 Current Status

Phase 1 is complete and all wellhead treatment systems are operating according to design

Phase 2 Construction Project Permanent GAC Building and Site Work Chronological Progress:

April 2021 Design of Permanent GAC Building

April 26, 2021 Was Bid Opening for Permanent GAC Building

Project is complete.

Phase 3 Construction Project Demolition of Existing Well House to Raise Wells and Site Rehabilitation Work:

Project will start in 2024 following the installation of all Water Authority wellhead treatment for emerging contaminants for all Water Authority impacted wells. Hydrogen peroxide pump requires adjustment.

Note: Well 35 at this site is out of service due to high levels of iron.

Station 40, Wells 40 & 40A (Headquarters Site)
Union Turnpike, New Hyde Park, N.Y.

July 7, 2023

Status:	June 2021 In Service
NYS Allowable levels:	1,4 – dioxane (1 part per billion) PFOS (10 parts per trillion) PFOA (10 parts per trillion)
Most Recent Raw Water Test Results:	
Well 40 (Samples collected June 15, 2023)	1,4 – dioxane (.680 parts per billion) PFOS (7.6 parts per trillion) PFOA (18.0 parts per trillion)
Well 40A (Samples collected June 15, 2023)	1,4 – dioxane (1.30 parts per billion) PFOS (9.0 parts per trillion) PFOA (18.0 parts per trillion)
Blended 40 / 40A	1,4 dioxane (.80 parts per billion PFOS (8.2 parts per trillion) PFOA (18.0 parts per trillion)

Construction Project for the Installation of Granular Activated Carbon ("GAC") vessels to remove PFOS/PFOA and installation of Ultraviolet Advanced Oxidation Process ("AOP") to remove 1,4 – dioxane.

Phase 1 Construction Project Chronological Progress:

April 2020 Pilot Study Performed

August 2020 Pilot Study Report Sent to NYS Department of Health ("NYSDOH")

Regulatory Approvals Dates	Pilot Study Report March 2021 Full Engineering Report NCDOH April 2021 (Awaiting comments from NYSDOH) Approval of Overall Project December 2021 Blending Application Sent to NYSDOH and NCDOH on April 20, 2021. Approval of

Blending application has been received on Sept. 29, 2021.

*Water Authority is awaiting NYSDOH comments on Pilot Study.

Available space for wellhead treatment at this site is an obstacle to preparing the full engineering report and to prepare project design and specifications. This site serves as the Water Authority headquarters location.

As of June 2022 the Water Authority had acquired both residential properties adjacent to Station 40 which are now vacant. Both buildings have now been demolished and preliminary site preparation has taken place. Bid Design for installation of new GAC and AOP systems is well underway (approximately 80% complete) with multiple meetings between staff and H2M.

The Water Authority has instructed the engineering firm of H2M Group to prepare a request for blending proposal of the two wells located at Station 40. This report was sent on April 20, 2021 and approval received from the NCDOH on Sept. 29, 2021. The Engineering Report is expected to be complete by January 2022 using the assumption that the adjacent property is acquired. DOH approval is expected several months following submission. Water currently produced is blended. Potential delays could occur toward the procurement of necessary treatment system assets. It is expected to take 3-4 months to obtain GAC vessels and 6-7 months to obtain an AOP reactor. Contractor labor issues continue to slow down all emerging contaminant projects as a result of many projects underway throughout the water industry. Engineering design is 90% complete and under review by staff. Town of North Hempstead building permit application is under preparation.

Station 44, Wells 44, 44A, 44B, 44C
Chelsea Street, Elmont, N.Y.

Update: July 7, 2023

Status:	June 2021 In Service
	1,4 – dioxane (1 part per billion)
NYS Allowable levels:	PFOS (10 parts per trillion)
	PFOA (10 parts per trillion)

Most Recent Raw Water Test Results:

Well 44	
(PFOS/PFOA Samples collected June 13, 2023)	1,4 – dioxane (ND parts per billion)
	PFOS (13.0 parts per trillion)
Quarterly 1, 4 – dioxane samples collected June 13, 2023	PFOA (21.0 parts per trillion)
Well 44A	
(PFOS/PFOA Samples collected June 13, 2023)	1,4 – dioxane (ND parts per billion)
	PFOS (ND parts per trillion)
Quarterly 1, 4 – dioxane samples collected June 13, 2023	PFOA (8.5 parts per trillion)
Well 44B	
(PFOS/PFOA Samples collected June 13, 2023)	1,4 – dioxane (ND parts per billion)
	PFOS (15.0 parts per trillion)
Quarterly 1, 4 – dioxane samples collected June 13, 2023	PFOA (28.0 parts per trillion)
Well 44C	
(PFOS/PFOA Samples collected June 13, 2023)	1,4 – dioxane (ND parts per billion)
	PFOS (8.0 parts per trillion)
Quarterly 1, 4 – dioxane samples collected June 13, 2023	PFOA (5.8 parts per trillion)

Most Recent Treated Water Test Results:

Well 44 / 44A	1,4 – dioxane (ND parts per billion)
(Samples collected June 13, 2023)	PFOS (ND parts per trillion)

	PFOA (8.3 parts per trillion)
Well 44B / 44C	1,4 – dioxane (ND parts per billion)
(Samples collected June 13, 2023)	PFOS (ND parts per trillion)
	PFOA (9.6 parts per trillion)

Construction Project for the Installation of Granular Activated Carbon ("GAC") vessels to remove PFOS/PFOA.

Phase 1 Construction Project Chronological Progress:

September 2019 Full Engineering report complete and sent to NYSDOH

November 2019 Project design and specifications complete and sent to NYSDOH

December 2019 Project Construction begins

January 2020 Calgon Carbon column testing performed

	Full Engineering Report March 2020
Actual Regulatory Approval Dates	Design Approval April 2020
	Approval of Overall Project in Service June 2020

Phase 2 Construction Project Temporary Fabric Vessel Enclosures:

December 2020 Construction of Fabric tent enclosures around 2 sets of vessels

January 2021 Tent Enclosures are Complete

Phase 3 Construction Project Permanent Treatment Buildings, Raising Wells and full site Rehabilitation including Emergency Generators:

Design and Specifications for Public Bidding is 100% complete and under review by Water Authority staff. Corrections have been incorporated and second review is complete and changes are being incorporated. Expected bid to take place the week of July 17, 2023. First breakthrough of Carbon media. Vessels 44/A3, 44/A4, 44B/C3 & 44B/B4 had media exchange take place on June 19, 20, 21, 22 & 26 of 2023.

