April 7, 2023

Port Washington Water District PWS ID No. NY2912267 MCL Deferral for 1,4-Dioxane Quarterly Report – First Quarter 2023

Introduction

On behalf of the Port Washington Water District (PWWD or District), D&B Engineers and Architects (D&B) has prepared this document in accordance with the requirements of the New York State Department of Health (NYSDOH) for public water suppliers who have been granted deferrals from maximum contaminant level (MCL) violations for 1,4-dioxane. The District was granted an MCL deferral for 1,4-dioxane in 2020. The District was granted a deferral because it has been proactive in its efforts to establish and implement an action plan for managing the above-referenced compound.

While very effort has been made to shorten the initial duration of each project, circumstances beyond the District's control impacting contractors and water suppliers, locally and nationwide, have made the District's goal of completing work ahead of schedule impossible. The last three years have been a time of unprecedented disruption in the supply chain of chemical supplies, equipment, infrastructure components, pipe and materials (e.g., steel), and treatment systems. Shortages of necessary items have significantly impacted the District, primarily in terms of price increases, decreased availability, and longer lead times.

In addition, due to the rapidly changing regulatory environment through an expanded list of contaminants with lower regulatory advisory levels or MCLs, local and state regulators are experiencing a large number of capital project submissions, in addition to their regular workload. This increased workload has led to longer regulatory review times of engineering reports, detailed design plans, and specifications. In many cases, these factors have caused delays in obtaining final regulatory approval, commencing construction, procuring equipment and necessary components, and conforming to proposed construction schedules.

The District has done everything within its power to adhere to the project schedules approved in the original deferral request, as described in the previous quarterly deferral reports. Each of the three required treatment projects had initial schedules that extended beyond the initial 24-month deferral period, due to necessary steps required to complete the design, permitting, bidding, construction, and startup testing. In addition, the Morley Park Station project required obtaining property through the parkland alienation process in order to accommodate the new treatment building. The full impact of supply chain issues and delays was not known at the time of the original compliance deferrals and due to these regulatory changes, these delays were expected to become worse before improving because of increased national demand. Recognizing these exceptional circumstances, the District requested and received a 12-month deferral renewal which extended the MCL compliance deadline to August 25, 2023.

The District's goal, as always, is to provide an adequate supply of potable water to its consumers and it has done everything in its ability to move forward on the treatment projects to further that goal and meet consumer demands. These impacts of the last three years are expected to continue for the foreseeable future and will most likely affect the ability of the District to conform to the project schedules outlined in the original deferral request, even with the initial deferral renewal. As such, in light of the on-going conditions of supply chain issues and regulatory delays, the District is preparing to submit a request to the NYSDOH for a 12-month deferral renewal which would end on August 25, 2024, to allow additional time consideration needed to bring all the projects to a substantially completed status.

The enclosed is a report describing the PWWD's progress towards maintaining the highest quality of water for our customers. Updated schedules for each project are contained in **Attachment A**.

Corrective Action Plan Milestones

Hewlett Station Well 4

Construction of the new building, including installation of the advanced oxidation process (AOP) treatment system to be used for the removal of 1,4-dioxane, is complete and ready for startup testing. The new booster pump building is complete, the associated pump system has been installed, and is also ready for startup. In addition, the granular activated carbon (GAC) vessels have been rehabilitated and filled with new carbon media.

As noted in the last quarterly report and in the Introduction of this report, obtaining regulatory approval took longer than initially anticipated and, in conjunction with the continued supply chain issues, the schedule of the project has been delayed. The construction is scheduled to be substantially completed this spring, though it is possible that the plant will not be in service until the summer of 2023, due to required startup and testing.

Although it has been granted a deferral renewal, the PWWD was able to implement conservation requirements and make operational changes to minimize the usage of this well to the greatest extent practicable this quarter.

Christopher Morley Park Station Wells 8, 9, and 11

The general, electrical, and plumbing construction contracts for the project were executed on June 10, 2022. Construction has been on-going. The new building foundation for the GAC section of

the structure has been completed and the new GAC vessels were recently delivered. As noted in the Introduction, obtaining regulatory approval took longer than initially anticipated and, in conjunction with the continued supply chain issues, the schedule of the project was delayed. The construction is scheduled to be substantially completed in the spring of 2024.

As stated previously, only one of the three wells (Well 9) at the Station has previously exhibited an MCL violation for 1,4-dioxane. Although a deferral renewal has been granted, the District will continue to implement conservation requirements and operational changes to ensure the use of Well 9 is avoided or minimized to the greatest extent practicable.

Stonytown Station Well 10

The project is currently in the permitting and pre-construction phase. The general, electrical, and plumbing construction contracts were executed and the Notices to Proceed were issued to contractors in February 2023. Demolition and removals, followed by the excavation necessary for the new treatment building foundation, is expected to begin onsite in April 2023. As described in previous quarterly reports, the scope of this project had to be adjusted to include treatment for nitrate removal. The District is responding to review comments on the plans and specifications from the NYSDOH and NCDH that were received in this quarter. It is anticipated that the facility will be operational by the second quarter of 2024.

Although a deferral renewal has been granted, the District continued to implement conservation requirements and operational changes to ensure the use of Stonytown Well 10 was either minimized or avoided to the greatest extent possible.

Public Notification

In accordance with the terms of the deferral, the PWWD has maintained an open line of communication with the public regarding its deferral. The deferral public notification documentation is still featured prominently on the District website, as are previous quarterly reports.

Analytical Sampling

Sample results for the wells for which deferrals were granted (Christopher Morley Park Wells 8, 9, and 11, and Stonytown Well 10), taken during the first quarter of 2023, are listed in the below table. Hewlett Well 4 was not sampled this quarter as the well was out of service while treatment was being installed. Full laboratory reports for each sample are contained in **Attachment B**.

W/all		Date								
wen	January 2023	February 2023	March 2023							
Hewlett Well 4 ¹ (N-2052)	NS	NS	NS							
Christopher Morley Park Well 8 (N-7551)	0.57	NS	NS							
Christopher Morley Park Well 9 (N-7552)	9.1	12.9	NS							
Christopher Morley Park Well 11 (N-13510)	0.22	NS	NS							
Stonytown Well 10 (N-9809)	0.81	0.80	0.81							

1,4-Dioxane (parts per billion, ppb)

NS - Not Sampled

¹Well 4 was not sampled in this quarter as it was out of service for the installation of treatment.

Conclusion

As demonstrated above, the Port Washington Water District is actively working to preserve the quality of water for its customers and comply with the requirements put forth by the NYSDOH. The District looks forward to continuing to work towards completion of its treatment facilities. Should you have any questions, please contact the District at 516-767-0171 or visit the website at www.pwwd.org.

