Water Authority
of Western Nassau County

January 6, 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 fourth quarter 2022 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
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: January 4, 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 Dec. 15, 2022)	1,4 – dioxane (.400 part per billion) PFOS (9.0 parts per trillion) PFOA (10.4 parts per trillion)
Most Recent Treated Water Test Results: (Samples Collected on Dec. 15, 2022)	PFOS (<1.9 parts per trillion) PFOA (<1.9 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.

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 June 2023

Project Start Date May 2024

Estimated Completion Date December 2026

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

Update: January 4, 2023	
Status:	May 20, 2022 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 on Dec. 13, 2022) (Quarterly 1, 4 – dioxane collected Oct. 4, 2022	1,4 – dioxane (.020 parts per billion) PFOS (5.5 parts per trillion) PFOA (15.9 parts per trillion)
Most Recent Treated Water Test Results: (Samples collected on Dec. 13, 2022)	PFOS (<1.8 parts per trillion) PFOA (<1.8 parts per trillion)

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

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: January 4, 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 Dec. 15, 2022)	1,4 – dioxane (.700 parts per billion) PFOS (5.4 parts per trillion) PFOA (8.1 parts per trillion)
Most Recent Treated Water Test Results: (Samples collected Dec. 15, 2022)	1,4 – dioxane (<.020 parts per billion) PFOS (<1.9 parts per trillion) PFOA (<1.9 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.

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.

January 4, 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 40	1,4 – dioxane (.570 parts per billion)
(Samples collected Dec. 15, 2022)	PFOS (4.1 parts per trillion)
	PFOA (8.8 parts per trillion)
	1,4 – dioxane (1.20 parts per billion)
Well 40A	PFOS (5.2 parts per trillion)
(Samples collected Dec. 15, 2022)	PFOA (8.6 parts per trillion)
Blended 40 / 40A	1,4 dioxane (.730 parts per billion
	PFOS (4.4 parts per trillion)
	PFOA (8.8 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 has acquired both residential properties adjacent to Station 40 which are now vacant. A site survey for the entire footprint including these 2 new properties is complete along with inspection of hazardous materials and soil borings. Phase 1 of this project will include demolition of these 2 newly acquired properties. The bid award for demolition of these 2 properties has been made and all permits have been applied for to the Town of North Hempstead. Preliminary site preparation has taken place. Bid Design for installation of new GAC and AOP systems is well underway 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.

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

Update: January 4, 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 December 13, 2022)	1,4 – dioxane (.031 parts per billion)
	PFOS (9.7 parts per trillion)
Quarterly 1, 4 – dioxane samples collected Oct. 4, 2022	PFOA (14.3 parts per trillion)
Well 44A	
(PFOS/PFOA Samples collected Dec. 13, 2022)	1,4 – dioxane (0.130 parts per billion)
	PFOS (13.4 parts per trillion)
Quarterly 1, 4 – dioxane samples collected Oct. 4, 2022	PFOA (6.1 parts per trillion)
Well 44B	
(PFOS/PFOA Samples collected Dec. 13, 2022)	1,4 – dioxane (0.032 parts per billion)
	PFOS (11.3 parts per trillion)
Quarterly 1, 4 – dioxane samples collected Oct. 4, 2022	PFOA (21.2 parts per trillion)
Well 44C	
(PFOS/PFOA Samples collected Dec. 13, 2022)	1,4 – dioxane (0.180 parts per billion)
	PFOS (8.8 parts per trillion)
Quarterly 1, 4 – dioxane samples collected Oct. 4, 2022	PFOA (16.5 parts per trillion)
Most Recent Treated Water Test Results:	
Well 44 / 44A	
(Samples collected Dec. 13, 2022)	PFOS (<1.8 parts per trillion)

	PFOA (<1.8 parts per trillion)
Well 44B / 44C (Samples collected Dec. 13, 2022)	PFOS (<1.8 parts per trillion) PFOA (<1.8 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

Actual Regulatory Approval Dates	Full Engineering Report March 2020 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:

Design and Specifications for Public Bidding is 100% complete and under review by Water Authority staff. Corrections have been incorporated and second review is underway.

June 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: January 4, 2023	
Status:	**Remains Out of Service** since October 15, 2020
	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 (6.2 parts per billion)
Well 57 (Samples collected June 7, 2022)	PFOS (44.8 parts per trillion)
	PFOA (92.0 parts per trillion)
	1,4 – dioxane (25.1 parts per billion)
Well 57A (Samples collected June 10, 2022)	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:	
	1,4 – dioxane (.028 parts per billion)
Well 57 (Samples collected June 7, 2022)	PFOS (< 1.9 parts per trillion)
	PFOA (<1.9 parts per trillion)
	1,4 – dioxane (25.1 parts per billion)
Well 57A (Samples collected June 10, 2022)	PFOS (11.6 parts per trillion)
	PFOA (95.3 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

All water treatment assets are installed and operating. First sets of laboratory tests indicated higher levels of by product aldehydes following the treatment process. These aldehyde levels do not exceed NYS regulatory levels however the increased levels are a concern. A request for completed works was made to the DOH but disapproved until a plan to address aldehyde levels is developed. The Water Authority is running the wells to waste on a daily basis for a 30 day period with weekly sets of laboratory testing being taken. Discussions have taken place between staff and H2M as to other remedies for increased aldehyde levels.

Should aldehyde levels show a decrease over the monthly series of tests a second request for completed works will be made to the DOH.

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: (631) 694-3040 FAX: (631) 420-8436
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. : 70240234001
Client Sample ID.: N-00017

Federal ID : 2902830
Collected : 12/15/2022 11:03 AM Point N-00017
Received : 12/15/2022 03:15 PM Location Well #20
Collected By PACE No NHP

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 12/16/2022 12:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.40		1	ug/L	1	12/19/2022 5:04 PM	001 AG2R2/2
Surr: 1,4-Dioxane-d8 (S)	100%		1	%REC		12/19/2022 5:04 PM	001 AG2R2/2

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/27/2022 10:37

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.9		1	ng/L		12/28/2022 6:41 PM	001 BP3T1/2
Perfluoroheptanoic acid	2.4		1	ng/L		12/28/2022 6:41 PM	001 BP3T1/2
Perfluorohexanesulfonic acid	2.6		1	ng/L		12/28/2022 6:41 PM	001 BP3T1/2
Perfluorononanoic acid	4.6		1	ng/L		12/28/2022 6:41 PM	001 BP3T1/2
Perfluorooctanesulfonic acid	9.0		1	ng/L	10	12/28/2022 6:41 PM	001 BP3T1/2
Perfluorooctanoic acid	**10.4***		1	ng/L	10	12/28/2022 6:41 PM	001 BP3T1/2
Surr: 13C2-PFDA (S)	89%		1	%REC		12/28/2022 6:41 PM	001 BP3T1/2
Surr: 13C2-PFHxA (S)	87%		1	%REC		12/28/2022 6:41 PM	001 BP3T1/2
Surr: HFPO-DAS (S)	81%		1	%REC		12/28/2022 6:41 PM	001 BP3T1/2

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: 12/29/2022

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: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

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

Treatment
Air Stripper/GAC

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

Lab No. : 70240234002
Client Sample ID.: AS/GAC-00017

Federal ID : 2902830
Collected : 12/15/2022 10:46 AM Point AS/GAC-00017
Received : 12/15/2022 03:15 PM Location Well 20
Collected By PACE

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/27/2022 10:37

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.9		1	ng/L		12/28/2022 6:57 PM	002 BP3T1/2
Perfluoroheptanoic acid	<1.9		1	ng/L		12/28/2022 6:57 PM	002 BP3T1/2
Perfluorohexanesulfonic acid	<1.9		1	ng/L		12/28/2022 6:57 PM	002 BP3T1/2
Perfluorononanoic acid	<1.9		1	ng/L		12/28/2022 6:57 PM	002 BP3T1/2
Perfluorooctanesulfonic acid	<1.9		1	ng/L	10	12/28/2022 6:57 PM	002 BP3T1/2
Perfluorooctanoic acid	<1.9		1	ng/L	10	12/28/2022 6:57 PM	002 BP3T1/2
Surr: 13C2-PFDA (S)	88%		1	%REC		12/28/2022 6:57 PM	002 BP3T1/2
Surr: 13C2-PFHxA (S)	88%		1	%REC		12/28/2022 6:57 PM	002 BP3T1/2
Surr: HFPO-DAS (S)	82%		1	%REC		12/28/2022 6:57 PM	002 BP3T1/2

Qualifiers:
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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: 12/29/2022

Jennifer Aracri

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Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
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. : 70239875003
Client Sample ID.: N-02414

Federal ID : 2902830
Collected : 12/13/2022 11:16 AM Point N-02414
Received : 12/13/2022 04:25 PM Location Well #28
Collected By PACE Elmont

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/16/2022 10:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	5.1		1	ng/L		12/19/2022 3:16 AM	003 BP3T1/2
Perfluoroheptanoic acid	4.1		1	ng/L		12/19/2022 3:16 AM	003 BP3T1/2
Perfluorohexanesulfonic acid	3.5		1	ng/L		12/19/2022 3:16 AM	003 BP3T1/2
Perfluorononanoic acid	4.2		1	ng/L		12/19/2022 3:16 AM	003 BP3T1/2
Perfluorooctanesulfonic acid	5.5		1	ng/L	10	12/19/2022 3:16 AM	003 BP3T1/2
Perfluorooctanoic acid	**15.9***		1	ng/L	10	12/19/2022 3:16 AM	003 BP3T1/2
Surr: 13C2-PFDA (S)	81%		1	%REC		12/19/2022 3:16 AM	003 BP3T1/2
Surr: 13C2-PFHxA (S)	89%		1	%REC		12/19/2022 3:16 AM	003 BP3T1/2
Surr: HFPO-DAS (S)	82%		1	%REC		12/19/2022 3:16 AM	003 BP3T1/2