September 2023 Construction starts

Project length is estimated at 2 years

****Wells 44, 44A, 44B and 44C running to system through new treatment. Water quality is in compliance with all NYSDOH Standards.

Station 57, Wells 57, 57A
South 6th Street, New Hyde Park, N.Y.

Update: July 7, 2023

Status:	**Remains Out of Service** since October 15, 2020
NYS Allowable levels:	1,4 – dioxane (1 part per billion) PFOS (10 parts per trillion) PFOA (10 parts per trillion)

Most Recent Raw Water Test Results:

Well 57 (Samples collected June 15, 2023 for 1,4 – dioxane and June 15, 2023 for PFOS/PFOA)	1,4 – dioxane (5.4 parts per billion) PFOS (33.0 parts per trillion) PFOA (100.0 parts per trillion)
Well 57A (Samples collected June 10, 2022)	1,4 – dioxane (25.1 parts per billion) PFOS (11.6 parts per trillion) PFOA (95.3 parts per trillion)

Construction Project for the Installation of Granular Activated Carbon ("GAC") vessels to remove PFOS/PFOA and installation of Ultraviolet Advanced Oxidation Process ("AOP) to remove 1,4 – dioxane.

Most Recent Treated Water Test Results:

Well 57 (Samples collected Jan. 18, 2023 for 1, 4 dioxane and Jan. 11, 2023 for PFOS/PFOA)	1,4 – dioxane (<.020 parts per billion) PFOS (ND parts per trillion) PFOA (ND parts per trillion)
Well 57A (Samples collected March 3, 2023 for 1,4 – dioxane and June 10, 2022 for PFOS/PFOA)	1,4 – dioxane (.029 parts per billion) PFOS (ND parts per trillion) PFOA (ND parts per trillion)

Phase 1 Construction Project Chronological Progress of Full Site Rehabilitation:

December 2016 Acquired property adjacent to this site

September 2018 Pilot Study Performed

March 2019 Pilot Study Report Sent to NYS Department of Health ("NYSDOH")

June 2019 Full Engineering report complete and sent to NYSDOH

January 2020 Project design and specifications complete and sent to NYSDOH

October 2020 Project Construction begins with Estimated Completion Date of November 2022 for Well 57. Well 57A will require additional performance testing.

Estimated Regulatory Approval Dates

Pilot Study Report July 2019

Full Engineering Report May 2020

Approval of Overall Project October 2022

This project includes a full site rehabilitation including demolition of all existing buildings, raising wells, new air stripper tower, new emergency generator, replacement of all water assets and appurtenances and new wellhead treatment for the removal of emerging contaminants.

Current Status

Following operating Well 57 to waste for 4 consecutive months, with weekly laboratory sampling, the aldehyde levels resulted in non-detect. Based on these results, and non-detect levels for 1,4 dioxane and PFAs the DOH gave approval for Well 57 to go to system. Well 57 put to system on June 13, 2023. Well 57A is being operated to waste. Laboratory samples taken on June 30, 2023 are expecting results the week of July 17, 2023.

Laboratory Results

Results for the samples and analytes requested
The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Pace
575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70255250001
Client Sample ID.: N-00017

Federal ID : 2902830
Collected : 05/04/2023 10:38 AM Point N-00017
Received : 05/04/2023 03:15 PM Location Well #20
Collected By GC03 No NHP

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 05/05/2023 12:54

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.35		1	ug/L	1	05/07/2023 7:21 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	104%		1	%REC		05/07/2023 7:21 PM	001 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 05/22/2023

Jennifer Aracri
Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS/1,4 DIOXANE 5/4 Sample Description: Work Order: 23E1017

Date Received: 5/6/2023

Field Sample #: N-00017 20 (RAW) Sampled: 5/4/2023 10:38

Sample ID: 23E1017-01

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.2	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluoropentanoic acid (PFPeA)	4.4	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluorohexanoic acid (PFHxA)	4.2	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluorohexanesulfonic acid (PFHxS)	3.8	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluoroheptanoic acid (PFHpA)	3.9	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluorooctanoic acid (PFOA)	18	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluorooctanesulfonic acid (PFOS)	17	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW
Perfluorononanoic acid (PFNA)	6.1	2.0		ng/L	1		EPA 533	5/10/23	5/17/23 18:20	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	51.9	50-200		5/17/23 18:20
M2-8:2FTS	114	50-200		5/17/23 18:20
MPFBA	76.8	50-200		5/17/23 18:20
M3HFPO-DA	68.7	50-200		5/17/23 18:20
M6PFDA	69.3	50-200		5/17/23 18:20
M3PFBS	102	50-200		5/17/23 18:20
M7PFUnA	65.2	50-200		5/17/23 18:20
M2-6:2FTS	75.0	50-200		5/17/23 18:20
M5PFPeA	75.2	50-200		5/17/23 18:20
M5PFHxA	67.2	50-200		5/17/23 18:20
M3PFHxS	112	50-200		5/17/23 18:20
M4PFHpA	66.2	50-200		5/17/23 18:20
M8PFOA	67.4	50-200		5/17/23 18:20
M8PFOS	99.6	50-200		5/17/23 18:20
M9PFNA	66.8	50-200		5/17/23 18:20
MPFDoA	65.3	50-200		5/17/23 18:20

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS/1,4 DIOXANE 5/4 Sample Description: Work Order: 23E1017

Date Received: 5/6/2023

Field Sample #: AS/GAC-00017 20 (TREATED) Sampled: 5/4/2023 10:41

Sample ID: 23E1017-02

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.2	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluoropentanoic acid (PFPeA)	4.2	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	5/10/23	5/17/23 18:28	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	42.9 *	50-200	S-29	5/17/23 18:28
M2-8:2FTS	95.2	50-200		5/17/23 18:28
MPFBA	63.5	50-200		5/17/23 18:28
M3HFPO-DA	58.5	50-200		5/17/23 18:28
M6PFDA	60.9	50-200		5/17/23 18:28
M3PFBS	92.2	50-200		5/17/23 18:28
M7PFUnA	60.0	50-200		5/17/23 18:28
M2-6:2FTS	55.9	50-200		5/17/23 18:28
M5PFPeA	63.1	50-200		5/17/23 18:28
M5PFHxA	55.9	50-200		5/17/23 18:28
M3PFHxS	96.9	50-200		5/17/23 18:28
M4PFHpA	59.0	50-200		5/17/23 18:28
M8PFOA	56.8	50-200		5/17/23 18:28
M8PFOS	86.3	50-200		5/17/23 18:28
M9PFNA	60.3	50-200		5/17/23 18:28
MPFDoA	55.3	50-200		5/17/23 18:28