Very truly yours,

Board of Commissioners Port Washington Water District

Enclosures

cc: K. Wheeler (NYSDOH) B. Rogers (NYSDOH) W. Provoncha (NCDH) P. Young (NCDH) R. Putnam (NCDH) P. Prignano (PWWD) T. Vacchio (PWWD) W. Merklin (D&B) M. Savarese (D&B) L. Ortiz (D&B) P. Connell (D&B)

ATTACHMENT A

Project Schedules Associated with MCL Deferral





Port Washington Water District MCL Deferral Quarterly Report - Q1 2023	Stonyto AOP F	wn S Proje	tation ect Sch	n Well ´ nedule	10							
Task Name	2022		Otr 2	Otr	2	Otr 4	2023	tr 2	Otr 2	Otr 4	2024 Otr 1	Otr 2
Design (Complete)	Quii			Qu	5	<u></u> Qti 4	Qui	<u>u 2</u>			Qui	Quz
Permitting (Complete)												
Adjust Design for the Addition of Nitrate Treatment (Complete)												
Additional Permitting (In Progress)		•										
Bidding and Construction (In Progress)						+						
Startup and Testing												
Plant is Operational												+

ATTACHMENT B

Water Quality Data



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

Client Sample ID.: N-09809

Lab No. : 70242591001

Type: Drinking Water Origin: Raw Well Routine

www.pacelabs.com Port Washington W.D. P.O. BOX 432

Port Washington, NY 11050 Attn To: Supt.Tal Vacchio

0040007

Federal ID :	2912267		
Collected :	01/09/2023 08:25 A	M Point	N-09809
Received :	01/09/2023 12:40 P	M Location	Stoneyto
Collected By	CLIENT		Flwr Hl

TEL: (631) 694-3040 FAX: (631) 420-8436

eytown 10

HI

Analytical Method:EPA 353.2							
Parameter(s)	Results	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
Nitrate as N	4.9		5	mg/L	10	01/09/2023 11:01	001 BP4U1/1
Nitrate-Nitrite (as N)	4.9		5	mg/L		01/09/2023 11:01	001 BP4U1/1
Analytical Method:EPA 353.2							
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
Nitrite as N	<0.050		1	mg/L	1	01/09/2023 8:37 PM	001 BP4U1/1
Analytical Method:EPA 522		Prep Method:	EPA 522		Prep Date	01/10/2023 1:49 PM	
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.81		1	ug/L	1	01/10/2023 8:50 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	108%		1	%REC		01/10/2023 8:50 PM	001 AG2R1/2
Analytical Method:EPA 524.2							

Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,1-Dichloroethane	0.70		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Benzene	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2

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.

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



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

Client Sample ID.: N-09809

Lab No. : 70242591001

Type: Drinking Water Origin: Raw Well Routine

www.pacelabs.com
Port Washington W.D.

TEL: (631) 694-3040 FAX: (631) 420-8436

P.O. BOX 432

Port Washington, NY 11050

Attn To: Supt.Tal Vacchio

Federal ID: 2912267

Collected :	01/09/2023 08:25 AM	Point	N-09809
Received :	01/09/2023 12:40 PM	Location	Stoneytown 10
Collected Bv	CLIENT		Flwr Hl

Bromochloromethane	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Bromodichloromethane	<0.50	1	ug/L		01/12/2023 2:38 PM	001 VG9C1/2
Bromoform	<0.50	1	ug/L		01/12/2023 2:38 PM	001 VG9C1/2
Bromomethane	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Carbon tetrachloride	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Chlorobenzene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Chlorodifluoromethane	<0.50	N3 1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Chloroethane	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Chloroform	<0.50	1	ug/L		01/12/2023 2:38 PM	001 VG9C1/2
Chloromethane	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Dibromochloromethane	<0.50	1	ug/L		01/12/2023 2:38 PM	001 VG9C1/2
Dibromomethane	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Dichlorodifluoromethane	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Ethylbenzene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Hexachloro-1,3-butadiene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Isopropylbenzene (Cumene)	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Methyl-tert-butyl ether	<0.50	1	ug/L	10	01/12/2023 2:38 PM	001 VG9C1/2
Methylene Chloride	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Styrene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Tetrachloroethene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Toluene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Total Trihalomethanes (Calc.)	<0.50	1	ug/L	80	01/12/2023 2:38 PM	001 VG9C1/2
Trichloroethene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Trichlorofluoromethane	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Vinyl chloride	<0.50	1	ug/L	2	01/12/2023 2:38 PM	001 VG9C1/2
cis-1,2-Dichloroethene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
cis-1,3-Dichloropropene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
m&p-Xylene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
n-Butylbenzene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
n-Propylbenzene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
o-Xylene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
p-Isopropyltoluene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
sec-Butylbenzene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
tert-Butylbenzene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
trans-1,2-Dichloroethene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
trans-1,3-Dichloropropene	<0.50	1	ug/L	5	01/12/2023 2:38 PM	001 VG9C1/2
Surr: 1,2-Dichlorobenzene-d4 (S)	97%	1	%REC		01/12/2023 2:38 PM	001 VG9C1/2
Surr: 4-Bromofluorobenzene (S)	89%	1	%REC		01/12/2023 2:38 PM	001 VG9C1/2

Analytical Method: EPA 533	ļ	Prep Method: EPA 533			Prep Date: 01/13/2023 1:15 AM			
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:	
11CI-PF3OUdS	<1.8		1	ng/L		01/15/2023 3:46 AM	001 BP351/2	
4:2 FTS	<1.8		1	ng/L		01/15/2023 3:46 AM	001 BP351/2	
Qualifiers:					1	1 0		

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.

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Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.



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

Client Sample ID.: N-09809

Lab No. : 70242591001

Type: Drinking Water Origin: Raw Well Routine

www.pacelabs.com Port Washington W.D.

TEL: (631) 694-3040 FAX: (631) 420-8436

P.O. BOX 432

Port Washington, NY 11050

Attn To: Supt.Tal Vacchio

Federal ID : 2912267

N-09809 Collected : 01/09/2023 08:25 AM Point Received : 01/09/2023 12:40 PM Location Stoneytown 10 Collected By CLIENT Flwr HI

6:2 FTS	<3.6	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
8:2 FTS	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
9CI-PF3ONS	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
ADONA	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
HFPO-DA	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
NFDHA	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
PFBA	2.5	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
PFEESA	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
PFHpS	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
PFMBA	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
PFMPA	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
PFPeA	3.1	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
PFPeS	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
Perfluorobutanesulfonic acid	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
Perfluorodecanoic acid	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
Perfluorododecanoic acid	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
Perfluoroheptanoic acid	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
Perfluorohexanesulfonic acid	3.4	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
Perfluorohexanoic acid	3.1	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
Perfluorononanoic acid	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
Perfluorooctanesulfonic acid	<1.8	1	ng/L	10	01/15/2023 3:46 AM	001 BP351/2
Perfluorooctanoic acid	4.7	1	ng/L	10	01/15/2023 3:46 AM	001 BP351/2
Perfluoroundecanoic acid	<1.8	1	ng/L		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C2-PFDoA (S)	68%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C24:2FTS (S)	107%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C26:2FTS (S)	104%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C28:2FTS (S)	100%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C3-PFBS (S)	83%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C3-PFHxS (S)	85%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C3HFPO-DA(S)	62%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C4-PFBA (S)	72%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C4-PFHpA (S)	70%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C5-PFHxA (S)	69%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C5-PFPeA (S)	67%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C6-PFDA (S)	73%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C7-PFUdA (S)	72%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C8-PFOA (S)	72%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C8-PFOS (S)	85%	1	%REC		01/15/2023 3:46 AM	001 BP351/2
Surr: 13C9-PFNA (S)	74%	1	%REC		01/15/2023 3:46 AM	001 BP351/2

Analytical Method: SM22 9223B Colilert Prep Method: SM22 9223B Colilert Prep Date: 01/09/2023 5:21 PM Parameter(s) Results <u>Qualifier</u> <u>D.F.</u> <u>Units</u> <u>Limit</u> Analyzed: Container: Absent 01/10/2023 11:21 001 SP5T1/1 E.coli Absent 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.

page 3 of 16

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

Frace 575 Broad TEL: (631)	Hollow Road, Melville, NY 1174 694-3040 FAX: (631) 420-84: www.pacelab	 The 36 s.com	Laboratory Re Results for the samples and anal a lab is not directly responsible for the integreecipt at the lab and is responsible only	esults ytes requested rity of the sample before or the certified tests	<u>S</u> Type: Origin:	ample Information: Drinking Water Raw Well Routine
Port Washing	ton W.D.		Lab No	: 70242591001		
P.O. BOX 432			Client Sample ID	.: N-09809		
Port Washing	ton, NY 11050					
Attn To : Sup	.Tal Vacchio					
Federal ID :	2912267					
Collected :	01/09/2023 08:25 AM	Point	N-09809			
Received :	01/09/2023 12:40 PM	Location	Stoneytown 10			
Collected By	CLIENT		Flwr Hl			
Total Coliforms	Ab	sent	1	Absent	01/10/2023 11:21	001 SP5T1/1

Qualifiers:

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting

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.

page 4 of 16

Jennifer Aracri

Test results meet the requirements of NELAC

without the written approval of the laboratory.