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

Date Reported: 12/22/2022

Jennifer Aracri

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TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

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

Treatment
GAC

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

Lab No. : 70239875004
Client Sample ID.: GAC-02414

Federal ID : 2902830
Collected : 12/13/2022 10:38 AM Point GAC-02414
Received : 12/13/2022 04:25 PM Location Well #28
Collected By PACE

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/16/2022 10:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.8		1	ng/L		12/19/2022 3:32 AM	004 BP3T1/2
Perfluoroheptanoic acid	<1.8		1	ng/L		12/19/2022 3:32 AM	004 BP3T1/2
Perfluorohexanesulfonic acid	<1.8		1	ng/L		12/19/2022 3:32 AM	004 BP3T1/2
Perfluorononanoic acid	<1.8		1	ng/L		12/19/2022 3:32 AM	004 BP3T1/2
Perfluorooctanesulfonic acid	<1.8		1	ng/L	10	12/19/2022 3:32 AM	004 BP3T1/2
Perfluorooctanoic acid	<1.8		1	ng/L	10	12/19/2022 3:32 AM	004 BP3T1/2
Surr: 13C2-PFDA (S)	91%		1	%REC		12/19/2022 3:32 AM	004 BP3T1/2
Surr: 13C2-PFHxA (S)	92%		1	%REC		12/19/2022 3:32 AM	004 BP3T1/2
Surr: HFPO-DAS (S)	87%		1	%REC		12/19/2022 3:32 AM	004 BP3T1/2

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

Date Reported: 12/22/2022

Jennifer Aracri

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Pace
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
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. : 70240231001
Client Sample ID.: N-04298

Federal ID : 2902830
Collected : 12/15/2022 12:10 PM Point N-04298
Received : 12/15/2022 03:15 PM Location Well #35A
Collected By PACE

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 12/16/2022 12:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.70		1	ug/L	1	12/19/2022 3:57 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	100%		1	%REC		12/19/2022 3:57 PM	001 AG2R1/2

Analytical Method:EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3	1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
2-Butanone (MEK)	<2.0	N3,L1	1	ug/L	50	12/19/2022 2:50 PM	001 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Acetone	<2.0	N3,v3	1	ug/L	50	12/19/2022 2:50 PM	001 VG9C1/2
Benzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		12/19/2022 2:50 PM	001 VG9C1/2
Bromoform	<0.50		1	ug/L		12/19/2022 2:50 PM	001 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Chlorodifluoromethane	2.1	N3	1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2

Qualifiers:
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See qualifiers page for additional qualifier definitions.

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

Jennifer Aracri

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Laboratory Results

Results for the samples and analytes requested

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575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
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. : 70240231001
Client Sample ID.: N-04298

Federal ID : 2902830
Collected : 12/15/2022 12:10 PM Point N-04298
Received : 12/15/2022 03:15 PM Location Well #35A
Collected By PACE

Chloroform	0.79		1	ug/L		12/19/2022 2:50 PM	001 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Dibromochloromethane	<0.50		1	ug/L		12/19/2022 2:50 PM	001 VG9C1/2
Dibromomethane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Dichlorodifluoromethane	<0.50	L1	1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Ethylbenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Hexachloro-1,3-butadiene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Isopropylbenzene (Cumene)	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Methyl-tert-butyl ether	<0.50		1	ug/L	10	12/19/2022 2:50 PM	001 VG9C1/2
Methylene Chloride	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Styrene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Tetrachloroethene	2.1		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Toluene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Total Trihalomethanes (Calc.)	0.79		1	ug/L	80	12/19/2022 2:50 PM	001 VG9C1/2
Trichloroethene	3.5		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Trichlorofluoromethane	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Vinyl chloride	<0.50		1	ug/L	2	12/19/2022 2:50 PM	001 VG9C1/2
cis-1,2-Dichloroethene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
cis-1,3-Dichloropropene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
m&p-Xylene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
n-Butylbenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
n-Propylbenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
o-Xylene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
p-Isopropyltoluene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
sec-Butylbenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
tert-Butylbenzene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
trans-1,2-Dichloroethene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
trans-1,3-Dichloropropene	<0.50		1	ug/L	5	12/19/2022 2:50 PM	001 VG9C1/2
Surr: 1,2-Dichlorobenzene-d4 (S)	77%		1	%REC		12/19/2022 2:50 PM	001 VG9C1/2
Surr: 4-Bromofluorobenzene (S)	84%		1	%REC		12/19/2022 2:50 PM	001 VG9C1/2

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/27/2022 10:37

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	2.5		1	ng/L		12/28/2022 8:17 PM	001 BP3T1/2
Perfluoroheptanoic acid	3.2		1	ng/L		12/28/2022 8:17 PM	001 BP3T1/2
Perfluorohexanesulfonic acid	3.7		1	ng/L		12/28/2022 8:17 PM	001 BP3T1/2
Perfluorononanoic acid	3.7		1	ng/L		12/28/2022 8:17 PM	001 BP3T1/2
Perfluorooctanesulfonic acid	5.4		1	ng/L	10	12/28/2022 8:17 PM	001 BP3T1/2
Perfluorooctanoic acid	8.1		1	ng/L	10	12/28/2022 8:17 PM	001 BP3T1/2
Surr: 13C2-PFDA (S)	89%		1	%REC		12/28/2022 8:17 PM	001 BP3T1/2
Surr: 13C2-PFHxA (S)	87%		1	%REC		12/28/2022 8:17 PM	001 BP3T1/2
Surr: HFPO-DAS (S)	81%		1	%REC		12/28/2022 8:17 PM	001 BP3T1/2

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
See qualifiers page for additional qualifier definitions.

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

Jennifer Aracri

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Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
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. : 70240231003
Client Sample ID.: AOP/AS35/35A

Federal ID : 2902830
Collected : 12/15/2022 11:52 AM Point AOP/AS35/35A
Received : 12/15/2022 03:15 PM Location Well 35,35A
Collected By PACE

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 12/16/2022 12:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	<0.020		1	ug/L	1	12/19/2022 4:31 PM	003 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	100%		1	%REC		12/19/2022 4:31 PM	003 AG2R1/2

Analytical Method:EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3	1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
2-Butanone (MEK)	<2.0	N3,L1	1	ug/L	50	12/19/2022 1:56 PM	003 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Acetone	<2.0	N3,v3	1	ug/L	50	12/19/2022 1:56 PM	003 VG9C1/2
Benzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		12/19/2022 1:56 PM	003 VG9C1/2
Bromoform	<0.50		1	ug/L		12/19/2022 1:56 PM	003 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2

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

Jennifer Aracri

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Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
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. : 70240231003
Client Sample ID.: AOP/AS35/35A

Federal ID : 2902830
Collected : 12/15/2022 11:52 AM Point AOP/AS35/35A
Received : 12/15/2022 03:15 PM Location Well 35,35A
Collected By PACE

Chloroform	<0.50		1	ug/L		12/19/2022 1:56 PM	003 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Dibromochloromethane	<0.50		1	ug/L		12/19/2022 1:56 PM	003 VG9C1/2
Dibromomethane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Dichlorodifluoromethane	<0.50	L1	1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Ethylbenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Hexachloro-1,3-butadiene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Isopropylbenzene (Cumene)	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Methyl-tert-butyl ether	<0.50		1	ug/L	10	12/19/2022 1:56 PM	003 VG9C1/2
Methylene Chloride	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Styrene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Tetrachloroethene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Toluene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Total Trihalomethanes (Calc.)	<0.50		1	ug/L	80	12/19/2022 1:56 PM	003 VG9C1/2
Trichloroethene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Trichlorofluoromethane	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Vinyl chloride	<0.50		1	ug/L	2	12/19/2022 1:56 PM	003 VG9C1/2
cis-1,2-Dichloroethene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
cis-1,3-Dichloropropene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
m&p-Xylene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
n-Butylbenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
n-Propylbenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
o-Xylene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
p-Isopropyltoluene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
sec-Butylbenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
tert-Butylbenzene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
trans-1,2-Dichloroethene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
trans-1,3-Dichloropropene	<0.50		1	ug/L	5	12/19/2022 1:56 PM	003 VG9C1/2
Surr: 1,2-Dichlorobenzene-d4 (S)	80%		1	%REC		12/19/2022 1:56 PM	003 VG9C1/2
Surr: 4-Bromofluorobenzene (S)	85%		1	%REC		12/19/2022 1:56 PM	003 VG9C1/2

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/27/2022 10:37

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.9	P4	1	ng/L		12/28/2022 8:33 PM	004 BP3T1/2
Perfluoroheptanoic acid	<1.9	P4	1	ng/L		12/28/2022 8:33 PM	004 BP3T1/2
Perfluorohexanesulfonic acid	<1.9	P4	1	ng/L		12/28/2022 8:33 PM	004 BP3T1/2
Perfluorononanoic acid	<1.9	P4	1	ng/L		12/28/2022 8:33 PM	004 BP3T1/2
Perfluorooctanesulfonic acid	<1.9	P4	1	ng/L	10	12/28/2022 8:33 PM	004 BP3T1/2
Perfluorooctanoic acid	<1.9	P4	1	ng/L	10	12/28/2022 8:33 PM	004 BP3T1/2
Surr: 13C2-PFDA (S)	85%		1	%REC		12/28/2022 8:33 PM	004 BP3T1/2
Surr: 13C2-PFHxA (S)	85%		1	%REC		12/28/2022 8:33 PM	004 BP3T1/2
Surr: HFPO-DAS (S)	83%		1	%REC		12/28/2022 8:33 PM	004 BP3T1/2

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See qualifiers page for additional qualifier definitions.