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70251569004
Client Sample ID.: N-02414

Federal ID : 2902830
Collected : 04/04/2023 10:56 AM Point N-02414
Received : 04/04/2023 03:00 PM Location Well #28
Collected By PACE Elmont

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 04/05/2023 12:20

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.025		1	ug/L	1	04/07/2023 10:49	004 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	105%		1	%REC		04/07/2023 10:49	004 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 04/14/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS 6/13
Sample Description:
Work Order: 23F1923

Date Received: 6/15/2023
Field Sample #: N-02414 28 (RAW)
Sampled: 6/13/2023 11:16
Sample ID: 23F1923-01
Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.0	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluorobutanesulfonic acid (PFBS)	6.0	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluoropentanoic acid (PFPeA)	8.5	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluorohexanoic acid (PFHxA)	8.1	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluorohexanesulfonic acid (PFHxS)	4.5	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluoroheptanoic acid (PFHpA)	6.1	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluorooctanoic acid (PFOA)	22	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluorooctanesulfonic acid (PFOS)	8.0	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2
Perfluorononanoic acid (PFNA)	4.8	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:14	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	91.0		50-200		6/20/23 11:14
M2-8:2FTS	434	*	50-200	PF-17	6/20/23 11:14
MPFBA	94.9		50-200		6/20/23 11:14
M3HFPO-DA	70.5		50-200		6/20/23 11:14
M6PFDA	66.6		50-200		6/20/23 11:14
M3PFBS	109		50-200		6/20/23 11:14
M7PFUnA	68.9		50-200		6/20/23 11:14
M2-6:2FTS	151		50-200		6/20/23 11:14
M5PFPeA	98.5		50-200		6/20/23 11:14
M5PFHxA	75.8		50-200		6/20/23 11:14
M3PFHxS	105		50-200		6/20/23 11:14
M4PFHpA	76.1		50-200		6/20/23 11:14
M8PFOA	75.2		50-200		6/20/23 11:14
M8PFOS	90.4		50-200		6/20/23 11:14
M9PFNA	71.9		50-200		6/20/23 11:14
MPFDoA	71.0		50-200		6/20/23 11:14

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS 6/13 Sample Description: Work Order: 23F1923

Date Received: 6/15/2023

Field Sample #: GAC-02414 28(TREATED) Sampled: 6/13/2023 11:06

Sample ID: 23F1923-02

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.2	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluorobutanesulfonic acid (PFBS)	3.6	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluoropentanoic acid (PFPeA)	11	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluorohexanoic acid (PFHxA)	6.8	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluoroheptanoic acid (PFHpA)	2.6	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluorooctanoic acid (PFOA)	4.0	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:21	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	80.3		50-200		6/20/23 11:21
M2-8:2FTS	**411**	*	50-200	PF-17	6/20/23 11:21
MPFBA	64.3		50-200		6/20/23 11:21
M3HFPO-DA	60.1		50-200		6/20/23 11:21
M6PFDA	51.4		50-200		6/20/23 11:21
M3PFBS	111		50-200		6/20/23 11:21
M7PFUnA	**49.8**	*	50-200	PF-18	6/20/23 11:21
M2-6:2FTS	123		50-200		6/20/23 11:21
M5PFPeA	65.2		50-200		6/20/23 11:21
M5PFHxA	57.3		50-200		6/20/23 11:21
M3PFHxS	108		50-200		6/20/23 11:21
M4PFHpA	58.1		50-200		6/20/23 11:21
M8PFOA	57.1		50-200		6/20/23 11:21
M8PFOS	93.7		50-200		6/20/23 11:21
M9PFNA	53.8		50-200		6/20/23 11:21
MPFDoA	51.2		50-200		6/20/23 11:21

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70259944001
Client Sample ID.: N-04298

Federal ID : 2902830
Collected : 06/15/2023 12:12 PM Point N-04298
Received : 06/15/2023 03:45 PM Location Well #35A
Collected By PACE Fl Pk

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 06/19/2023 11:12

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.73		1	ug/L	1	06/20/2023 6:41 AM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	117%		1	%REC		06/20/2023 6:41 AM	001 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 07/05/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Treated Well
Routine

Treatment
AOP

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70259944008
Client Sample ID.: AOP-35/35A

Federal ID : 2902830
Collected : 06/15/2023 12:26 PM Point AOP-35/35A
Received : 06/15/2023 03:45 PM Location Well 35,35A
Collected By PACE

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 06/19/2023 11:12

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.034		1	ug/L	1	06/20/2023 9:01 AM	008 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	114%		1	%REC		06/20/2023 9:01 AM	008 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 07/05/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Treated Well
Routine

Treatment
AST/AOP

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70259944002
Client Sample ID.: AOP/AS35/35A

Federal ID : 2902830
Collected : 06/15/2023 11:59 AM Point AOP/AS35/35A
Received : 06/15/2023 03:45 PM Location Well 35,35A
Collected By PACE

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 06/19/2023 11:12

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.022		1	ug/L	1	06/20/2023 6:59 AM	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	116%		1	%REC		06/20/2023 6:59 AM	002 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 07/05/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS/1,4 DIOXANE 6/15 Sample Description: Work Order: 23F2598