This report shall not be reproduced except in full,

unless otherwise noted.

Sample Information:

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.

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

WorkOrder :

70242591

Laboratory Certifications

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174 Alaska DEC- CS/UST/LUST Alabama Certification #: 41320 Colorado Certification: FL NELAC Reciprocity Connecticut Certification #: PH-0216 Delaware Certification: FL NELAC Reciprocity Florida Certification #: E83079 Georgia Certification #: 955 Guam Certification: FL NELAC Reciprocity Hawaii Certification: FL NELAC Reciprocity Illinois Certification #: 200068 Indiana Certification: FL NELAC Reciprocity Kansas Certification #: E-10383 Kentucky Certification #: 90050 Louisiana Certification #: FL NELAC Reciprocity Louisiana Environmental Certificate #: 05007 Maine Certification #: FL01264 Maryland Certification: #346 Massachusetts Certification #: M-FL1264 Michigan Certification #: 9911 Mississippi Certification: FL NELAC Reciprocity Missouri Certification #: 236 Montana Certification #: Cert 0074 Nebraska Certification: NE-OS-28-14 New Hampshire Certification #: 2958 New Jersey Certification #: FL022 New York Certification #: 11608 North Carolina Environmental Certificate #: 667 North Carolina Certification #: 12710 North Dakota Certification #: R-216 Ohio DEP 87780 Oklahoma Certification #: D9947 Pennsylvania Certification #: 68-00547 Puerto Rico Certification #: FL01264 South Carolina Certification: #96042001 Tennessee Certification #: TN02974 Texas Certification: FL NELAC Reciprocity US Virgin Islands Certification: FL NELAC Reciprocity Virginia Environmental Certification #: 460165 West Virginia Certification #: 9962C Wisconsin Certification #: 399079670 Wyoming (EPA Region 8): FL NELAC Reciprocity

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

WorkOrder :

70242591

Laboratory Certifications

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208 Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340 Virginia Certification # 460302

e

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

WorkOrder :

70242591

Additional Qualifiers

N3 - Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

WO#:70242591 WO#:70242591 WO: Yo242591 Client Info: Name or Code: Italo J. Vacchio, Superintendent					Date:		10000000000000000000000000000000000000	Form LIER	Col. 119/23 1500		
	Name or Code: Italo J. Vacchio, Superintendent Address: Port Washington Water District P.O. Box 432 Phone #: 38 Sandy Hollow Road Attn: Port Washington, NY 11:050 Proj. # or (Name):				Cooler Temp: <u>2.2</u> Sample Types PW - Potable Water GW - Groundwater SW - Surface Water WW - Waste Water AQ - Aqueous S - Soil			ine mple ial	Origin Treatment Types D - Distribution RW - Raw Well TW - Treated Well T - Tank MW - Monitoring Well I - Influent E - Effluent		
page	Date/Time Collected:	Sample Type	Location	Orlgin	Treatment Type	Purpose	Field Readings		Analysis	Lab No.	
15 of 16	1/9/23 0815	GW	Stonytown 10 N-09809	RW	0	RC	~		BAC, POC: Nitrate Dioxenc, method 533		
	19/23	GW	Stanytown 10 GAC-09809	TW	GAC	RO			BAC Series, POC, Nitrate Dioxane, Method 533		

		1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	,		

Remarks:

/ Pace Analytical	Clinet	1		s	Dep	10#:70	242591	
	Llient		n		Pro -	M: JSA	Due Date: 01	/10/00
Courier: Fed Ex UPS USPS Client	Comm	nercial (Place Dth	er	gen C	LIENT: PWW	Due Date: U.	./ 10/ 23
Tracking #:								
Custody Seal on Cooler/Box Present: 🕅	es 🗌 No	Seals	intact: 🖪 Ye	IS No 🗌	N/A	imporatore	DIOTINE TEGORIE	
Packing Material: 🗌 Bubble Wrap 🔲 Bubble	e Bags 📋	JZiploc	■fone □Ot	her		Type of Ice: 🍊	WEP Blue None	34
Thermometer Used: TH148	Correct	tion Fact	or: <u>+ (), (</u>			Samples on ice	, cooling process has b	zgun
Cooler Temperature [°C]: 2.2	Cooler	Tempera	ture Correct	ed(°C):	2.3	Date/Time 503	55A kits placed in free	zer
Temp should be above freezing to 6.0°C				2				1/9/23
USDA Regulated Soil [DIVA water sample	e)			∽Date añd	Initials of	person examining	contents: I . I	1500
Did samples originate in a quarantine zone w	ithin the L	Inited Sta	ites: AL, AR, CA	, FL, GA, ID, L	A, MS, NC,	Did samples or	gnate from a foreign so	ource
NM, NY, OK, OR, SC, TN, TX, or VA (check map)?	Ye 🗆 Ye	s 🗆 No				including Hawa	ii and Puerto Rico]?	Yes 🖾 No
If Yes to either question, fill out a Regulat	ed Soil Ch	necklist (F-LI-C-010) a	nd include	with SCUR	/COC paperwork_		× ×
						COMMEN	ITS:	
Chain of Custody Present:	OYEs	۵No	а. 	1.		N		
Chain of Custody Filled Out:	DYes	ENO		2PFAS	FOS'S N	ot on col		
Chain of Custody Relinguished:	⊠Yes	ωNo		3.			/	
Sampler Name & Signature on COC:	OYes	ΩNo	DN/A	4.				
Samples Arrived within Hold Time:	Yes	DNo		5.		14		
Short Hold Time Analysis (<72hr):	ElYes	⊡No		6.		-01	.*	-
Rush Turn Around Time Requested:	⊡Yes	DNo		7.	*			
Sufficient Volume: (Triple volume provided for	10Yes	DNo		8.				
Correct Containers Used:	P Yes	۵No		9.				
-Pace Containers Used:	₽¥es	⊡Ņo						
Containers Intact:	Pres	۵No	2	10.				
Filtered volume received for Dissolved tests	⊡Yes	⊡No	DH/A	11.	Note if se	diment is visible in th	ne dissolved.container.	•
Sample Labels match COC:	ElYes	DNo	¥. 8	12			* *	*
-Includes date/time/ID, Matrix: SL/WT	QIL ·	<u> </u>			-			÷
All containers needing preservation have been	n 🗆 Yes	No	DN/A	13.	\Box HNO_3	\Box H ₂ SO ₄ \Box	Naoh 🗆 HCl	4 N. 18
checked?	· ·				10 P		-21	
All containers needing pressoration are found	to ho			Samole #	(w)		i.	
in compliance with method recommendation	2			oompic #				1
[HNO ₃ , H ₂ SO ₄ HCL NaOH>9 Sulfide	⊡Yes	ΠNo	DN/A					
NAOH>12 Cyanide)	1.00	0.00	T					-
Exceptions: VOA Coliform TOC/DOC Oil and G	rease		<u>k</u> .					
DRO/8015 [water]			54	Initial when	completed	Lot # of added	Date/Time pres	ervative
Per Method, VOA pH is checked after analysis	March 1		38°.			preservative:	added:	
Samples checked for dechlorination:	D Yes	DNo	DN/A V	14.				
KI starch test strips Lot #			- /	2.0	8	*)	х	
Residual chlorine strips Lot #				- Pc	ositive for F	Res. Chlorine? Y N		
SM 4500 CN samples checked for sulfide?	⊡Yës	⊡No	A/NA	15.			15	
Lead Acetate Strips Lot #				Po	ositive for S	ulfide? Y N	•	
Headspace in VOA Vials (>6mm):	DYes	ENO	DN/A	16.				
Inp Blank Present:	⊡Yes	ØNo	ON/A	17				
Pace Trip Blank Lot # (if annlicable)	⊡Yes	ΟNo	N/A					
Client Notification / Passingtion-				Field Nata D	enuired?	v /	M	<u> </u>
Person Contacted					late/Time-	i /	1 X	
Comments/ Resolution:								
						*:		

- PM (Project Manager) review is documented electronically in LIMS.