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TEL: (631) 694-3040 FAX: (631) 420-8436
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. : 70240234003
Client Sample ID.: N-04390

Federal ID : 2902830
Collected : 12/15/2022 10:18 AM Point N-04390
Received : 12/15/2022 03:15 PM Location Well #40
Collected By PACE No NHP

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 12/16/2022 12:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.57		1	ug/L	1	12/19/2022 5:21 PM	003 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	98%		1	%REC		12/19/2022 5:21 PM	003 AG2R1/2

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/27/2022 10:37

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.8		1	ng/L		12/28/2022 7:13 PM	003 BP3T1/2
Perfluoroheptanoic acid	2.7		1	ng/L		12/28/2022 7:13 PM	003 BP3T1/2
Perfluorohexanesulfonic acid	3.6		1	ng/L		12/28/2022 7:13 PM	003 BP3T1/2
Perfluorononanoic acid	<1.8		1	ng/L		12/28/2022 7:13 PM	003 BP3T1/2
Perfluorooctanesulfonic acid	4.1		1	ng/L	10	12/28/2022 7:13 PM	003 BP3T1/2
Perfluorooctanoic acid	8.8		1	ng/L	10	12/28/2022 7:13 PM	003 BP3T1/2
Surr: 13C2-PFDA (S)	86%		1	%REC		12/28/2022 7:13 PM	003 BP3T1/2
Surr: 13C2-PFHxA (S)	86%		1	%REC		12/28/2022 7:13 PM	003 BP3T1/2
Surr: HFPO-DAS (S)	80%		1	%REC		12/28/2022 7:13 PM	003 BP3T1/2

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: 12/29/2022

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: (631) 694-3040 FAX: (631) 420-8436
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. : 70240234004
Client Sample ID.: N-07445

Federal ID : 2902830
Collected : 12/15/2022 10:24 AM Point N-07445
Received : 12/15/2022 03:15 PM Location Well #40A
Collected By PACE No NHP

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 12/16/2022 12:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	**1.2***		1	ug/L	1	12/19/2022 5:37 PM	004 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	101%		1	%REC		12/19/2022 5:37 PM	004 AG2R1/2

Analytical Method: EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/27/2022 10:37

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.8		1	ng/L		12/28/2022 7:45 PM	004 BP3T1/2
Perfluoroheptanoic acid	<1.8		1	ng/L		12/28/2022 7:45 PM	004 BP3T1/2
Perfluorohexanesulfonic acid	<1.8		1	ng/L		12/28/2022 7:45 PM	004 BP3T1/2
Perfluorononanoic acid	2.2		1	ng/L		12/28/2022 7:45 PM	004 BP3T1/2
Perfluorooctanesulfonic acid	5.2		1	ng/L	10	12/28/2022 7:45 PM	004 BP3T1/2
Perfluorooctanoic acid	8.6		1	ng/L	10	12/28/2022 7:45 PM	004 BP3T1/2
Surr: 13C2-PFDA (S)	85%		1	%REC		12/28/2022 7:45 PM	004 BP3T1/2
Surr: 13C2-PFHxA (S)	84%		1	%REC		12/28/2022 7:45 PM	004 BP3T1/2
Surr: HFPO-DAS (S)	78%		1	%REC		12/28/2022 7:45 PM	004 BP3T1/2

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: 12/29/2022

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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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: (631) 694-3040 FAX: (631) 420-8436
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. : 70240234005
Client Sample ID.: AS-07445

Federal ID : 2902830
Collected : 12/15/2022 10:00 AM Point AS-07445
Received : 12/15/2022 03:15 PM Location Well 40,40A
Collected By PACE

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 12/16/2022 12:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.73		1	ug/L	1	12/19/2022 5:54 PM	005 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	101%		1	%REC		12/19/2022 5:54 PM	005 AG2R1/2

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/27/2022 10:37

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.9	P4	1	ng/L		12/28/2022 8:01 PM	005 BP3T1/2
Perfluoroheptanoic acid	2.7	P4	1	ng/L		12/28/2022 8:01 PM	005 BP3T1/2
Perfluorohexanesulfonic acid	3.1	P4	1	ng/L		12/28/2022 8:01 PM	005 BP3T1/2
Perfluorononanoic acid	<1.9	P4	1	ng/L		12/28/2022 8:01 PM	005 BP3T1/2
Perfluorooctanesulfonic acid	4.4	P4	1	ng/L	10	12/28/2022 8:01 PM	005 BP3T1/2
Perfluorooctanoic acid	8.8	P4	1	ng/L	10	12/28/2022 8:01 PM	005 BP3T1/2
Surr: 13C2-PFDA (S)	86%		1	%REC		12/28/2022 8:01 PM	005 BP3T1/2
Surr: 13C2-PFHxA (S)	85%		1	%REC		12/28/2022 8:01 PM	005 BP3T1/2
Surr: HFPO-DAS (S)	81%		1	%REC		12/28/2022 8:01 PM	005 BP3T1/2

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: 12/29/2022

Jennifer Aracri

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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: (631) 694-3040 FAX: (631) 420-8436
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. : 70239875005
Client Sample ID.: N-05155

Federal ID : 2902830
Collected : 12/13/2022 12:21 PM Point N-05155
Received : 12/13/2022 04:25 PM Location Well #44
Collected By PACE Elmont

Analytical Method: EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/16/2022 10:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	5.3		1	ng/L		12/19/2022 4:04 AM	005 BP3T1/2
Perfluoroheptanoic acid	4.9		1	ng/L		12/19/2022 4:04 AM	005 BP3T1/2
Perfluorohexanesulfonic acid	4.4		1	ng/L		12/19/2022 4:04 AM	005 BP3T1/2
Perfluorononanoic acid	<1.8		1	ng/L		12/19/2022 4:04 AM	005 BP3T1/2
Perfluorooctanesulfonic acid	9.7		1	ng/L	10	12/19/2022 4:04 AM	005 BP3T1/2
Perfluorooctanoic acid	**14.3***		1	ng/L	10	12/19/2022 4:04 AM	005 BP3T1/2
Surr: 13C2-PFDA (S)	89%		1	%REC		12/19/2022 4:04 AM	005 BP3T1/2
Surr: 13C2-PFHxA (S)	92%		1	%REC		12/19/2022 4:04 AM	005 BP3T1/2
Surr: HFPO-DAS (S)	88%		1	%REC		12/19/2022 4:04 AM	005 BP3T1/2

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

Date Reported: 12/22/2022

Jennifer Aracri

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Laboratory Results

Results for the samples and analytes requested

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Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
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. : 70239875006
Client Sample ID.: N-05156

Federal ID : 2902830
Collected : 12/13/2022 12:26 PM Point N-05156
Received : 12/13/2022 04:25 PM Location Well #44A
Collected By PACE Elmont

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/16/2022 10:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.8	P4	1	ng/L		12/19/2022 4:20 AM	006 BP3T1/2
Perfluoroheptanoic acid	2.6	P4	1	ng/L		12/19/2022 4:20 AM	006 BP3T1/2
Perfluorohexanesulfonic acid	4.2	P4	1	ng/L		12/19/2022 4:20 AM	006 BP3T1/2
Perfluorononanoic acid	4.9	P4	1	ng/L		12/19/2022 4:20 AM	006 BP3T1/2
Perfluorooctanesulfonic acid	**13.4***	P4	1	ng/L	10	12/19/2022 4:20 AM	006 BP3T1/2
Perfluorooctanoic acid	6.1	P4	1	ng/L	10	12/19/2022 4:20 AM	006 BP3T1/2
Surr: 13C2-PFDA (S)	88%		1	%REC		12/19/2022 4:20 AM	006 BP3T1/2
Surr: 13C2-PFHxA (S)	92%		1	%REC		12/19/2022 4:20 AM	006 BP3T1/2
Surr: HFPO-DAS (S)	88%		1	%REC		12/19/2022 4:20 AM	006 BP3T1/2

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

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Date Reported: 12/22/2022

Laboratory Results

Results for the samples and analytes requested

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Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

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

Treatment
Air Stripper/GAC

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

Lab No. : 70239875007
Client Sample ID.: AS/GAC-44/44A

Federal ID : 2902830
Collected : 12/13/2022 12:31 PM Point AS/GAC-44/44A
Received : 12/13/2022 04:25 PM Location Well 44,44A
Collected By PACE

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/16/2022 10:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	2.4		1	ng/L		12/19/2022 4:36 AM	007 BP3T1/2
Perfluoroheptanoic acid	<1.8		1	ng/L		12/19/2022 4:36 AM	007 BP3T1/2
Perfluorohexanesulfonic acid	<1.8		1	ng/L		12/19/2022 4:36 AM	007 BP3T1/2
Perfluorononanoic acid	<1.8		1	ng/L		12/19/2022 4:36 AM	007 BP3T1/2
Perfluorooctanesulfonic acid	<1.8		1	ng/L	10	12/19/2022 4:36 AM	007 BP3T1/2
Perfluorooctanoic acid	<1.8		1	ng/L	10	12/19/2022 4:36 AM	007 BP3T1/2
Surr: 13C2-PFDA (S)	96%		1	%REC		12/19/2022 4:36 AM	007 BP3T1/2
Surr: 13C2-PFHxA (S)	93%		1	%REC		12/19/2022 4:36 AM	007 BP3T1/2
Surr: HFPO-DAS (S)	88%		1	%REC		12/19/2022 4:36 AM	007 BP3T1/2