Date Received: 6/20/2023

Field Sample #: N-04298 35A (RAW) Sampled: 6/15/2023 12:12

Sample ID: 23F2598-01

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.2	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluorobutanesulfonic acid (PFBS)	4.2	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluoropentanoic acid (PFPeA)	8.9	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluorohexanoic acid (PFHxA)	8.2	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluorohexanesulfonic acid (PFHxS)	7.0	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluoroheptanoic acid (PFHpA)	5.9	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluorooctanoic acid (PFOA)	16	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluorooctanesulfonic acid (PFOS)	8.9	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2
Perfluorononanoic acid (PFNA)	7.3	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:10	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	103		50-200		6/26/23 18:10
M2-8:2FTS	**306**	*	50-200	PF-17	6/26/23 18:10
MPFBA	78.5		50-200		6/26/23 18:10
M3HFPO-DA	71.6		50-200		6/26/23 18:10
M6PFDA	83.3		50-200		6/26/23 18:10
M3PFBS	91.1		50-200		6/26/23 18:10
M7PFUnA	82.2		50-200		6/26/23 18:10
M2-6:2FTS	111		50-200		6/26/23 18:10
M5PFPeA	79.7		50-200		6/26/23 18:10
M5PFHxA	77.7		50-200		6/26/23 18:10
M3PFHxS	84.9		50-200		6/26/23 18:10
M4PFHpA	77.7		50-200		6/26/23 18:10
M8PFOA	78.0		50-200		6/26/23 18:10
M8PFOS	91.8		50-200		6/26/23 18:10
M9PFNA	77.6		50-200		6/26/23 18:10
MPFDoA	79.0		50-200		6/26/23 18:10

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS/1,4 DIOXANE 6/15 Sample Description: Work Order: 23F2598

Date Received: 6/20/2023

Field Sample #: AOP/AS35/35A 35A (TREATED) Sampled: 6/15/2023 11:59

Sample ID: 23F2598-02

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.9	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/28/23	6/29/23 11:50	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	78.1		50-200		6/29/23 11:50
M2-8:2FTS	184		50-200		6/29/23 11:50
MPFBA	70.3		50-200		6/29/23 11:50
M3HFPO-DA	96.0		50-200		6/29/23 11:50
M6PFDA	35.5	*	50-200	PF-18	6/29/23 11:50
M3PFBS	94.3		50-200		6/29/23 11:50
M7PFUnA	43.5	*	50-200	PF-18	6/29/23 11:50
M2-6:2FTS	105		50-200		6/29/23 11:50
M5PFPeA	66.0		50-200		6/29/23 11:50
M5PFHxA	64.4		50-200		6/29/23 11:50
M3PFHxS	90.0		50-200		6/29/23 11:50
M4PFHpA	55.9		50-200		6/29/23 11:50
M8PFOA	37.5	*	50-200	PF-18	6/29/23 11:50
M8PFOS	91.3		50-200		6/29/23 11:50
M9PFNA	28.5	*	50-200	PF-18	6/29/23 11:50
MPFDoA	49.4	*	50-200	S-29	6/29/23 11:50

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70259944003
Client Sample ID.: N-04390

Federal ID : 2902830
Collected : 06/15/2023 10:16 AM Point N-04390
Received : 06/15/2023 03:45 PM Location Well #40
Collected By PACE No NHP

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 06/19/2023 11:12

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.68		1	ug/L	1	06/20/2023 7:16 AM	003 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	121%		1	%REC		06/20/2023 7:16 AM	003 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 07/05/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Pace
575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70259944004
Client Sample ID.: N-07445

Federal ID : 2902830
Collected : 06/15/2023 10:18 AM Point N-07445
Received : 06/15/2023 03:45 PM Location Well #40A
Collected By PACE No NHP

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 06/19/2023 11:12

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	1.3*		1	ug/L	1	06/20/2023 7:34 AM	004 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	118%		1	%REC		06/20/2023 7:34 AM	004 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 07/05/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Treated Well
Routine

Treatment
Air Stripper

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70259944005
Client Sample ID.: AS-07445

Federal ID : 2902830
Collected : 06/15/2023 10:10 AM Point AS-07445
Received : 06/15/2023 03:45 PM Location Well 40,40A
Collected By PACE

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 06/19/2023 11:12

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.80		1	ug/L	1	06/20/2023 7:51 AM	005 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	117%		1	%REC		06/20/2023 7:51 AM	005 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 07/05/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS/1,4 DIOXANE 6/15 | Sample Description: | Work Order: 23F2598

Date Received: 6/20/2023

Field Sample #: N-04390 40 (RAW) | Sampled: 6/15/2023 10:16

Sample ID: 23F2598-03

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.2	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluorobutanesulfonic acid (PFBS)	2.3	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluoropentanoic acid (PFPeA)	7.9	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluorohexanoic acid (PFHxA)	7.7	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluorohexanesulfonic acid (PFHxS)	7.1	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	6.6	1.8		ng/L	1	L-07	EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluoroheptanoic acid (PFHpA)	6.2	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluorooctanoic acid (PFOA)	18	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluorooctanesulfonic acid (PFOS)	7.6	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2
Perfluorononanoic acid (PFNA)	2.4	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:25	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	84.2		50-200		6/26/23 18:25
M2-8:2FTS	241	*	50-200	PF-17	6/26/23 18:25
MPFBA	74.6		50-200		6/26/23 18:25
M3HFPO-DA	72.7		50-200		6/26/23 18:25
M6PFDA	74.9		50-200		6/26/23 18:25
M3PFBS	81.1		50-200		6/26/23 18:25
M7PFUnA	77.4		50-200		6/26/23 18:25
M2-6:2FTS	104		50-200		6/26/23 18:25
M5PFPeA	76.5		50-200		6/26/23 18:25
M5PFHxA	74.7		50-200		6/26/23 18:25
M3PFHxS	79.4		50-200		6/26/23 18:25
M4PFHpA	74.7		50-200		6/26/23 18:25
M8PFOA	73.2		50-200		6/26/23 18:25
M8PFOS	82.8		50-200		6/26/23 18:25
M9PFNA	73.6		50-200		6/26/23 18:25
MPFDoA	71.3		50-200		6/26/23 18:25

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS/1,4 DIOXANE 6/15 Sample Description: Work Order: 23F2598