ENV-FRM-MELV-0024 01



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

Client Sample ID.: N-07551

Lab No. : 70243450001

Type: Drinking Water Origin: Raw Well Routine

www.pacelabs.com Port Washington W.D.

P.O. BOX 432

Port Washington, NY 11050

Attn To: Supt.Tal Vacchio

Federal ID : 2912267 Collected : 01/17/2023 09:28 AM Point Received : 01/17/2023 12:17 PM Collected By CLIENT

TEL: (516) 370-6000 FAX: (516) 886-5526

Location Morley Pk 8

N-07551

No HIs

Analytical Method: EPA 353.2							
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
Nitrate as N	4.0		5	mg/L	10	01/17/2023 11:27	001 BP4U1/1
Nitrate-Nitrite (as N)	4.0		5	mg/L		01/17/2023 11:27	001 BP4U1/1
Analytical Method:EPA 353.2							
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
vitrite as N	<0.050		1	mg/L	1	01/17/2023 9:02 PM	001 BP4U1/1
Analytical Method:EPA 522		Prep Method:	EPA 522		Prep Date	E 01/18/2023 1:30 PM	
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
I,4-Dioxane (p-Dioxane)	0.57		1	ug/L	1	01/18/2023 10:33	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	86%		1	%REC		01/18/2023 10:33	001 AG2R1/2
Analytical Method:EPA 524.2							
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
I,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
I,1,1-Trichloroethane	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3,L1	1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
I,1-Dichloroethane	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
I,1-Dichloroethene	0.66	D6	1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
I,1-Dichloropropene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
I,2,3-Trichlorobenzene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
1.2.3-Trichloropropane	<0.50		1	ua/l	5	01/20/2023 8:35 PM	001 VG9C1/2

ug/L

1

1

1

1

1

1

1

1

1

1

1

1

1

1

Qualifiers:

Benzene

1,2,4-Trichlorobenzene

1,2,4-Trimethylbenzene

1,2-Dichlorobenzene

1,2-Dichloropropane

1,3-Dichlorobenzene

1,3-Dichloropropane

1,4-Dichlorobenzene

2,2-Dichloropropane

2-Chlorotoluene

4-Chlorotoluene

Bromobenzene

1,3,5-Trimethylbenzene

1.2-Dichloroethane

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.

< 0.50

< 0.50

< 0.50

< 0.50

< 0.50

< 0.50

< 0.50

<0.50

< 0.50

< 0.50

< 0.50

< 0.50

< 0.50

<0.50

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.

page 1 of 12

5

5

5

5

5

5

5

5

5

5

5

5

5

5

01/20/2023 8:35 PM

001 VG9C1/2

001 VG9C1/2

001 VG9C1/2 001 VG9C1/2

001 VG9C1/2

001 VG9C1/2

001 VG9C1/2

001 VG9C1/2

001 VG9C1/2

001 VG9C1/2

001 VG9C1/2

001 VG9C1/2

001 VG9C1/2

001 VG9C1/2

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



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

Client Sample ID.: N-07551

Lab No. : 70243450001

Type: Drinking Water Origin: Raw Well Routine

Port Washington W.D.

P.O. BOX 432

Port Washington, NY 11050

TEL: (516) 370-6000 FAX: (516) 886-5526

Attn To: Supt.Tal Vacchio

Federal ID: 2912267

Collected :	01/17/2023 09:28 AM	Point	N-07551
Received :	01/17/2023 12:17 PM	Location	Morley Pk 8
Collected By	CLIENT		No HIs

www.pacelabs.com

Bromochloromethane	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		01/20/2023 8:35 PM	001 VG9C1/2
Bromoform	<0.50		1	ug/L		01/20/2023 8:35 PM	001 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Chlorodifluoromethane	<0.50	N3,L1	1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Chloroform	0.73		1	ug/L		01/20/2023 8:35 PM	001 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Dibromochloromethane	<0.50		1	ug/L		01/20/2023 8:35 PM	001 VG9C1/2
Dibromomethane	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Dichlorodifluoromethane	<0.50	L2	1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Ethylbenzene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Hexachloro-1,3-butadiene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Isopropylbenzene (Cumene)	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Methyl-tert-butyl ether	<0.50		1	ug/L	10	01/20/2023 8:35 PM	001 VG9C1/2
Methylene Chloride	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Styrene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Tetrachloroethene	14.5*		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Toluene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Total Trihalomethanes (Calc.)	0.73		1	ug/L	80	01/20/2023 8:35 PM	001 VG9C1/2
Trichloroethene	0.77		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Trichlorofluoromethane	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Vinyl chloride	<0.50		1	ug/L	2	01/20/2023 8:35 PM	001 VG9C1/2
cis-1,2-Dichloroethene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
cis-1,3-Dichloropropene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
m&p-Xylene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
n-Butylbenzene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
n-Propylbenzene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
o-Xylene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
p-Isopropyltoluene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
sec-Butylbenzene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
tert-Butylbenzene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
trans-1,2-Dichloroethene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
trans-1,3-Dichloropropene	<0.50		1	ug/L	5	01/20/2023 8:35 PM	001 VG9C1/2
Surr: 1,2-Dichlorobenzene-d4 (S)	98%		1	%REC		01/20/2023 8:35 PM	001 VG9C1/2
Surr: 4-Bromofluorobenzene (S)	84%		1	%REC		01/20/2023 8:35 PM	001 VG9C1/2

Analytical Method: EPA 533	<u> </u>	Prep Method:	EPA 533	i.	Prep Date	£ 01/19/2023 9:25 PM	
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
11CI-PF3OUdS	<1.8		1	ng/L		01/21/2023 5:28 AM	001 BP351/2
4:2 FTS	<1.8		1	ng/L		01/21/2023 5:28 AM	001 BP351/2
Qualifiers:						1 0	

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.

page 2 of 12

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



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

Client Sample ID.: N-07551

Lab No. : 70243450001

Type: Drinking Water Origin: Raw Well Routine

www.pacelabs.com Port Washington W.D. P.O. BOX 432

TEL: (516) 370-6000 FAX: (516) 886-5526

Port Washington, NY 11050

Attn To : Supt.Tal Vacchio

Federal ID : 2912267

Collected :	01/17/2023 09:28 AM	Point	N-07551
Received :	01/17/2023 12:17 PM	Location	Morley Pk 8
Collected By	CLIENT		No HIs

6:2 FTS	<3.6	L1 1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
8:2 FTS	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
9CI-PF3ONS	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
ADONA	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
HFPO-DA	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
NFDHA	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
PFBA	3.4	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
PFEESA	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
PFHpS	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
PFMBA	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
PFMPA	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
PFPeA	4.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
PFPeS	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
Perfluorobutanesulfonic acid	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
Perfluorodecanoic acid	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
Perfluorododecanoic acid	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
Perfluoroheptanoic acid	3.1	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
Perfluorohexanesulfonic acid	4.3	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
Perfluorohexanoic acid	4.1	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
Perfluorononanoic acid	3.0	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
Perfluorooctanesulfonic acid	4.9	1	ng/L	10	01/21/2023 5:28 AM	001 BP351/2	
Perfluorooctanoic acid	9.5	1	ng/L	10	01/21/2023 5:28 AM	001 BP351/2	
Perfluoroundecanoic acid	<1.8	1	ng/L		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C2-PFDoA (S)	62%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C24:2FTS (S)	112%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C26:2FTS (S)	117%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C28:2FTS (S)	101%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C3-PFBS (S)	87%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C3-PFHxS (S)	89%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C3HFPO-DA(S)	60%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C4-PFBA (S)	76%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C4-PFHpA (S)	66%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C5-PFHxA (S)	68%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C5-PFPeA (S)	66%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C6-PFDA (S)	61%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C7-PFUdA (S)	61%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C8-PFOA (S)	69%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C8-PFOS (S)	88%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
Surr: 13C9-PFNA (S)	64%	1	%REC		01/21/2023 5:28 AM	001 BP351/2	
							_