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

Date Reported: 12/22/2022

Jennifer Aracri

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Laboratory Results

Results for the samples and analytes requested

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Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
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. : 70239875008
Client Sample ID.: N-06744

Federal ID : 2902830
Collected : 12/13/2022 01:07 PM Point N-06744
Received : 12/13/2022 04:25 PM Location Well #44B
Collected By PACE Elmont

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/16/2022 10:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	7.7	P4	1	ng/L		12/19/2022 4:52 AM	008 BP3T1/2
Perfluoroheptanoic acid	7.3	P4	1	ng/L		12/19/2022 4:52 AM	008 BP3T1/2
Perfluorohexanesulfonic acid	5.7	P4	1	ng/L		12/19/2022 4:52 AM	008 BP3T1/2
Perfluorononanoic acid	<1.8	P4	1	ng/L		12/19/2022 4:52 AM	008 BP3T1/2
Perfluorooctanesulfonic acid	**11.3***	P4	1	ng/L	10	12/19/2022 4:52 AM	008 BP3T1/2
Perfluorooctanoic acid	**21.2***	P4	1	ng/L	10	12/19/2022 4:52 AM	008 BP3T1/2
Surr: 13C2-PFDA (S)	88%		1	%REC		12/19/2022 4:52 AM	008 BP3T1/2
Surr: 13C2-PFHxA (S)	84%		1	%REC		12/19/2022 4:52 AM	008 BP3T1/2
Surr: HFPO-DAS (S)	75%		1	%REC		12/19/2022 4:52 AM	008 BP3T1/2

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: 12/22/2022

Jennifer Aracri

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Laboratory Results

Results for the samples and analytes requested

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575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
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. : 70239875009
Client Sample ID.: N-06745

Federal ID : 2902830
Collected : 12/13/2022 01:16 PM Point N-06745
Received : 12/13/2022 04:25 PM Location Well #44C
Collected By PACE Elmont

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/16/2022 10:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	6.7		1	ng/L		12/19/2022 5:07 AM	009 BP3T1/2
Perfluoroheptanoic acid	5.7		1	ng/L		12/19/2022 5:07 AM	009 BP3T1/2
Perfluorohexanesulfonic acid	4.4		1	ng/L		12/19/2022 5:07 AM	009 BP3T1/2
Perfluorononanoic acid	<1.8		1	ng/L		12/19/2022 5:07 AM	009 BP3T1/2
Perfluorooctanesulfonic acid	8.8		1	ng/L	10	12/19/2022 5:07 AM	009 BP3T1/2
Perfluorooctanoic acid	**16.5***		1	ng/L	10	12/19/2022 5:07 AM	009 BP3T1/2
Surr: 13C2-PFDA (S)	90%		1	%REC		12/19/2022 5:07 AM	009 BP3T1/2
Surr: 13C2-PFHxA (S)	90%		1	%REC		12/19/2022 5:07 AM	009 BP3T1/2
Surr: HFPO-DAS (S)	84%		1	%REC		12/19/2022 5:07 AM	009 BP3T1/2

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: 12/22/2022

Jennifer Aracri

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Laboratory Results

Results for the samples and analytes requested

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Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

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

Treatment
Air Stripper/GAC

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

Lab No. : 70239875010
Client Sample ID.: AS/GAC-44B/44C

Federal ID : 2902830
Collected : 12/13/2022 12:56 PM Point AS/GAC-44B/44C
Received : 12/13/2022 04:25 PM Location Well 44B,44C
Collected By PACE

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 12/16/2022 10:55

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	2.5		1	ng/L		12/19/2022 5:23 AM	010 BP3T1/2
Perfluoroheptanoic acid	<1.8		1	ng/L		12/19/2022 5:23 AM	010 BP3T1/2
Perfluorohexanesulfonic acid	<1.8		1	ng/L		12/19/2022 5:23 AM	010 BP3T1/2
Perfluorononanoic acid	<1.8		1	ng/L		12/19/2022 5:23 AM	010 BP3T1/2
Perfluorooctanesulfonic acid	<1.8		1	ng/L	10	12/19/2022 5:23 AM	010 BP3T1/2
Perfluorooctanoic acid	<1.8		1	ng/L	10	12/19/2022 5:23 AM	010 BP3T1/2
Surr: 13C2-PFDA (S)	93%		1	%REC		12/19/2022 5:23 AM	010 BP3T1/2
Surr: 13C2-PFHxA (S)	92%		1	%REC		12/19/2022 5:23 AM	010 BP3T1/2
Surr: HFPO-DAS (S)	86%		1	%REC		12/19/2022 5:23 AM	010 BP3T1/2

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

Date Reported: 12/22/2022

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Laboratory Results

Results for the samples and analytes requested

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Pace
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
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. : 70217382002
Client Sample ID.: RAW WELL/AOP INF (DOH) 30'

Federal ID : 2902830
Collected : 06/07/2022 09:50 AM Point RAW WELL
Received : 06/07/2022 02:25 PM Location AOP INF (DOH) 30'
Collected By H2M
WELL 57

Sample Comments:
RUN TO WASTE
30 MIN

Analytical Method:ASTM D7237-10

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Cyanide, Free	<10.0		1	ug/L	200	06/20/2022 2:19 PM	002 BP3C1/1

Analytical Method:EPA 180.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Turbidity	<1.0		1	NTU	5	06/08/2022 12:03	002 BP1U1/1

Analytical Method:EPA 200.7

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Ca Hardness as CaCO3 (SM 2340B	77.2		1	mg/L		06/14/2022 7:51 PM	002 BP4N1/1
Calcium	30.9		1	mg/L		06/14/2022 7:51 PM	002 BP4N1/1
Iron	0.042		1	mg/L	0.3	06/14/2022 7:51 PM	002 BP4N1/1
Magnesium	13.1		1	mg/L		06/14/2022 7:51 PM	002 BP4N1/1
Manganese	<0.010		1	mg/L	0.3	06/14/2022 7:51 PM	002 BP4N1/1
Sodium	36.9		1	mg/L		06/14/2022 7:51 PM	002 BP4N1/1
Tot Hardness asCaCO3 (SM 2340B	131	N3	1	mg/L		06/14/2022 7:51 PM	002 BP4N1/1
Zinc	<0.020		1	mg/L	5	06/14/2022 7:51 PM	002 BP4N1/1

Analytical Method:EPA 200.8

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Antimony	<0.40		1	ug/L	6	06/20/2022 11:39	002 BP4N1/1
Arsenic	<1.0		1	ug/L	10	06/20/2022 11:39	002 BP4N1/1
Barium	0.0058		1	mg/L	2	06/20/2022 11:39	002 BP4N1/1
Beryllium	<0.30		1	ug/L	4	06/20/2022 11:39	002 BP4N1/1
Cadmium	<1.0		1	ug/L	5	06/20/2022 11:39	002 BP4N1/1
Chromium	<0.0070		1	mg/L	0.1	06/20/2022 11:39	002 BP4N1/1
Copper	<0.0020		1	mg/L	1.3	06/20/2022 11:39	002 BP4N1/1
Lead	<1.0	M1	1	ug/L	15	06/20/2022 11:39	002 BP4N1/1
Mercury	<0.20	M1	1	ug/L	2	06/20/2022 11:39	002 BP4N1/1
Nickel	0.0011		1	mg/L		06/20/2022 11:39	002 BP4N1/1
Selenium	<2.0		1	ug/L	50	06/20/2022 11:39	002 BP4N1/1
Silver	<0.0010	M1	1	mg/L	0.1	06/20/2022 11:39	002 BP4N1/1
Thallium	<0.30	M1	1	ug/L	2	06/20/2022 11:39	002 BP4N1/1

Analytical Method:EPA 218.7

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:

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

Jennifer Aracri

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Sample Information:
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Special

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Attn To : Michael Leiner

Lab No. : 70217382002
Client Sample ID.: RAW WELL/AOP INF (DOH) 30'

Federal ID : 2902830
Collected : 06/07/2022 09:50 AM Point RAW WELL
Received : 06/07/2022 02:25 PM Location AOP INF (DOH) 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Chromium, Hexavalent	0.21		5	ug/L		06/15/2022 3:41 PM	002 BP3R1/1

Analytical Method:EPA 300.0

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Chloride	62.9		1	mg/L	250	06/16/2022 11:44	002 BP1U1/1
Fluoride	<0.10		1	mg/L	2.2	06/16/2022 11:44	002 BP1U1/1
Sulfate	45.9		1	mg/L	250	06/16/2022 11:44	002 BP1U1/1

Analytical Method:EPA 300.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Chlorite	<10.0	D3	5	ug/L	1000	06/15/2022 4:24 PM	002 AG4E1/1
Surr: Dichloroacetate (S)	104%		5	%REC		06/15/2022 4:24 PM	002 AG4E1/1

Analytical Method:EPA 300.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Bromate	<5.0	D3	5	ug/L	10	06/15/2022 4:24 PM	002 AG4E1/1
Chlorate	13.6		5	ug/L		06/15/2022 4:24 PM	002 AG4E1/1
Surr: Dichloroacetate (S)	104%		5	%REC		06/15/2022 4:24 PM	002 AG4E1/1

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrate as N	2.6		1	mg/L	10	06/08/2022 4:05 PM	002 BP1U1/1
Nitrate-Nitrite (as N)	2.6		1	mg/L		06/08/2022 4:05 PM	002 BP1U1/1

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrite as N	<0.050		1	mg/L	1	06/08/2022 11:58	002 BP1U1/1

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 06/10/2022 11:02

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	6.2*		5	ug/L	1	06/13/2022 1:01 PM	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	110%		5	%REC		06/13/2022 1:01 PM	002 AG2R1/2

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 06/17/2022 11:15

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	4.6		1	ng/L		06/22/2022 12:44	002 BP3T1/1
Perfluoroheptanoic acid	15.0		1	ng/L		06/22/2022 12:44	002 BP3T1/1

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.
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See qualifiers page for additional qualifier definitions.