Date Received: 6/20/2023

Field Sample #: N-074454OA (RAW) Sampled: 6/15/2023 10:18

Sample ID: 23F2598-04

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.1	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluoropentanoic acid (PFPeA)	4.3	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluorohexanoic acid (PFHxA)	5.0	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluorohexanesulfonic acid (PFHxS)	3.3	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	11	2.0		ng/L	1	L-07	EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluoroheptanoic acid (PFHpA)	3.9	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluorooctanoic acid (PFOA)	18	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluorooctanesulfonic acid (PFOS)	9.0	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2
Perfluorononanoic acid (PFNA)	4.3	2.0		ng/L	1		EPA 533	6/23/23	6/26/23 18:32	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	94.2		50-200		6/26/23 18:32
M2-8:2FTS	249	*	50-200	PF-17	6/26/23 18:32
MPFBA	83.0		50-200		6/26/23 18:32
M3HFPO-DA	75.4		50-200		6/26/23 18:32
M6PFDA	83.2		50-200		6/26/23 18:32
M3PFBS	84.2		50-200		6/26/23 18:32
M7PFUnA	81.1		50-200		6/26/23 18:32
M2-6:2FTS	105		50-200		6/26/23 18:32
M5PFPeA	81.6		50-200		6/26/23 18:32
M5PFHxA	78.0		50-200		6/26/23 18:32
M3PFHxS	82.1		50-200		6/26/23 18:32
M4PFHpA	76.7		50-200		6/26/23 18:32
M8PFOA	76.4		50-200		6/26/23 18:32
M8PFOS	87.4		50-200		6/26/23 18:32
M9PFNA	79.0		50-200		6/26/23 18:32
MPFDoA	79.8		50-200		6/26/23 18:32

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS/1,4 DIOXANE 6/15 Sample Description: Work Order: 23F2598

Date Received: 6/20/2023

Field Sample #: AS-07445 40/40A (TREATED) Sampled: 6/15/2023 10:10

Sample ID: 23F2598-05

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.1	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluorobutanesulfonic acid (PFBS)	2.0	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluoropentanoic acid (PFPeA)	6.8	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluorohexanoic acid (PFHxA)	7.0	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluorohexanesulfonic acid (PFHxS)	6.1	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.9	1.9		ng/L	1	L-07	EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluoroheptanoic acid (PFHpA)	5.3	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluorooctanoic acid (PFOA)	18	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluorooctanesulfonic acid (PFOS)	8.2	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2
Perfluorononanoic acid (PFNA)	2.8	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:39	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	89.4	50-200		6/26/23 18:39
M2-8:2FTS	206 *	50-200	PF-17	6/26/23 18:39
MPFBA	78.8	50-200		6/26/23 18:39
M3HFPO-DA	74.8	50-200		6/26/23 18:39
M6PFDA	79.7	50-200		6/26/23 18:39
M3PFBS	80.9	50-200		6/26/23 18:39
M7PFUnA	78.7	50-200		6/26/23 18:39
M2-6:2FTS	105	50-200		6/26/23 18:39
M5PFPeA	78.3	50-200		6/26/23 18:39
M5PFHxA	74.8	50-200		6/26/23 18:39
M3PFHxS	79.1	50-200		6/26/23 18:39
M4PFHpA	75.4	50-200		6/26/23 18:39
M8PFOA	75.1	50-200		6/26/23 18:39
M8PFOS	79.3	50-200		6/26/23 18:39
M9PFNA	77.1	50-200		6/26/23 18:39
MPFDoA	73.5	50-200		6/26/23 18:39

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70251569008
Client Sample ID.: N-05155

Federal ID : 2902830
Collected : 04/04/2023 12:42 PM Point N-05155
Received : 04/04/2023 03:00 PM Location Well #44
Collected By PACE Elmont

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 04/05/2023 12:20

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.058		1	ug/L	1	04/07/2023 11:37	008 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	115%		1	%REC		04/07/2023 11:37	008 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 04/14/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70251569009
Client Sample ID.: N-05156

Federal ID : 2902830
Collected : 04/04/2023 12:46 PM Point N-05156
Received : 04/04/2023 03:00 PM Location Well #44A
Collected By PACE Elmont

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 04/05/2023 12:20

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.15		1	ug/L	1	04/07/2023 11:54	009 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	101%		1	%REC		04/07/2023 11:54	009 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 04/14/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70251569011
Client Sample ID.: N-06744

Federal ID : 2902830
Collected : 04/04/2023 01:12 PM Point N-06744
Received : 04/04/2023 03:00 PM Location Well #44B
Collected By PACE Elmont

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 04/05/2023 12:20

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.057		1	ug/L	1	04/08/2023 12:10	011 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	106%		1	%REC		04/08/2023 12:10	011 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 04/14/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70251569012
Client Sample ID.: N-06745

Federal ID : 2902830
Collected : 04/04/2023 01:06 PM Point N-06745
Received : 04/04/2023 03:00 PM Location Well #44C
Collected By PACE Elmont

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 04/05/2023 12:20

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.057		1	ug/L	1	04/08/2023 12:26	012 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	98%		1	%REC		04/08/2023 12:26	012 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 04/14/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS 6/13
Sample Description:
Work Order: 23F1923

Date Received: 6/15/2023
Field Sample #: N-05155 44(RAW)
Sampled: 6/13/2023 13:18
Sample ID: 23F1923-03
Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.9	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluorobutanesulfonic acid (PFBS)	7.5	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluoropentanoic acid (PFPeA)	11	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluorohexanoic acid (PFHxA)	9.3	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluorohexanesulfonic acid (PFHxS)	5.8	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluoroheptanoic acid (PFHpA)	6.6	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluorooctanoic acid (PFOA)	21	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluorooctanesulfonic acid (PFOS)	13	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2
Perfluorononanoic acid (PFNA)	1.8	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:28	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	87.5		50-200		6/20/23 11:28
M2-8:2FTS	406	*	50-200	PF-17	6/20/23 11:28
MPFBA	94.6		50-200		6/20/23 11:28
M3HFPO-DA	80.7		50-200		6/20/23 11:28
M6PFDA	77.6		50-200		6/20/23 11:28
M3PFBS	114		50-200		6/20/23 11:28
M7PFUnA	72.9		50-200		6/20/23 11:28
M2-6:2FTS	138		50-200		6/20/23 11:28
M5PFPeA	92.1		50-200		6/20/23 11:28
M5PFHxA	77.4		50-200		6/20/23 11:28
M3PFHxS	105		50-200		6/20/23 11:28
M4PFHpA	79.6		50-200		6/20/23 11:28
M8PFOA	79.7		50-200		6/20/23 11:28
M8PFOS	98.3		50-200		6/20/23 11:28
M9PFNA	79.4		50-200		6/20/23 11:28
MPFDoA	74.9		50-200		6/20/23 11:28