Prep Method: SM22 9223B Colilert Analytical Method: SM22 9223B Colilert Prep Date: 01/17/2023 6:05 PM Parameter(s) <u>D.F.</u> **Results Qualifier** <u>Units</u> <u>Limit</u> Analyzed: Container: Absent 01/18/2023 12:05 001 SP5T1/1 E.coli Absent 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.

page 3 of 12

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

Frace 575 Broad TEL: (516)	Hollow Road, Melville, NY 1174 370-6000 FAX: (516) 886-552 www.pacelabs	 7 6 5.com	Laborate Results for the sampl a lab is not directly responsible receipt at the lab and is resp	es and analytes requested e for the integrity of the sample be ponsible only for the certified tests	efore	<u>S</u> i Type: Origin:	ample Information: Drinking Water Raw Well Routine
Port Washing	ton W.D.			Lab No. : 702434500	001		
P.O. BOX 432			Client S	ample ID.: N-07551			
Port Washing	ton, NY 11050						
Attn To : Supt	Tal Vacchio						
Federal ID :	2912267						
Collected :	01/17/2023 09:28 AM	Point	N-07551				
Received :	01/17/2023 12:17 PM	Location	Morley Pk 8				
Collected By	CLIENT		No HIs				
Total Coliforms	Abs	ent	1		Absent	01/18/2023 12:05	001 SP5T1/1

Qualifiers:

- ND Not Detected at or above adjusted reporting limit.
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting
- 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.

page 4 of 12

Sample Information:

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

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.



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

Lab No. : 70243450002

Client Sample ID.: N-07551 FB

Type: Drinking Water Origin: Other Routine

TEL: (516) 370-6000 FAX: (516) 886-5526 www.pacelabs.com

Port Washington W.D. P.O. BOX 432 Port Washington, NY 11050

Attn To : Supt.Tal VacchioFederal ID :2912267Collected :01/17/2023 09:28 AMPointN-07551 FBReceived :01/17/2023 12:17 PMLocationCollected ByCLIENT

Analytical Method:EPA 533		Prep Method:	EPA 533		Prep Date	: 01/19/2023 9:25 PM	
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
11CI-PF3OUdS	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
4:2 FTS	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
6:2 FTS	<3.5	L1	1	ng/L		01/21/2023 6:02 AM	002 BP351/1
8:2 FTS	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
9CI-PF3ONS	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
ADONA	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
HFPO-DA	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
NFDHA	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
PFBA	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
PFEESA	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
PFHpS	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
PFMBA	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
PFMPA	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
PFPeA	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
PFPeS	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
Perfluorobutanesulfonic acid	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
Perfluorodecanoic acid	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
Perfluorododecanoic acid	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
Perfluoroheptanoic acid	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
Perfluorohexanesulfonic acid	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
Perfluorohexanoic acid	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
Perfluorononanoic acid	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
Perfluorooctanesulfonic acid	<1.8		1	ng/L	10	01/21/2023 6:02 AM	002 BP351/1
Perfluorooctanoic acid	<1.8		1	ng/L	10	01/21/2023 6:02 AM	002 BP351/1
Perfluoroundecanoic acid	<1.8		1	ng/L		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C2-PFDoA (S)	71%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C24:2FTS (S)	98%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C26:2FTS (S)	120%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C28:2FTS (S)	107%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C3-PFBS (S)	90%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C3-PFHxS (S)	93%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C3HFPO-DA(S)	63%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C4-PFBA (S)	80%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C4-PFHpA (S)	73%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C5-PFHxA (S)	74%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C5-PFPeA (S)	71%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C6-PFDA (S)	77%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C7-PFUdA (S)	75%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C8-PFOA (S)	76%		1	%REC		01/21/2023 6:02 AM	002 BP351/1
Surr: 13C8-PFOS (S)	90%		1	%REC		01/21/2023 6:02 AM	002 BP351/1

Qualifiers:

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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.

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Frace 575 Broad TEL: (516	Hollow Road, Melville, NY 117 370-6000 FAX: (516) 886-5 www.pacela	 747 526 bs.com	Labo Results for t e lab is not directly receipt at the lab	be samples and analytes responsible for the integrity of and is responsible only for the	ults requested of the sample before e certified tests	<u>Sa</u> Type: Origin:	ample Information: Drinking Water Other Routine
Port Washing	ton W.D.			Lab No. : 7	70243450002		
P.O. BOX 432			C	lient Sample ID.: I	N-07551 FB		
Port Washing	ton, NY 11050						
Attn To : Sup	.Tal Vacchio						
Federal ID :	2912267						
Collected :	01/17/2023 09:28 AM	Point	N-07551 FE	3			
Received :	01/17/2023 12:17 PM	Location					
Collected By	CLIENT						
Surr: 13C9-PFN	A (S) 80)%	1	%REC		01/21/2023 6:02 AM	002 BP351/1

Qualifiers:

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting 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.

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

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page 6 of 12

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.

WorkOrder :

70243450

Laboratory Certifications

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174 Alaska DEC- CS/UST/LUST Alabama Certification #: 41320 Colorado Certification: FL NELAC Reciprocity Connecticut Certification #: PH-0216 Delaware Certification: FL NELAC Reciprocity Florida Certification #: E83079 Georgia Certification #: 955 Guam Certification: FL NELAC Reciprocity Hawaii Certification: FL NELAC Reciprocity Illinois Certification #: 200068 Indiana Certification: FL NELAC Reciprocity Kansas Certification #: E-10383 Kentucky Certification #: 90050 Louisiana Certification #: FL NELAC Reciprocity Louisiana Environmental Certificate #: 05007 Maine Certification #: FL01264 Maryland Certification: #346 Massachusetts Certification #: M-FL1264 Michigan Certification #: 9911 Mississippi Certification: FL NELAC Reciprocity Missouri Certification #: 236 Montana Certification #: Cert 0074 Nebraska Certification: NE-OS-28-14 New Hampshire Certification #: 2958 New Jersey Certification #: FL022 New York Certification #: 11608 North Carolina Environmental Certificate #: 667 North Carolina Certification #: 12710 North Dakota Certification #: R-216 Ohio DEP 87780 Oklahoma Certification #: D9947 Pennsylvania Certification #: 68-00547 Puerto Rico Certification #: FL01264 South Carolina Certification: #96042001 Tennessee Certification #: TN02974 Texas Certification: FL NELAC Reciprocity US Virgin Islands Certification: FL NELAC Reciprocity Virginia Environmental Certification #: 460165 West Virginia Certification #: 9962C Wisconsin Certification #: 399079670 Wyoming (EPA Region 8): FL NELAC Reciprocity

WorkOrder :

70243450

Laboratory Certifications

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208 Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340 Virginia Certification # 460302

WorkOrder :

70243450

Additional Qualifiers

D6 - The precision between the sample and sample duplicate exceeded laboratory control limits.