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

Jennifer Aracri

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Pace

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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. : 70217382002
Client Sample ID.: RAW WELL/AOP INF (DOH) 30'

Federal ID : 2902830
Collected : 06/07/2022 09:50 AM Point RAW WELL
Received : 06/07/2022 02:25 PM Location AOP INF (DOH) 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Perfluorohexanesulfonic acid	10.1		1	ng/L		06/22/2022 12:44	002 BP3T1/1
Perfluorononanoic acid	34.9		1	ng/L		06/22/2022 12:44	002 BP3T1/1
Perfluorooctanesulfonic acid	**44.8***		1	ng/L	10	06/22/2022 12:44	002 BP3T1/1
Perfluorooctanoic acid	**92.0***		1	ng/L	10	06/22/2022 12:44	002 BP3T1/1
Surr: 13C2-PFDA (S)	103%		1	%REC		06/22/2022 12:44	002 BP3T1/1
Surr: 13C2-PFHxA (S)	131%	S0	1	%REC		06/22/2022 12:44	002 BP3T1/1
Surr: HFPO-DAS (S)	100%		1	%REC		06/22/2022 12:44	002 BP3T1/1
Surr: NEtFOSAA-d5 (S)	74%		1	%REC		06/22/2022 12:44	002 BP3T1/1

Analytical Method:EPA 552.3 Prep Method: EPA 552.3 Prep Date: 06/14/2022 7:30 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Bromochloroacetic Acid	<0.30		1	ug/L		06/16/2022 12:47	002 AG341/1
Bromodichloroacetic Acid	<0.50	N2	1	ug/L		06/16/2022 12:47	002 AG341/1
Chlorodibromoacetic Acid	<0.30	N2	1	ug/L		06/16/2022 12:47	002 AG341/1
Dibromoacetic Acid	<0.30		1	ug/L		06/16/2022 12:47	002 AG341/1
Dichloroacetic Acid	<0.20		1	ug/L		06/16/2022 12:47	002 AG341/1
Monobromoacetic Acid	<0.30		1	ug/L		06/16/2022 12:47	002 AG341/1
Monochloroacetic Acid	<2.0		1	ug/L		06/16/2022 12:47	002 AG341/1
Tribromoacetic Acid	<2.0	N2	1	ug/L		06/16/2022 12:47	002 AG341/1
Trichloroacetic Acid	<0.50		1	ug/L		06/16/2022 12:47	002 AG341/1
Surr: 2-Bromobutanoic acid (S)	98%		1	%REC		06/16/2022 12:47	002 AG341/1

Analytical Method:SM22 2120B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Apparent Color	<5.0		1	units		06/08/2022 11:03	002 BP1U1/1
pH	6.4		1	Std. Units		06/08/2022 11:03	002 BP1U1/1

Analytical Method:SM22 2150B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Odor @ 60 Degrees C	No odor observed		1		3	06/08/2022 8:25 AM	002 AG2U1/1

Analytical Method:SM22 2320B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Alkalinity, Total as CaCO3	84.4		1	mg/L		06/09/2022 10:35	002 BP1U1/1

Analytical Method:SM22 2330 LSI

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:

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.
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See qualifiers page for additional qualifier definitions.

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

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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. : 70217382002
Client Sample ID.: RAW WELL/AOP INF (DOH) 30'

Federal ID : 2902830
Collected : 06/07/2022 09:50 AM Point RAW WELL
Received : 06/07/2022 02:25 PM Location AOP INF (DOH) 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Corrosivity	-1.68		1			06/21/2022 2:43 PM	002 BP3C1/1

Analytical Method:SM22 2540C

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Total Dissolved Solids	276		1	mg/L		06/14/2022 4:28 PM	002 BP1U1/1

Analytical Method:SM22 4500 NH3 H

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrogen, Ammonia	3.1		1	mg/L		06/09/2022 3:29 PM	002 BP1U1/1

Analytical Method:SM22 4500-H+B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Temperature, Water (C)	12.2	H3,H6	1	deg C		06/08/2022 4:43 PM	002 BP1U1/1
pH	6.6	N3,H3,H6	1	Std. Units		06/08/2022 4:43 PM	002 BP1U1/1

Analytical Method:SM22 5540C Prep Method: SM22 5540C Prep Date: 06/08/2022 6:02 PM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
LAS Molecular Weight, g/mol	320		1			06/08/2022 6:43 PM	002 BP1U1/1
MBAS, Calculated as LAS	<0.080		1	mg/L		06/08/2022 6:43 PM	002 BP1U1/1

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.
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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. : 70217382008
Client Sample ID.: GAC 57-2 EFF (DOH) 30'

Federal ID : 2902830
Collected : 06/07/2022 01:15 PM Point GAC 57-2
Received : 06/07/2022 02:25 PM Location (DOH) 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Analytical Method:ASTM D7237-10

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Cyanide, Free	<10.0		1	ug/L	200	06/20/2022 2:32 PM	008 BP3C1/1

Analytical Method:EPA 180.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Turbidity	<1.0		1	NTU	5	06/08/2022 12:09	008 BP1U1/1

Analytical Method:EPA 200.7

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Ca Hardness as CaCO3 (SM 2340B	75.4		1	mg/L		06/14/2022 7:58 PM	008 BP3N1/1
Calcium	30.2		1	mg/L		06/14/2022 7:58 PM	008 BP3N1/1
Iron	<0.020		1	mg/L	0.3	06/14/2022 7:58 PM	008 BP3N1/1
Magnesium	13.5		1	mg/L		06/14/2022 7:58 PM	008 BP3N1/1
Manganese	<0.010		1	mg/L	0.3	06/14/2022 7:58 PM	008 BP3N1/1
Sodium	36.6		1	mg/L		06/14/2022 7:58 PM	008 BP3N1/1
Tot Hardness asCaCO3 (SM 2340B	131	N3	1	mg/L		06/14/2022 7:58 PM	008 BP3N1/1
Zinc	0.051		1	mg/L	5	06/14/2022 7:58 PM	008 BP3N1/1

Analytical Method:EPA 200.8

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Antimony	<0.40		1	ug/L	6	06/20/2022 11:48	008 BP3N1/1
Arsenic	<1.0		1	ug/L	10	06/20/2022 11:48	008 BP3N1/1
Barium	0.0061		1	mg/L	2	06/20/2022 11:48	008 BP3N1/1
Beryllium	<0.30		1	ug/L	4	06/20/2022 11:48	008 BP3N1/1
Cadmium	<1.0		1	ug/L	5	06/20/2022 11:48	008 BP3N1/1
Chromium	<0.0070		1	mg/L	0.1	06/20/2022 11:48	008 BP3N1/1
Copper	<0.0020		1	mg/L	1.3	06/20/2022 11:48	008 BP3N1/1
Lead	<1.0		1	ug/L	15	06/20/2022 11:48	008 BP3N1/1
Mercury	<0.20		1	ug/L	2	06/20/2022 11:48	008 BP3N1/1
Nickel	0.0042		1	mg/L		06/20/2022 11:48	008 BP3N1/1
Selenium	<2.0		1	ug/L	50	06/20/2022 11:48	008 BP3N1/1
Silver	<0.0010		1	mg/L	0.1	06/20/2022 11:48	008 BP3N1/1
Thallium	<0.30		1	ug/L	2	06/20/2022 11:48	008 BP3N1/1

Analytical Method:EPA 218.7

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:

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Federal ID : 2902830
Collected : 06/07/2022 01:15 PM Point GAC 57-2
Received : 06/07/2022 02:25 PM Location (DOH) 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Chromium, Hexavalent	<0.12	5	ug/L		06/15/2022 4:47 PM	008 BP3R1/1

Analytical Method:EPA 300.0

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Chloride	64.8		1	mg/L	250	06/17/2022 12:24	008 BP1U1/1
Fluoride	<0.10		1	mg/L	2.2	06/17/2022 12:24	008 BP1U1/1
Sulfate	41.3		1	mg/L	250	06/17/2022 12:24	008 BP1U1/1

Analytical Method:EPA 300.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Chlorite	<10.0	D3	5	ug/L	1000	06/15/2022 5:50 PM	008 AG4E1/1
Surr: Dichloroacetate (S)	103%		5	%REC		06/15/2022 5:50 PM	008 AG4E1/1

Analytical Method:EPA 300.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Bromate	<5.0	D3	5	ug/L	10	06/15/2022 5:50 PM	008 AG4E1/1
Chlorate	<10.0	D3	5	ug/L		06/15/2022 5:50 PM	008 AG4E1/1
Surr: Dichloroacetate (S)	103%		5	%REC		06/15/2022 5:50 PM	008 AG4E1/1

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrate as N	0.16		1	mg/L	10	06/08/2022 4:10 PM	008 BP1U1/1
Nitrate-Nitrite (as N)	0.17		1	mg/L		06/08/2022 4:10 PM	008 BP1U1/1

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrite as N	<0.050		1	mg/L	1	06/08/2022 12:15	008 BP1U1/1

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 06/10/2022 11:02

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.028		1	ug/L	1	06/11/2022 3:29 AM	008 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	106%		1	%REC		06/11/2022 3:29 AM	008 AG2R1/2

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 06/17/2022 11:15

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.9		1	ng/L		06/22/2022 1:16 AM	008 BP3T1/1
Perfluoroheptanoic acid	<1.9		1	ng/L		06/22/2022 1:16 AM	008 BP3T1/1

Qualifiers:
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U - Indicates the compound was analyzed for, but not detected
See qualifiers page for additional qualifier definitions.