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS 6/13 | Sample Description: | Work Order: 23F1923

Date Received: 6/15/2023

Field Sample #: N-05156 44A (RAW) | Sampled: 6/13/2023 13:12

Sample ID: 23F1923-04

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.4	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluorobutanesulfonic acid (PFBS)	5.1	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluoropentanoic acid (PFPeA)	13	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluorohexanoic acid (PFHxA)	11	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluoroheptanoic acid (PFHpA)	5.0	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluorooctanoic acid (PFOA)	8.5	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:35	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	81.5		50-200		6/20/23 11:35
M2-8:2FTS	**450**	*	50-200	PF-17	6/20/23 11:35
MPFBA	74.4		50-200		6/20/23 11:35
M3HFPO-DA	65.8		50-200		6/20/23 11:35
M6PFDA	67.8		50-200		6/20/23 11:35
M3PFBS	118		50-200		6/20/23 11:35
M7PFUnA	67.9		50-200		6/20/23 11:35
M2-6:2FTS	126		50-200		6/20/23 11:35
M5PFPeA	71.8		50-200		6/20/23 11:35
M5PFHxA	65.1		50-200		6/20/23 11:35
M3PFHxS	111		50-200		6/20/23 11:35
M4PFHpA	65.8		50-200		6/20/23 11:35
M8PFOA	65.0		50-200		6/20/23 11:35
M8PFOS	94.6		50-200		6/20/23 11:35
M9PFNA	66.2		50-200		6/20/23 11:35
MPFDoA	70.7		50-200		6/20/23 11:35

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS 6/13 Sample Description: Work Order: 23F1923

Date Received: 6/15/2023

Field Sample #: AS/GAC-44/44A 44/44A (TREATED) Sampled: 6/13/2023 13:02

Sample ID: 23F1923-05

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.3	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluorobutanesulfonic acid (PFBS)	5.0	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluoropentanoic acid (PFPeA)	13	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluorohexanoic acid (PFHxA)	11	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluoroheptanoic acid (PFHpA)	4.9	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluorooctanoic acid (PFOA)	8.3	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 11:43	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	76.1	50-200		6/20/23 11:43
M2-8:2FTS	396 *	50-200	PF-17	6/20/23 11:43
MPFBA	73.2	50-200		6/20/23 11:43
M3HFPO-DA	63.7	50-200		6/20/23 11:43
M6PFDA	62.6	50-200		6/20/23 11:43
M3PFBS	113	50-200		6/20/23 11:43
M7PFUnA	63.9	50-200		6/20/23 11:43
M2-6:2FTS	110	50-200		6/20/23 11:43
M5PFPeA	69.8	50-200		6/20/23 11:43
M5PFHxA	62.2	50-200		6/20/23 11:43
M3PFHxS	105	50-200		6/20/23 11:43
M4PFHpA	62.8	50-200		6/20/23 11:43
M8PFOA	66.2	50-200		6/20/23 11:43
M8PFOS	96.2	50-200		6/20/23 11:43
M9PFNA	66.5	50-200		6/20/23 11:43
MPFDoA	67.3	50-200		6/20/23 11:43

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS 6/13 Sample Description: Work Order: 23F1923

Date Received: 6/15/2023

Field Sample #: N-06744 44B (RAW) Sampled: 6/13/2023 13:54

Sample ID: 23F1923-06

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.4	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluorobutanesulfonic acid (PFBS)	8.9	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluoropentanoic acid (PFPeA)	17	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluorohexanoic acid (PFHxA)	15	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluorodecanoic acid (PFDA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluorohexanesulfonic acid (PFHxS)	7.3	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluoroheptanoic acid (PFHpA)	9.9	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluorooctanoic acid (PFOA)	28	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluorooctanesulfonic acid (PFOS)	15	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2
Perfluorononanoic acid (PFNA)	1.8	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:50	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	91.6		50-200		6/20/23 11:50
M2-8:2FTS	398	*	50-200	PF-17	6/20/23 11:50
MPFBA	99.2		50-200		6/20/23 11:50
M3HFPO-DA	81.9		50-200		6/20/23 11:50
M6PFDA	81.6		50-200		6/20/23 11:50
M3PFBS	125		50-200		6/20/23 11:50
M7PFUnA	75.4		50-200		6/20/23 11:50
M2-6:2FTS	141		50-200		6/20/23 11:50
M5PFPeA	94.5		50-200		6/20/23 11:50
M5PFHxA	81.5		50-200		6/20/23 11:50
M3PFHxS	120		50-200		6/20/23 11:50
M4PFHpA	80.1		50-200		6/20/23 11:50
M8PFOA	81.6		50-200		6/20/23 11:50
M8PFOS	106		50-200		6/20/23 11:50
M9PFNA	76.9		50-200		6/20/23 11:50
MPFDoA	77.6		50-200		6/20/23 11:50

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS 6/13
Sample Description:
Work Order: 23F1923

Date Received: 6/15/2023
Field Sample #: N-067454 44C (Raw)
Sampled: 6/13/2023 13:44
Sample ID: 23F1923-07
Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.1	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluoropentanoic acid (PFPeA)	5.7	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluorohexanoic acid (PFHxA)	4.5	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluorodecanoic acid (PFDA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluorohexanesulfonic acid (PFHxS)	4.3	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluoroheptanoic acid (PFHpA)	2.9	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluorooctanoic acid (PFOA)	5.8	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluorooctanesulfonic acid (PFOS)	8.0	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2
Perfluorononanoic acid (PFNA)	2.7	1.7		ng/L	1		EPA 533	6/19/23	6/20/23 11:57	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	75.1		50-200		6/20/23 11:57
M2-8:2FTS	**293**	*	50-200	PF-17	6/20/23 11:57
MPFBA	85.2		50-200		6/20/23 11:57
M3HFPO-DA	76.2		50-200		6/20/23 11:57
M6PFDA	81.3		50-200		6/20/23 11:57
M3PFBS	112		50-200		6/20/23 11:57
M7PFUnA	80.0		50-200		6/20/23 11:57
M2-6:2FTS	117		50-200		6/20/23 11:57
M5PFPeA	80.4		50-200		6/20/23 11:57
M5PFHxA	72.3		50-200		6/20/23 11:57
M3PFHxS	99.3		50-200		6/20/23 11:57
M4PFHpA	73.2		50-200		6/20/23 11:57
M8PFOA	78.0		50-200		6/20/23 11:57
M8PFOS	91.7		50-200		6/20/23 11:57
M9PFNA	82.1		50-200		6/20/23 11:57
MPFDoA	82.7		50-200		6/20/23 11:57