L1 - Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated

samples may be biased high. L2 - Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

N3 - Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

WO#:70243450 Image: State	VY 11747 Fax: (631) 420-8436 whio, Superintendent	San PU Collec Accep Cooled	Date: ted By: ted By:		Puest I R SUPP 7 / 23 and Z Jugar	Form LIER	Rel. WELL OFF LINE	M ESERVED WITH HC
P. (Phone #:	D_Box 432 dy Hollow Road hington, NY 11050	Samp PW - GW - SW - WW - AQ - S -	le Type: Potable W. Groundwa Surface W Waste Wat Aqueous Soil	S ater ter ater ter	Purpose RO - Rou RE - Res S - Spe	tine ample cial	OriginTreatmentD- DistributionAST - Air StrRW- Raw WellGAC - GranulTW- Treated WellNT- TankFEMW- Monitoring WellOI- InfluentE- Effluent	Types ipper lar Activated Charcoal e Removal Plant emoval Plant
Date/Time Sample Collected: Type	Location	Origin	Treatment Type	Purpose	Field Re Cl ₂	eadings pH/Temp	Analysis	Lab No.
	rley 8 N-07551	RW		RC)			Method 533 Diaxane BAC, POC, Nitrate	

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page 11 of 12	VGG VGG VGG VGG VGG VGG VGG VGG VGG CG1 · · · · · · · ·	U - C - C - C - C - C - C - C - C - C -	IOML IOML IOML IOML IOML IOML IOML IOML	unpr Ascc HCI Sulft Na T Citra amb ic/M ic 60 nium pres ar sc ar sc	es clid orblo- clear dire cl hiost aleito Ci/C Jar (C Jar (C Dil jar (C	HCI Vial ear I - T: Acid ial USO Con E	ial Vlai Vlai SP i 4 4 (d)	AGG AGG AGG AGG AGG AGG AGG AGG AGG AGG	4U 3U 2U 1U 34 3S 1E 3T 7 8 7 7 8 7	1250r 500r 11liter 250n 125n 125n Na T 11L Ar	nL u nL u nL u nnL u nnL u nn n L H nL E nn n Ci ar n nmo	nprei nprei IIII C 2SO DA a Thi SOOL Ulfate nber nium	s am s ambe s ambe l 250 4 am mbe io an l 250 4 am mbe io an l 250 4 am mbe io an c Al	hber hber er OmL botti ss lorid		P4U P2U P2U P2U P2N P2N P2N P2N P2N P3N P3S P3S P3S P3S P3S P3S P3S P3S P3S P3S	12 250 11 255 50 255 255 255 11 11 Na	25ml 25ml	unpress HN HN H22500 Triz Soulf	c prese prese prese prese prese prese proved 03 p 03 p 03 p 03 p 03 p 03 p 03 p 03 p	rved rved plas lastic lastic plast plast plast plast plast plast plast plast plast plast plast plast plast plast plast plast control plast		SP5 R WGG WGG ZPL BG1 BGN WP		1201 Terr 202 402 802 1602 Zipic Zipic Vipe	Mis Correction of the second s	c. Dilfon Kil 3350rv 2550rv 16ar	m N ved . ved . ved . Glas	a Thi Jar Jar Jar SS	B	BBBAC . C DDDDDGGGGGAABAG	21U 23N- 23C 32U 2an a 99T 99A 99Y 6T 3U 3T 1B 1T 1A	1L 250 500 10 10 10 10 10 10 10 10 10 10 10 10 1	IC Unpr. DmL 1 DmL 1 DmL 1 DmL 1 Chlos Alte/N hios hios Hos CL)	OC HNO Sodiu Unpre BP4N OC a Thi icorb la Thi wifat ulfat ulfat	o am ic acc i accc i acc i ac	ber ber id fate DmL ber	22 22 21 21 1			T P V	Wa Soli OIL Wip Drin	Ma ter Id be king	Wat	er	niq		÷.				1	
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Dated: 09/082021

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Courier: Fed Ex UPS USPS Client		nercial [ace Dth	er	PM:	JSA	Due	Date: 01/	26/23
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USUA Regulated Soil [LAN/A, water sample	e)			∼Date and Inf	tials of pe	erson examin	ing conte	nțs: 1 , 1	1535
Did samples originate in a quarantine zone w	<i>i</i> ithin the l	Jnited Sta	tes: AL, AR, CA	, FL, GA, ID, LA,	ms, NC,	Did sample	s orignate	from a foreign s	ource
NM, NY, OK, OR, SC, TN, TX, or VA [check map]	? 🗆 Ye	es 🗆 No				including H	awaii and f	Puerto Rico)?: L	Yes 🕅 No
If Yes to either question, fill out a Regulat	ed Soil Cl	hecklist (F-L1-C-010) a	nd înclude wit	h scur/c	OC paperwo	rk.		
						COM	MENTS:		
Chain of Custody Present:	ØYes	⊡No		1.	120	•			
Chain of Custody Filled Out:	ØYes	⊡No		2.					
Chain of Custody Relinquished:	.E Yes	⊡No		3.			1	843	
Sampler Name & Signature on COC:	E Yes	⊡No	⊡N/A	4_		2			
Samples Arrived within Hold Time:	ØYes	⊡No		5.	2.1	14			
Short Hold Time Analysis (<72hr):	,ØYes	⊡No		б.				3	а — —
Rush Turn Around Time Requested:	⊡Yes	ĢΝο		7. *		3			
Sufficient Volume: (Triple volume provided fo	r IØves	DNo		8.					
Correct Containers Used:	ElYes	⊡No		9_					
-Pace Containers Used	EYes	DNo							
Containers Intact:	ÆYes	DNo		10.					
Filtered volume received for Dissolved tests	⊡Yes	⊡No	A/N/A	11. N	ote if sedin	nent is visible	in the diss	olved container.	
Sample Labels match COC:	Difes	⊡No	10 A	12				:	3
-Includes date/time/ID, Matrix: SL (MT)	QIL ·			I	-				đ.,
All containers needing preservation have bee	en ⊡Yes	No	ΦN/A	13. 🗆 🗆	HNO3	□ H _z SO ₄	DNaOH	D HCI	Ť
checked?	8 37	2							- 36-
JH paper Lot #		€ =: °°		Samola #				5	-
a containers needing preservation are round	0 10 DE			Southis 4					
MANH-12 Creatide)				1					
TCEntions VOA Caliform TOC/DOC All and G	rose		1				2		
DRO/8015 (water)	nease,		2	Initial when co	moleted-	I of # of add	- he	Date/Time ore	servative
Per Method VOA off is checked after analysis	A.C.		10 14	·	inpiciou.	preservative	,	added-	50110110
Samples checked for dechlorination	rives		DN/AN	14.				uddette	
I starch test strips for #	L. CO	0.10	7	1.122	2	*5			
Residual chlorine strips Lot #		542		- Posi	tive for Res	; Chlorine? Y	N		
SM 4500 CN samples checked for sulfide?	DYës	бNo	12N/A	15.				1980	
ead Acetate Strips Lot #			1	Posit	ive for Suli	fide? Y	Ν.,		
leadspace in VOA Vials (>6mm):	⊡Yes	ZNO	DN/A	16.					
rip Blank Present:	⊡Yes	Z No	ON/A	17.			Úž.:		
rip Blank Custody Seals Present	⊡Yes	ΩNo	¢N/A						
Pace Trip Blank Lot # (if applicable)			<i>′</i>				2		
Nient Notification/ Resolution:				Field Data Req	uired?	Ŷ	/ N		
				Dat	te/Time:				
Person Contacted:				the second se					
Person Contacted: Comments/ Resolution:									

PM (Project Manager) review is documented electronically in LIMS.

~ (?