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

Jennifer Aracri

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Laboratory Results

Results for the samples and analytes requested

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Sample Information:
Type: Drinking Water
Origin: Effluent
Special

Pace
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

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

Lab No. : 70217382008
Client Sample ID.: GAC 57-2 EFF (DOH) 30'

Federal ID : 2902830
Collected : 06/07/2022 01:15 PM Point GAC 57-2
Received : 06/07/2022 02:25 PM Location (DOH) 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Perfluorohexanesulfonic acid	<1.9		1	ng/L		06/22/2022 1:16 AM	008 BP3T1/1
Perfluorononanoic acid	<1.9		1	ng/L		06/22/2022 1:16 AM	008 BP3T1/1
Perfluorooctanesulfonic acid	<1.9		1	ng/L	10	06/22/2022 1:16 AM	008 BP3T1/1
Perfluorooctanoic acid	<1.9		1	ng/L	10	06/22/2022 1:16 AM	008 BP3T1/1
Surr: 13C2-PFDA (S)	102%		1	%REC		06/22/2022 1:16 AM	008 BP3T1/1
Surr: 13C2-PFHxA (S)	87%		1	%REC		06/22/2022 1:16 AM	008 BP3T1/1
Surr: HFPO-DAS (S)	87%		1	%REC		06/22/2022 1:16 AM	008 BP3T1/1
Surr: NEtFOSAA-d5 (S)	90%		1	%REC		06/22/2022 1:16 AM	008 BP3T1/1

Analytical Method:EPA 552.3 Prep Method: EPA 552.3 Prep Date: 06/14/2022 7:30 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Bromochloroacetic Acid	<0.30		1	ug/L		06/16/2022 2:05 AM	008 AG341/1
Bromodichloroacetic Acid	<0.50	N2	1	ug/L		06/16/2022 2:05 AM	008 AG341/1
Chlorodibromoacetic Acid	<0.30	N2	1	ug/L		06/16/2022 2:05 AM	008 AG341/1
Dibromoacetic Acid	<0.30		1	ug/L		06/16/2022 2:05 AM	008 AG341/1
Dichloroacetic Acid	<0.20		1	ug/L		06/16/2022 2:05 AM	008 AG341/1
Monobromoacetic Acid	<0.30		1	ug/L		06/16/2022 2:05 AM	008 AG341/1
Monochloroacetic Acid	<2.0		1	ug/L		06/16/2022 2:05 AM	008 AG341/1
Tribromoacetic Acid	<2.0	N2	1	ug/L		06/16/2022 2:05 AM	008 AG341/1
Trichloroacetic Acid	<0.50		1	ug/L		06/16/2022 2:05 AM	008 AG341/1
Surr: 2-Bromobutanoic acid (S)	95%		1	%REC		06/16/2022 2:05 AM	008 AG341/1

Analytical Method:SM22 2120B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Apparent Color	<5.0		1	units		06/08/2022 11:11	008 BP1U1/1
pH	6.4		1	Std. Units		06/08/2022 11:11	008 BP1U1/1

Analytical Method:SM22 2150B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Odor @ 60 Degrees C	No odor observed		1		3	06/08/2022 8:25 AM	008 AG2U1/1

Analytical Method:SM22 2320B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Alkalinity, Total as CaCO3	95.0		1	mg/L		06/09/2022 11:12	008 BP1U1/1

Analytical Method:SM22 2330 LSI

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:

Qualifiers:
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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. : 70217382008
Client Sample ID.: GAC 57-2 EFF (DOH) 30'

Federal ID : 2902830
Collected : 06/07/2022 01:15 PM Point GAC 57-2
Received : 06/07/2022 02:25 PM Location (DOH) 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Corrosivity	-1.6		1			06/21/2022 2:43 PM	008 BP3C1/1

Analytical Method:SM22 2540C

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Total Dissolved Solids	153		1	mg/L		06/14/2022 4:30 PM	008 BP1U1/1

Analytical Method:SM22 4500 NH3 H

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrogen, Ammonia	3.2		1	mg/L		06/09/2022 3:35 PM	008 BP1U1/1

Analytical Method:SM22 4500-H+B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Temperature, Water (C)	12.7	H3,H6	1	deg C		06/08/2022 4:44 PM	008 BP1U1/1
pH	6.6	N3,H3,H6	1	Std. Units		06/08/2022 4:44 PM	008 BP1U1/1

Analytical Method:SM22 5540C Prep Method: SM22 5540C Prep Date: 06/08/2022 6:05 PM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
LAS Molecular Weight, g/mol	320		1			06/08/2022 6:46 PM	008 BP1U1/1
MBAS, Calculated as LAS	<0.080		1	mg/L		06/08/2022 6:46 PM	008 BP1U1/1

Qualifiers:
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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: SPECIAL 1,4 DIOX/ALD 12/28 WELL 57
Pace Project No.: 70241456

Sample: N-07649 **Lab ID: 70241456001** Collected: 12/28/22 09:35 Received: 12/28/22 11:12 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)	Analytical Method: EPA 522 Preparation Method: EPA 522 Pace Analytical Services - Melville							
1,4-Dioxane (p-Dioxane)	**4.3**	ug/L	0.10	5	12/30/22 13:52	01/03/23 12:22	123-91-1	
Surrogates								
1,4-Dioxane-d8 (S)	93	%	70-130	5	12/30/22 13:52	01/03/23 12:22		

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: SPECIAL 1,4 DIOX/ALD 12/28
Pace Project No.: 70241456

Sample: AOP 57 EFF **Lab ID: 70241456002** Collected: 12/28/22 09:35 Received: 12/28/22 11:12 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)	Analytical Method: EPA 522 Preparation Method: EPA 522 Pace Analytical Services - Melville							
1,4-Dioxane (p-Dioxane)	**<0.020**	ug/L	0.020	1	12/30/22 13:52	12/31/22 11:00	123-91-1	
Surrogates								
1,4-Dioxane-d8 (S)	88	%	70-130	1	12/30/22 13:52	12/31/22 11:00		

REPORT OF LABORATORY ANALYSIS

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Laboratory Results

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TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Influent
Special

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

Lab No. : 70217937002
Client Sample ID.: RAW WELL 57A/AOP INF 30'

Federal ID : 2902830
Collected : 06/10/2022 09:50 AM Point RAW WELL 57A
Received : 06/10/2022 03:05 PM Location AOP INF 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Analytical Method:ASTM D7237-10

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Cyanide, Free	<10.0		1	ug/L	200	06/21/2022 2:59 PM	002 BP3C1/1

Analytical Method:EPA 180.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Turbidity	<1.0		1	NTU	5	06/11/2022 3:13 PM	002 BP1U1/1

Analytical Method:EPA 200.7

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Ca Hardness as CaCO3 (SM 2340B	73.2		1	mg/L		06/24/2022 2:00 PM	002 BP3N1/1
Calcium	29.3		1	mg/L		06/24/2022 2:00 PM	002 BP3N1/1
Iron	0.041		1	mg/L	0.3	06/24/2022 2:00 PM	002 BP3N1/1
Magnesium	17.7		1	mg/L		06/24/2022 2:00 PM	002 BP3N1/1
Manganese	<0.010		1	mg/L	0.3	06/24/2022 2:00 PM	002 BP3N1/1
Sodium	43.4		1	mg/L		06/24/2022 2:00 PM	002 BP3N1/1
Tot Hardness asCaCO3 (SM 2340B	146	N3	1	mg/L		06/24/2022 2:00 PM	002 BP3N1/1
Zinc	0.022	M1	1	mg/L	5	06/24/2022 2:00 PM	002 BP3N1/1

Analytical Method:EPA 200.8

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Antimony	<0.40		1	ug/L	6	06/22/2022 6:14 PM	002 BP3N1/1
Arsenic	<1.0		1	ug/L	10	06/22/2022 6:14 PM	002 BP3N1/1
Barium	0.0083		1	mg/L	2	06/22/2022 6:14 PM	002 BP3N1/1
Beryllium	<0.30		1	ug/L	4	06/22/2022 6:14 PM	002 BP3N1/1
Cadmium	<1.0		1	ug/L	5	06/22/2022 6:14 PM	002 BP3N1/1
Chromium	<0.0070		1	mg/L	0.1	06/22/2022 6:14 PM	002 BP3N1/1
Copper	<0.0020		1	mg/L	1.3	06/22/2022 6:14 PM	002 BP3N1/1
Lead	<1.0		1	ug/L	15	06/22/2022 6:14 PM	002 BP3N1/1
Mercury	<0.20		1	ug/L	2	06/22/2022 6:14 PM	002 BP3N1/1
Nickel	0.0022		1	mg/L		06/22/2022 6:14 PM	002 BP3N1/1
Selenium	2.9		1	ug/L	50	06/22/2022 6:14 PM	002 BP3N1/1
Silver	<0.0010		1	mg/L	0.1	06/22/2022 6:14 PM	002 BP3N1/1
Thallium	<0.30		1	ug/L	2	06/22/2022 6:14 PM	002 BP3N1/1