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS 6/13 Sample Description: Work Order: 23F1923

Date Received: 6/15/2023 44B/44C (TREATED)

Field Sample #: AS/GAC-44B/44C Sampled: 6/13/2023 13:28

Sample ID: 23F1923-08

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.9	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluorobutanesulfonic acid (PFBS)	5.0	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluoropentanoic acid (PFPeA)	12	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluorohexanoic acid (PFHxA)	11	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluoroheptanoic acid (PFHpA)	5.2	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluorooctanoic acid (PFOA)	9.6	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/19/23	6/20/23 12:04	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	68.2		50-200		6/20/23 12:04
M2-8:2FTS	303	*	50-200	PF-17	6/20/23 12:04
MPFBA	63.7		50-200		6/20/23 12:04
M3HFPO-DA	60.3		50-200		6/20/23 12:04
M6PFDA	51.2		50-200		6/20/23 12:04
M3PFBS	102		50-200		6/20/23 12:04
M7PFUnA	55.8		50-200		6/20/23 12:04
M2-6:2FTS	105		50-200		6/20/23 12:04
M5PFPeA	60.6		50-200		6/20/23 12:04
M5PFHxA	52.9		50-200		6/20/23 12:04
M3PFHxS	88.3		50-200		6/20/23 12:04
M4PFHpA	51.4		50-200		6/20/23 12:04
M8PFOA	50.3		50-200		6/20/23 12:04
M8PFOS	91.8		50-200		6/20/23 12:04
M9PFNA	50.5		50-200		6/20/23 12:04
MPFDoA	63.1		50-200		6/20/23 12:04

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Raw Well
Special

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70260642001
Client Sample ID.: N-07649

Federal ID : 2902830
Collected : 06/22/2023 10:00 AM Point N-07649
Received : 06/22/2023 11:07 AM Location Well #57
Collected By CLIENT

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 06/23/2023 10:23

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	4.9*		5	ug/L	1	06/26/2023 1:13 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	94%		5	%REC		06/26/2023 1:13 PM	001 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 06/26/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:

Type: Drinking Water
Origin: Treated Well
Special

Treatment

AOP

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70260642002
Client Sample ID.: AOP- EFF

Federal ID : 2902830
Collected : 06/22/2023 10:05 AM Point AOP- EFF
Received : 06/22/2023 11:07 AM Location Well #57 AOP
Collected By CLIENT

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 06/23/2023 10:23

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	<0.020		1	ug/L	1	06/24/2023 5:30 AM	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	91%		1	%REC		06/24/2023 5:30 AM	002 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 06/26/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Treated Well
Special

Treatment
Air Stripper

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70260642003
Client Sample ID.: AST- EFF

Federal ID : 2902830
Collected : 06/22/2023 10:10 AM Point AST- EFF
Received : 06/22/2023 11:07 AM Location Well #57 AST
Collected By CLIENT

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 06/23/2023 10:23

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	<0.020		1	ug/L	1	06/24/2023 5:46 AM	003 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	86%		1	%REC		06/24/2023 5:46 AM	003 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 06/26/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS/1,4 DIOXANE 6/15 | Sample Description: | Work Order: 23F2598

Date Received: 6/20/2023

Field Sample #: N-07649 57(RAW) | Sampled: 6/15/2023 11:20

Sample ID: 23F2598-06

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.0	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluorobutanesulfonic acid (PFBS)	2.1	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluoropentanoic acid (PFPeA)	7.1	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluorohexanoic acid (PFHxA)	18	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluoroheptanesulfonic acid (PFHpS)	2.5	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluorohexanesulfonic acid (PFHxS)	11	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	2.0	1.8		ng/L	1	L-07	EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluoropentanesulfonic acid (PFPeS)	2.3	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluoroheptanoic acid (PFHpA)	12	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluorooctanoic acid (PFOA)	100	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluorooctanesulfonic acid (PFOS)	33	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2
Perfluorononanoic acid (PFNA)	31	1.8		ng/L	1		EPA 533	6/23/23	6/26/23 18:46	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	127		50-200		6/26/23 18:46
M2-8:2FTS	204	*	50-200	PF-17	6/26/23 18:46
MPFBA	80.2		50-200		6/26/23 18:46
M3HFPO-DA	69.7		50-200		6/26/23 18:46
M6PFDA	69.6		50-200		6/26/23 18:46
M3PFBS	81.3		50-200		6/26/23 18:46
M7PFUnA	77.4		50-200		6/26/23 18:46
M2-6:2FTS	177		50-200		6/26/23 18:46
M5PFPeA	91.9		50-200		6/26/23 18:46
M5PFHxA	74.1		50-200		6/26/23 18:46
M3PFHxS	80.4		50-200		6/26/23 18:46
M4PFHpA	73.8		50-200		6/26/23 18:46
M8PFOA	74.3		50-200		6/26/23 18:46
M8PFOS	84.7		50-200		6/26/23 18:46
M9PFNA	71.4		50-200		6/26/23 18:46
MPFDoA	75.5		50-200		6/26/23 18:46

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: PFAS/1,4 DIOXANE 6/15 Sample Description: Work Order: 23F2598

Date Received: 6/20/2023

Field Sample #: AOP/AS57/57A 57 (TREATED) Sampled: 6/15/2023 11:04

Sample ID: 23F2598-07

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/23/23	6/26/23 18:54	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	74.4		50-200		6/26/23 18:54
M2-8:2FTS	**271**	*	50-200	PF-17	6/26/23 18:54
MPFBA	67.5		50-200		6/26/23 18:54
M3HFPO-DA	64.9		50-200		6/26/23 18:54
M6PFDA	80.8		50-200		6/26/23 18:54
M3PFBS	81.2		50-200		6/26/23 18:54
M7PFUnA	84.6		50-200		6/26/23 18:54
M2-6:2FTS	87.9		50-200		6/26/23 18:54
M5PFPeA	62.3		50-200		6/26/23 18:54
M5PFHxA	65.5		50-200		6/26/23 18:54
M3PFHxS	78.8		50-200		6/26/23 18:54
M4PFHpA	66.5		50-200		6/26/23 18:54
M8PFOA	66.7		50-200		6/26/23 18:54
M8PFOS	83.9		50-200		6/26/23 18:54
M9PFNA	71.4		50-200		6/26/23 18:54
MPFDoA	83.1		50-200		6/26/23 18:54