ENV-FRM-MELV-0024 01



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

Client Sample ID.: N-07552

Lab No. : 70243440001

Type: Drinking Water Origin: Raw Well Routine

www.pacelabs.com Port Washington W.D. P.O. BOX 432

P.U. BUX 432

Port Washington, NY 11050

Attn To : Supt.Tal Vacchio

 Federal ID :
 2912267

 Collected :
 01/17/2023 10:04 AM
 Point

 Received :
 01/17/2023 03:57 PM
 Locati

 Collected By
 CLIENT
 CLIENT

TEL: (516) 370-6000 FAX: (516) 886-5526

Point N-07552 Location Morely Pk 9

No HIs

Analytical Method: EPA 522		Prep Method:	EPA 522		Prep Date	<u>8:</u> 01/18/2023 1:30 PM	
Parameter(s)	Results	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	9.1*		10	ug/L	1	01/19/2023 5:03 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	81%		10	%REC		01/19/2023 5:03 PM	001 AG2R1/2
Analytical Method: EPA 533		Prep Method:	EPA 533		Prep Date	또 01/19/2023 9:25 PM	
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
11CI-PF3OUdS	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
4:2 FTS	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
6:2 FTS	<3.7	L1	1	ng/L		01/21/2023 8:14 AM	001 BP351/2
8:2 FTS	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
9CI-PF3ONS	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
ADONA	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
HFPO-DA	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
NFDHA	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
PFBA	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
PFEESA	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
PFHpS	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
PFMBA	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
PFMPA	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
PFPeA	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
PFPeS	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
Perfluorobutanesulfonic acid	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
Perfluorodecanoic acid	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
Perfluorododecanoic acid	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
Perfluoroheptanoic acid	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
Perfluorohexanesulfonic acid	3.4		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
Perfluorohexanoic acid	<1.9		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
Perfluorononanoic acid	13.1		1	ng/L		01/21/2023 8:14 AM	001 BP351/2
Perfluorooctanesulfonic acid	6.2		1	ng/L	10	01/21/2023 8:14 AM	001 BP351/2
Perfluorooctanoic acid	3.9		1	ng/l	10	01/21/2023 8:14 AM	001 BP351/2
Perfluoroundecanoic acid	<1.9		1	ng/l		01/21/2023 8:14 AM	001 BP351/2
Surr: 13C2-PEDoA (S)	73%		1	%RFC		01/21/2023 8:14 AM	001 BP351/2
Surr: 13C24:2FTS (S)	105%		1	%RFC		01/21/2023 8:14 AM	001 BP351/2
Surr: 13C26:2FTS (S)	116%		1	%REC		01/21/2023 8:14 AM	001 BP351/2
Surr: 13C28:2FTS (S)	107%		1	%RFC		01/21/2023 8:14 AM	001 BP351/2
Surr: 13C3-PEBS (S)	88%		1	%REC		01/21/2023 8:14 AM	001 BP351/2
Surr: 13C3-PEHxS (S)	93%		1	%REC		01/21/2023 8 14 AM	001 BP351/2
Surr: 13C3HEPO-DA(S)	61%		1	%REC		01/21/2023 8·14 AM	001 BP351/2
Surr: 13C4-PEBA (S)	80%		1	%REC		01/21/2023 8·14 AM	001 BP351/2
Surr: 13C4-PEHpA (S)	70%		1	%REC		01/21/2023 8·14 AM	001 BP351/2
				, ui vi L O			551 DI 001/L

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.

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



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 Type: Drinking Water Origin: Raw Well Routine

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

www.pacelabs.com

Port Washington W.D. P.O. BOX 432 Port Washington, NY 11050 Attn To : Supt.Tal Vacchio Federal ID : 2912267 Collected : 01/17/2023 10:04 AM Received : 01/17/2023 03:57 PM Lab No. : 70243440001 Client Sample ID.: N-07552

Collected :	01/17/2023 10:04 /	AM Point	N-07552			
Received :	01/17/2023 03:57	PM Locatio	n Morely Pk 9			
Collected By	CLIENT		No HIs			
Surr: 13C5-PFF	HxA (S)	71%	1	%REC	01/21/2023 8:14 AM	001 BP351/2
Surr: 13C5-PFF	PeA (S)	69%	1	%REC	01/21/2023 8:14 AM	001 BP351/2
Surr: 13C6-PFE	DA (S)	72%	1	%REC	01/21/2023 8:14 AM	001 BP351/2
Surr: 13C7-PFL	JdA (S)	72%	1	%REC	01/21/2023 8:14 AM	001 BP351/2
Surr: 13C8-PFC	DA (S)	75%	1	%REC	01/21/2023 8:14 AM	001 BP351/2
Surr: 13C8-PFC	DS (S)	91%	1	%REC	01/21/2023 8:14 AM	001 BP351/2
Surr: 13C9-PFN	NA (S)	73%	1	%REC	01/21/2023 8:14 AM	001 BP351/2

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.

page 2 of 9

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



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 Type: Drinking Water Origin: Other Routine

Lab No. : 70243440002 Client Sample ID.: N-07552 FB

www.pacelabs.com Port Washington W.D. P.O. BOX 432 Port Washington, NY 11050

TEL: (516) 370-6000 FAX: (516) 886-5526

Attn To : Supt.Tal VacchioFederal ID :2912267Collected :01/17/2023 10:04 AMPointN-07552 FBReceived :01/17/2023 03:57 PMLocationCollected ByCLIENT

Analytical Method:EPA 533	Prep Method:	EPA 533		Prep Date	: 01/19/2023 9:25 PM	
Parameter(s) Resu	Its Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
11CI-PF3OUdS <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
4:2 FTS <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
6:2 FTS <3.6	L1	1	ng/L		01/21/2023 8:47 AM	002 BP351/1
8:2 FTS <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
9CI-PF3ONS <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
ADONA <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
HFPO-DA <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
NFDHA <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
PFBA <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
PFEESA <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
PFHpS <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
PFMBA <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
PFMPA <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
PFPeA <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
PFPeS <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
Perfluorobutanesulfonic acid <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
Perfluorodecanoic acid <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
Perfluorododecanoic acid <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
Perfluoroheptanoic acid <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
Perfluorohexanesulfonic acid <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
Perfluorohexanoic acid <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
Perfluorononanoic acid <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
Perfluorooctanesulfonic acid <1.8		1	ng/L	10	01/21/2023 8:47 AM	002 BP351/1
Perfluorooctanoic acid <1.8		1	ng/L	10	01/21/2023 8:47 AM	002 BP351/1
Perfluoroundecanoic acid <1.8		1	ng/L		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C2-PFDoA (S) 82%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C24:2FTS (S) 97%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C26:2FTS (S) 119%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C28:2FTS (S) 107%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C3-PFBS (S) 88%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C3-PFHxS (S) 90%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C3HFPO-DA(S) 70%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C4-PFBA (S) 89%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C4-PFHpA (S) 79%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C5-PFHxA (S) 81%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C5-PFPeA (S) 79%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C6-PFDA (S) 82%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C7-PFUdA (S) 81%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C8-PFOA (S) 84%		1	%REC		01/21/2023 8:47 AM	002 BP351/1
Surr: 13C8-PFOS (S) 90%		1	%REC		01/21/2023 8:47 AM	002 BP351/1

Qualifiers:

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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

Test results meet the requirements of NELAC unless otherwise noted.

575 Broad TEL: (516	l Hollow Road, Melville, NY 1174) 370-6000 FAX: (516) 886-55 <u>www.pacelab</u>	 The 47 26 <u>s.com</u>	Labora Results for the sa a lab is not directly respo receipt at the lab and is	tory Results mples and analytes requested hsible for the integrity of the sample befor responsible only for the certified tests	Tyı _{re} Ori	Sample Information: De: Drinking Water gin: Other Routine
Port Washing	jton W.D.			Lab No. : 7024344000	2	
P.O. BOX 432	2		Clien	t Sample ID.: N-07552 FB		
Port Washing	ton, NY 11050					
Attn To: Sup	t.Tal Vacchio					
Federal ID :	2912267					
Collected :	01/17/2023 10:04 AM	Point	N-07552 FB			
Received :	01/17/2023 03:57 PM	Location				
Collected By	CLIENT					
Surr: 13C9-PFN	IA (S) 809	%	1	%REC	01/21/2023 8:47	AM 002 BP351/1

Qualifiers:

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting 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.

page 4 of 9

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

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.