Analytical Method:EPA 218.7

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:

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Kimberley Mack

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www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Influent
Special

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

Lab No. : 70217937002
Client Sample ID.: RAW WELL 57A/AOP INF 30'

Federal ID : 2902830
Collected : 06/10/2022 09:50 AM Point RAW WELL 57A
Received : 06/10/2022 03:05 PM Location AOP INF 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Chromium, Hexavalent	0.26	M1	5	ug/L	06/15/2022 7:37 PM	002 BP3R1/1

Analytical Method:EPA 300.0

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Chloride	78.8		1	mg/L	250	06/20/2022 5:39 PM	002 BP1U1/1
Fluoride	<0.10		1	mg/L	2.2	06/20/2022 5:39 PM	002 BP1U1/1
Sulfate	47.3		1	mg/L	250	06/20/2022 5:39 PM	002 BP1U1/1

Analytical Method:EPA 300.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Chlorite	<10.0	D3,H1	5	ug/L	1000	06/29/2022 12:13	002 AG4E1/1
Surr: Dichloroacetate (S)	104%		5	%REC		06/29/2022 12:13	002 AG4E1/1

Analytical Method:EPA 300.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Bromate	<5.0	D3	5	ug/L	10	06/29/2022 12:13	002 AG4E1/1
Chlorate	<10.0		5	ug/L		06/29/2022 12:13	002 AG4E1/1
Surr: Dichloroacetate (S)	104%		5	%REC		06/29/2022 12:13	002 AG4E1/1

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrate as N	2.9		1	mg/L	10	06/11/2022 7:47 PM	002 BP1U1/1
Nitrate-Nitrite (as N)	2.9		1	mg/L		06/11/2022 7:47 PM	002 BP1U1/1

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrite as N	<0.050		1	mg/L	1	06/11/2022 6:31 PM	002 BP1U1/1

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 06/16/2022 9:40 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	**25.1***		10	ug/L	1	06/17/2022 12:33	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	93%		10	%REC		06/17/2022 12:33	002 AG2R1/2

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 06/14/2022 11:05

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.8	P4	1	ng/L		06/17/2022 10:33	002 BP3T1/2
Perfluoroheptanoic acid	6.4	P4	1	ng/L		06/17/2022 10:33	002 BP3T1/2

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Sample Information:
Type: Drinking Water
Origin: Influent
Special

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1580 Union Tpke.
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Attn To : Michael Leiner

Lab No. : 70217937002
Client Sample ID.: RAW WELL 57A/AOP INF 30'

Federal ID : 2902830
Collected : 06/10/2022 09:50 AM Point RAW WELL 57A
Received : 06/10/2022 03:05 PM Location AOP INF 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Perfluorohexanesulfonic acid	3.8	P4	1	ng/L		06/17/2022 10:33	002 BP3T1/2
Perfluorononanoic acid	6.2	P4	1	ng/L		06/17/2022 10:33	002 BP3T1/2
Perfluorooctanesulfonic acid	**11.6***	P4	1	ng/L	10	06/17/2022 10:33	002 BP3T1/2
Perfluorooctanoic acid	**95.3***	P4	1	ng/L	10	06/17/2022 10:33	002 BP3T1/2
Surr: 13C2-PFDA (S)	82%		1	%REC		06/17/2022 10:33	002 BP3T1/2
Surr: 13C2-PFHxA (S)	84%		1	%REC		06/17/2022 10:33	002 BP3T1/2
Surr: HFPO-DAS (S)	77%		1	%REC		06/17/2022 10:33	002 BP3T1/2

Analytical Method:EPA 552.3 Prep Method: EPA 552.3 Prep Date: 06/14/2022 7:30 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Bromochloroacetic Acid	<0.30		1	ug/L		06/16/2022 4:16 AM	002 AG341/1
Bromodichloroacetic Acid	<0.50	N2	1	ug/L		06/16/2022 4:16 AM	002 AG341/1
Chlorodibromoacetic Acid	<0.30	N2	1	ug/L		06/16/2022 4:16 AM	002 AG341/1
Dibromoacetic Acid	<0.30		1	ug/L		06/16/2022 4:16 AM	002 AG341/1
Dichloroacetic Acid	<0.20		1	ug/L		06/16/2022 4:16 AM	002 AG341/1
Monobromoacetic Acid	<0.30		1	ug/L		06/16/2022 4:16 AM	002 AG341/1
Monochloroacetic Acid	<2.0		1	ug/L		06/16/2022 4:16 AM	002 AG341/1
Tribromoacetic Acid	<2.0	N2	1	ug/L		06/16/2022 4:16 AM	002 AG341/1
Trichloroacetic Acid	<0.50		1	ug/L		06/16/2022 4:16 AM	002 AG341/1
Surr: 2-Bromobutanoic acid (S)	100%		1	%REC		06/16/2022 4:16 AM	002 AG341/1

Analytical Method:SM22 2120B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Apparent Color	<5.0		1	units		06/11/2022 2:29 PM	002 BP1U1/1
pH	6.3		1	Std. Units		06/11/2022 2:29 PM	002 BP1U1/1

Analytical Method:SM22 2150B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Odor @ 60 Degrees C	No odor observed		1		3	06/10/2022 3:53 PM	002 AG2U1/1

Analytical Method:SM22 2320B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Alkalinity, Total as CaCO3	95.2		1	mg/L		06/14/2022 11:27	002 BP1U1/1

Analytical Method:SM22 2330 LSI

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Corrosivity	-1.57		1			06/24/2022 5:13 PM	002 BP3C1/1

Qualifiers:
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Kimberley Mack

Kimberley Mack

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Sample Information:
Type: Drinking Water
Origin: Influent
Special

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

Lab No. : 70217937002
Client Sample ID.: RAW WELL 57A/AOP INF 30'

Federal ID : 2902830
Collected : 06/10/2022 09:50 AM Point RAW WELL 57A
Received : 06/10/2022 03:05 PM Location AOP INF 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Analytical Method:SM22 2540C

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Total Dissolved Solids	312		1	mg/L		06/17/2022 2:36 PM	002 BP1U1/1

Analytical Method:SM22 4500 NH3 H

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrogen, Ammonia	2.5		1	mg/L		06/17/2022 12:36	002 BP1U1/1

Analytical Method:SM22 4500-H+B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Temperature, Water (C)	20.3	H3,H6	1	deg C		06/14/2022 1:09 PM	002 BP1U1/1
pH	6.5	N3,H3,H6	1	Std. Units		06/14/2022 1:09 PM	002 BP1U1/1

Analytical Method:SM22 5540C Prep Method: SM22 5540C Prep Date: 06/11/2022 6:38 PM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
LAS Molecular Weight, g/mol	320		1			06/11/2022 7:04 PM	002 BP1U1/1
MBAS, Calculated as LAS	<0.080		1	mg/L		06/11/2022 7:04 PM	002 BP1U1/1

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
See qualifiers page for additional qualifier definitions.

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

Kimberley Mack

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Laboratory Results

Results for the samples and analytes requested

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Pace

575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
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. : 70217937008
Client Sample ID.: GAC 57A-2 EFF (DOH) 30'

Federal ID : 2902830
Collected : 06/10/2022 12:10 PM Point GAC 57A-2
Received : 06/10/2022 03:05 PM Location EFF DOH 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Analytical Method:ASTM D7237-10

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Cyanide, Free	<10.0		1	ug/L	200	06/21/2022 3:11 PM	008 BP3C1/1

Analytical Method:EPA 180.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Turbidity	<1.0		1	NTU	5	06/11/2022 3:26 PM	008 BP1U1/1

Analytical Method:EPA 200.7

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Ca Hardness as CaCO3 (SM 2340B	75.7		1	mg/L		06/24/2022 2:21 PM	008 BP3N1/1
Calcium	30.3		1	mg/L		06/24/2022 2:21 PM	008 BP3N1/1
Iron	<0.020		1	mg/L	0.3	06/24/2022 2:21 PM	008 BP3N1/1
Magnesium	17.3		1	mg/L		06/24/2022 2:21 PM	008 BP3N1/1
Manganese	0.011		1	mg/L	0.3	06/24/2022 2:21 PM	008 BP3N1/1
Sodium	45.0		1	mg/L		06/24/2022 2:21 PM	008 BP3N1/1
Tot Hardness asCaCO3 (SM 2340B	147	N3	1	mg/L		06/24/2022 2:21 PM	008 BP3N1/1
Zinc	0.067		1	mg/L	5	06/24/2022 2:21 PM	008 BP3N1/1