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Raw Well
Special

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70248133001
Client Sample ID.: RAW WELL 57A

Federal ID : 2902830
Collected : 03/03/2023 09:00 AM Point RAW WELL 57A
Received : 03/03/2023 09:57 AM Location
Collected By H2M

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 03/03/2023 3:25 PM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	**24.4***		10	ug/L	1	03/07/2023 11:31	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	113%		10	%REC		03/07/2023 11:31	001 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 03/07/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Effluent
Special

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70248133002
Client Sample ID.: AOP 57A EFF

Federal ID : 2902830
Collected : 03/03/2023 09:00 AM Point AOP 57A EFF
Received : 03/03/2023 09:57 AM Location
Collected By H2M

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 03/03/2023 3:25 PM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.034		1	ug/L	1	03/06/2023 8:21 PM	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	111%		1	%REC		03/06/2023 8:21 PM	002 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 03/07/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory Results

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Effluent
Special

Water Auth. of Western Nassau
1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70248133003
Client Sample ID.: GAC 57A EFF

Federal ID : 2902830
Collected : 03/03/2023 09:00 AM Point GAC 57A EFF
Received : 03/03/2023 09:57 AM Location
Collected By H2M

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 03/03/2023 3:25 PM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.029		1	ug/L	1	03/06/2023 8:56 PM	003 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	113%		1	%REC		03/06/2023 8:56 PM	003 AG2R1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 03/07/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Deferral Issued for PFOA, PFOS and 1,4-Dioxane at the Water Authority of Western Nassau County

Why are you receiving this notice/information?

You are receiving this notice because testing of our public water system found the chemicals perfluorooctanoic acid (PFOA), perfluorooctanesulfonic acid (PFOS) and 1,4-Dioxane in your drinking water. This is above New York State's maximum contaminant level (MCL) of 10 parts per trillion (ppt) for PFOA, 10 ppt for PFOS and 1 part per billion(ppb) for 1,4-Dioxane in public drinking water systems.The level of PFOA, PFOS or 1,4-dioxane detected in your water does not pose a significant short term health risk. Your water continues to be acceptable for all uses while the public water system works to reduce the levels of these chemicals.

The Water Authority of Western Nassau County has submitted, and the New York State Department of Health (Department) has issued, a deferral to the Water Authority of Western Nassau County. When a public water system is issued a deferral, the water system agrees to a schedule for corrective action and compliance with the new MCLs. In exchange, the Department agrees to defer enforcement actions, such as assessing fines,if the water district is meeting the established deadlines. We are required to update the Department and the Nassau County Department of Health each calendar quarter on the status of our projects. If we do not meet the agreed upon deadlines, the Department can resume enforcement.

What are the health effects of PFOA/PFOS?

The available information on the health effects associated with PFOA and PFOS, like many chemicals, comes from studies of high-level exposure in animals or humans. Less is known about the chances of health effects occurring from lower levels of exposure, such as those that might occur in drinking water. As a result, finding lower levels of chemicals in drinking water prompts water suppliers and regulators to take precautions that include notifying consumers and steps to reduce exposure.

PFOA and PFOS has caused a wide range of health effects when studied in animals that were exposed to high levels. The most consistent findings in animals were effects on the liver and immune system and impaired fetal growth and development. PFOA and PFOS also causes cancer in laboratory animals exposed to high levels over their lifetimes. Additional studies of exposures of PFOA and PFOS in people provide evidence that some of the health effects seen in animals may also occur in humans.

What are the health effects of 1,4-dioxane?

Laboratory studies show that 1,4-dioxane caused liver cancer in animals exposed at high levels throughout their lifetime. Other types of cancer have also been reported, although less consistently than liver cancer. There is no evidence of 1,4-dioxane cancer effects in humans. The United States Environmental Protection Agency considers 1,4-dioxane a likely human carcinogen based upon studies of animals exposed to high levels of this chemical over their entire lifetimes.

What is New York State doing about PFOA, PFOS and 1,4-Dioxane in public drinking water?

The New York State Department of Health (NYSDOH) has adopted a drinking water regulation that requires all public water systems to test for PFOA, PFOS and 1,4-dioxane. If found above the MCLs, the water supplier must take steps to lower the level to meet the standard. Exceedances of the MCL signal that steps should be taken by the water system to reduce contaminant levels.

What is being done to remove these contaminants?

The Water Authority has implemented an action plan and has already installed four (4) PFOA/PFOS Removal treatment systems and three (3) 1,4 Dioxane and PFOA/PFOS Removal treatment systems. Five (5) of these treatment removal systems were installed under "emergency contracts" and are all operational and two (2) were installed under "normal" procurement procedures (of which, one (1) is operational and the other is still undergoing performance testing to ensure that the water quality meets or exceeds all NYS water quality standards). Had these last two (2) treatment systems been placed into operation earlier, the Water Authority would not have needed to renew this deferral. Once this system receives "approval to operate", the Water Authority will be able to address the remaining facilities that require 1,4 Dioxane and PFOA/PFOS removal systems.

The Water Authority continues to make every effort to operationally minimize the concentration of 1,4-dioxane, PFOA and PFOS in the distribution system at any given time. Additional information will be shared as further testing and progress occurs. This process is similar for any chemical detected in public drinking water that requires mitigation. The compliance timetable will ensure that your drinking water will meet the MCL as rapidly as possible. The deferral renewal is effective until August 25, 2023.

Where can I get more information?

For more information, please contact Michael J. Tierney at (516) 327-4100 or by mail at 1580 Union Turnpike, New Hyde Park, NY 11040]. You can also contact the Nassau County Department of Health at (516) 227-9692.

If you have additional questions about these contaminants and your health, talk to your health care provider who is most familiar with your health history and can provide advice and assistance about understanding how drinking water may affect your personal health.

General information about New York State public drinking water is also available at www.health.ny.gov/publicwater.

Public Water System ID# NY2902830
Date: July 5, 2023