Analytical Method:EPA 200.8

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Antimony	<0.40		1	ug/L	6	06/22/2022 6:25 PM	008 BP3N1/1
Arsenic	1.5		1	ug/L	10	06/22/2022 6:25 PM	008 BP3N1/1
Barium	0.010		1	mg/L	2	06/22/2022 6:25 PM	008 BP3N1/1
Beryllium	<0.30		1	ug/L	4	06/22/2022 6:25 PM	008 BP3N1/1
Cadmium	<1.0		1	ug/L	5	06/22/2022 6:25 PM	008 BP3N1/1
Chromium	<0.0070	M1	1	mg/L	0.1	06/22/2022 6:25 PM	008 BP3N1/1
Copper	<0.0020		1	mg/L	1.3	06/22/2022 6:25 PM	008 BP3N1/1
Lead	<1.0	M1	1	ug/L	15	06/22/2022 6:25 PM	008 BP3N1/1
Mercury	<0.20	M1	1	ug/L	2	06/22/2022 6:25 PM	008 BP3N1/1
Nickel	0.0060		1	mg/L		06/22/2022 6:25 PM	008 BP3N1/1
Selenium	<2.0		1	ug/L	50	06/22/2022 6:25 PM	008 BP3N1/1
Silver	<0.0010	M1	1	mg/L	0.1	06/22/2022 6:25 PM	008 BP3N1/1
Thallium	<0.30	M1	1	ug/L	2	06/22/2022 6:25 PM	008 BP3N1/1

Analytical Method:EPA 218.7

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:

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Kimberley Mack

Kimberley Mack

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Pace

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TEL: (631) 694-3040 FAX: (631) 420-8436
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. : 70217937008
Client Sample ID.: GAC 57A-2 EFF (DOH) 30'

Federal ID : 2902830
Collected : 06/10/2022 12:10 PM Point GAC 57A-2
Received : 06/10/2022 03:05 PM Location EFF DOH 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Chromium, Hexavalent	<0.12		5	ug/L		06/15/2022 8:43 PM	008 BP3R1/1

Analytical Method:EPA 300.0

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Chloride	98.8		1	mg/L	250	06/22/2022 12:10	008 BP1U1/1
Fluoride	<0.10		1	mg/L	2.2	06/22/2022 12:10	008 BP1U1/1
Sulfate	21.1		1	mg/L	250	06/22/2022 12:10	008 BP1U1/1

Analytical Method:EPA 300.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Chlorite	<10.0	D3,H1	5	ug/L	1000	06/28/2022 11:30	008 AG4E1/1
Surr: Dichloroacetate (S)	105%		5	%REC		06/28/2022 11:30	008 AG4E1/1

Analytical Method:EPA 300.1

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Bromate	<5.0	D3	5	ug/L	10	06/28/2022 11:30	008 AG4E1/1
Chlorate	<10.0		5	ug/L		06/28/2022 11:30	008 AG4E1/1
Surr: Dichloroacetate (S)	105%		5	%REC		06/28/2022 11:30	008 AG4E1/1

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrate as N	0.11		1	mg/L	10	06/11/2022 8:06 PM	008 BP1U1/1
Nitrate-Nitrite (as N)	0.11		1	mg/L		06/11/2022 8:06 PM	008 BP1U1/1

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrite as N	<0.050		1	mg/L	1	06/11/2022 6:39 PM	008 BP1U1/1

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 06/16/2022 9:40 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.030		1	ug/L	1	06/20/2022 2:22 PM	008 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	95%		1	%REC		06/20/2022 2:22 PM	008 AG2R1/2

Analytical Method:EPA 537.1 Prep Method: EPA 537.1 Prep Date: 06/27/2022 11:05

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.8	H2,H1	1	ng/L		06/30/2022 4:51 PM	008 BP3T1/2
Perfluoroheptanoic acid	<1.8	H2,H1	1	ng/L		06/30/2022 4:51 PM	008 BP3T1/2

Qualifiers:
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Kimberley Mack

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Laboratory Results

Results for the samples and analytes requested

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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. : 70217937008
Client Sample ID.: GAC 57A-2 EFF (DOH) 30'

Federal ID : 2902830
Collected : 06/10/2022 12:10 PM Point GAC 57A-2
Received : 06/10/2022 03:05 PM Location EFF DOH 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Perfluorohexanesulfonic acid	<1.8	H2,H1	1	ng/L		06/30/2022 4:51 PM	008 BP3T1/2
Perfluorononanoic acid	<1.8	H2,H1	1	ng/L		06/30/2022 4:51 PM	008 BP3T1/2
Perfluorooctanesulfonic acid	<1.8	H2,H1	1	ng/L	10	06/30/2022 4:51 PM	008 BP3T1/2
Perfluorooctanoic acid	<1.8	H2,H1	1	ng/L	10	06/30/2022 4:51 PM	008 BP3T1/2
Surr: 13C2-PFDA (S)	94%		1	%REC		06/30/2022 4:51 PM	008 BP3T1/2
Surr: 13C2-PFHxA (S)	97%		1	%REC		06/30/2022 4:51 PM	008 BP3T1/2
Surr: HFPO-DAS (S)	93%		1	%REC		06/30/2022 4:51 PM	008 BP3T1/2

Analytical Method:EPA 552.3 Prep Method: EPA 552.3 Prep Date: 06/14/2022 7:30 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Bromochloroacetic Acid	<0.30		1	ug/L		06/16/2022 5:34 AM	008 AG341/1
Bromodichloroacetic Acid	<0.50	N2	1	ug/L		06/16/2022 5:34 AM	008 AG341/1
Chlorodibromoacetic Acid	<0.30	N2	1	ug/L		06/16/2022 5:34 AM	008 AG341/1
Dibromoacetic Acid	<0.30		1	ug/L		06/16/2022 5:34 AM	008 AG341/1
Dichloroacetic Acid	<0.20		1	ug/L		06/16/2022 5:34 AM	008 AG341/1
Monobromoacetic Acid	<0.30		1	ug/L		06/16/2022 5:34 AM	008 AG341/1
Monochloroacetic Acid	<2.0		1	ug/L		06/16/2022 5:34 AM	008 AG341/1
Tribromoacetic Acid	<2.0	N2	1	ug/L		06/16/2022 5:34 AM	008 AG341/1
Trichloroacetic Acid	<0.50		1	ug/L		06/16/2022 5:34 AM	008 AG341/1
Surr: 2-Bromobutanoic acid (S)	99%		1	%REC		06/16/2022 5:34 AM	008 AG341/1

Analytical Method:SM22 2120B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Apparent Color	<5.0		1	units		06/11/2022 2:36 PM	008 BP1U1/1
pH	6.6		1	Std. Units		06/11/2022 2:36 PM	008 BP1U1/1

Analytical Method:SM22 2150B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Odor @ 60 Degrees C	No odor observed		1		3	06/10/2022 3:55 PM	008 AG2U1/1

Analytical Method:SM22 2320B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Alkalinity, Total as CaCO3	95.8		1	mg/L		06/14/2022 11:53	008 BP1U1/1

Analytical Method:SM22 2330 LSI

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Corrosivity	-1.43		1			06/24/2022 5:13 PM	008 BP3C1/1

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Kimberley Mack

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Pace

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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. : 70217937008
Client Sample ID.: GAC 57A-2 EFF (DOH) 30'

Federal ID : 2902830
Collected : 06/10/2022 12:10 PM Point GAC 57A-2
Received : 06/10/2022 03:05 PM Location EFF DOH 30'
Collected By H2M

Sample Comments:
RUN TO WASTE
30 MIN

Analytical Method:SM22 2540C

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Total Dissolved Solids	222		1	mg/L		06/17/2022 2:36 PM	008 BP1U1/1

Analytical Method:SM22 4500 NH3 H

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrogen, Ammonia	2.7		1	mg/L		06/17/2022 12:40	008 BP1U1/1

Analytical Method:SM22 4500-H+B

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Temperature, Water (C)	20.8	H3,H6	1	deg C		06/14/2022 1:21 PM	008 BP1U1/1
pH	6.6	N3,H3,H6	1	Std. Units		06/14/2022 1:21 PM	008 BP1U1/1

Analytical Method:SM22 5540C Prep Method: SM22 5540C Prep Date: 06/11/2022 6:41 PM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
LAS Molecular Weight, g/mol	320		1			06/11/2022 7:07 PM	008 BP1U1/1
MBAS, Calculated as LAS	<0.080		1	mg/L		06/11/2022 7:07 PM	008 BP1U1/1

Qualifiers:
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Sample Information:
Type: Drinking Water
Origin: Influent
Special

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

Lab No. : 70233820001
Client Sample ID.: AOP INFLUENT
WELL 57A

Federal ID : 2902830
Collected : 10/19/2022 02:45 PM Point AOP INFLUENT
Received : 10/19/2022 04:30 PM Location
Collected By H2M

Sample Comments:
Samples were received on the same day of collection not on ice and are above 6 degrees Celcius. Samples were placed on ice by the lab and the cooling process has begun.

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 10/25/2022 9:38 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	**19.7***		10	ug/L	1	10/27/2022 12:24	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	96%		10	%REC		10/27/2022 12:24	001 AG2R1/2

Qualifiers:
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Jennifer Aracri

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Sample Information:
Type: Drinking Water
Origin: Effluent
Special

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1580 Union Tpke.
New Hyde Park, NY 11040
Attn To : Michael Leiner

Lab No. : 70233820002
Client Sample ID.: AOP EFFLUENT
WELL 57A

Federal ID : 2902830
Collected : 10/19/2022 02:45 PM Point AOP EFFLUENT
Received : 10/19/2022 04:30 PM Location
Collected By H2M

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 10/25/2022 9:38 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	<0.020		1	ug/L	1	10/26/2022 8:39 PM	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	91%		1	%REC		10/26/2022 8:39 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.
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