WorkOrder :

70243440

Laboratory Certifications

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174 Alaska DEC- CS/UST/LUST Alabama Certification #: 41320 Colorado Certification: FL NELAC Reciprocity Connecticut Certification #: PH-0216 Delaware Certification: FL NELAC Reciprocity Florida Certification #: E83079 Georgia Certification #: 955 Guam Certification: FL NELAC Reciprocity Hawaii Certification: FL NELAC Reciprocity Illinois Certification #: 200068 Indiana Certification: FL NELAC Reciprocity Kansas Certification #: E-10383 Kentucky Certification #: 90050 Louisiana Certification #: FL NELAC Reciprocity Louisiana Environmental Certificate #: 05007 Maine Certification #: FL01264 Maryland Certification: #346 Massachusetts Certification #: M-FL1264 Michigan Certification #: 9911 Mississippi Certification: FL NELAC Reciprocity Missouri Certification #: 236 Montana Certification #: Cert 0074 Nebraska Certification: NE-OS-28-14 New Hampshire Certification #: 2958 New Jersey Certification #: FL022 New York Certification #: 11608 North Carolina Environmental Certificate #: 667 North Carolina Certification #: 12710 North Dakota Certification #: R-216 Ohio DEP 87780 Oklahoma Certification #: D9947 Pennsylvania Certification #: 68-00547 Puerto Rico Certification #: FL01264 South Carolina Certification: #96042001 Tennessee Certification #: TN02974 Texas Certification: FL NELAC Reciprocity US Virgin Islands Certification: FL NELAC Reciprocity Virginia Environmental Certification #: 460165 West Virginia Certification #: 9962C Wisconsin Certification #: 399079670 Wyoming (EPA Region 8): FL NELAC Reciprocity

WorkOrder :

70243440

Laboratory Certifications

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208 Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340 Virginia Certification # 460302


Remarks:

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ë 8	VG	95	400	LSI	illuir	c cle	arv	ial	AG	10	111	iter u	L Un Unpr	es a	amb	nber er	_	BP:	20	500	mL L	inpre	serv	be		WG	2U	2oz	Unp	rese	rved	d Ja	ar	1	8	P3N P3C	2	50m	nL H	INO:	3 pla	stic			1	SL		So	lid												
of	DG	9Y	40m	LC	itrat	e-Na	late	vial	AG:	34 35	25	nmo 0mL	H2	n Cl	1 250 4 an	OmL	_	BP	IN IN	125	nL H	INO:	pla:	stic	1	WG	KU	4oz 8oz	Unp	rese	rved	d Ja d Ja	ar ar		A	GZL	J 5	001	nL u	npre	es ar	nber				OL		OIL	n-aq	ueo	Usl	Iqui	d								
9	DG	9P 9A	40m Asci	L an	/Mal	vial leic	- TS	SP .	AG	4E	12	5mL	ED	Aa	mbe	er		BP2	N	200r	nL F	INO:	pla:	tic	-	VGI		160 Ziol	z Un	pres	erve	ed J	Jar	1	E	_	Ţ						-			DW	-	Drl	pe nkini	a W	ater	-		-							
	DG	6T	Na	hio	60m	LVI		_	AG	2R	Na	I Sul	lfite	500	mL	(blu	e	BP3 BP2	S	250r 500r	nL F	280	4 pla	stic		TED		Ted	lar B	ag					-39	Gan	also	be	аB	P4N			(*. 1																		
	CG	U	1L L	npre	s Ja	ir (C	on E	4 d)	AG1	IH	1L	HC	l am	ber	ola:	bol	lle	BP3	C	NaO	H 25	50mL	bott	le	0	3N	-	Gen	eral	Lies	ir (3)	ass	1	1	Г				_	-			_																		
	WG	90	8oz i	lear	soil	iar	_	-	AGI	A	1L	Am	mon	ium	Ch	loric	e	BP3	5	250r	nL A	mme	a Inium	1	-	NP.	1	Wip	8				_	1	-	007	-17		SO	<u>c</u>																					
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	Client	Name:	1		' WO	† 70	243	8440	
	- Cróm	Marcial D	hace Dith	Pr	PM . T	50	Due		20/22
Iracking #-					CL TEN	Эн Т. рым	Due L	Jate: 01/	50/23
Custody Seal on Cooler/Box Present:		o Seals i	ntact.	NO DN	CLIEN				
Packing Material - Bubble Wrap - Bubble				ther		LYDP OL USP	A MARIA	NUM - 101 10 10	
Thermometer Used Thure	Correi	ction Facto			r	Samples on	ice coolir	a aracase has	beauto
	-Cooler	r Temnerat	ure Correct	<u>۲</u> (۱۵°۲) ا	1 1	Date/Time	50754 674	s alocad in fre	erer
Temp should be above freezing to 6.0°C	-	Temperot						s placed in in	117/2
USDA Regulated Soil [DN/A water sample	2)		e	⇔Date and Ir	nifials of ne	rson examini	na conto	nte 🔽 💿	1525
Did I		···	44 4D 04		ucióna or po		ing conte		() 20
NM MY or op op THE THE HILL OF	nthin the		es: Al, AR, LA	4, FL, GA, ID, LA,	MS, NC,	Dio samples	ongnate	from a foreign	source ໄVອີໄທ
If Yoo to although the Cill of the Although	2 LIY	es UNO		nd include		Including Ha	waii and I	uerto Rico]?	N Jeszy N
in tes to either question, fill out a Regulat	led Soll L	necklist (F	-LI-C-UIUJ a	Ind Include w	ILLI SLUKIL	UC paperwori			
Chain of Custodia Danasat			<u></u>	1		LUMM	IENIS:		
Chain of Custody Present:	Dives			<u> </u>					
Chain of Lustody Filled Uut:	Dres			7			,		
Chain of Custody Relinquished:	Difes			5.			/	(5)	
Sampler Name & Signature on COC:	ElYes	DNo	ON/A	4.	-				
Samples Arrived within Hold Time:	Offes	ΠNo	_	5.					-
Short Hold Time Analysis [<72hr]:	DYes	DNO		6.					· · · · · · · · · · · · · · · · · · ·
Rush Turn Around Time Requested:	DYes	DNO	£	1.					<u> </u>
Sufficient Volume: [Triple volume provided fo	r IDYes	DN0		8.	×				
Lorrect Containers Used:	Difes	⊡No		g_		i di			
-Pace Containers Used:	Q¥es	⊡Ņo		10					_
Containers Intact:	Difes		- di	10.	1. 6. 16. 17				
Filtered volume received for Dissolved tests	DYes		A\ØS		lote if sedin	ient is visible i	n the diss	olvedcontainer	
Sample Labels match CUC:	Pres		2. 3	12				5.	
-Includes date/time/ID/ Matrix: SL WI	UIL.	Polle	marta	17 2.7	านี้มก	011.00		0.1101	<i>.</i>
All containers needing preservation have bee	n Liyes	LINO	Latty A	15. L	J HNU3	$\Box H_2 S U_4 \cdot$	Пизон		
pH paper Lot #			10.1		00 0				
All containers needing preservation are found	f to be			Sample #					
in compliance with method recommendation	?								
(HNO ₃ , H _z SO ₄ , HCI, NaOH>9 Sulfide,	⊡Yes	⊡No	DINTA						
NAOH>12 Cyanide)							3		
Exceptions: VOA, Coliform, TOC/DOC, Oil and G	rease,						3		
DRO/8015 (water).	١.			Initial when c	ompleted:	Lot # of added	1*	Date/Time pr	eservative
Per Method, VOA pH is checked after analysis	-		9 ⁸ .		č.	preservative:		added:	
Samples checked for dechlorination:	DYes	⊡No	ENTA LI	14					
KI starch test strips Lot #				1.00	*	×		57	
Residual chlorine strips Lot #	8	8		- Pos	itive for Res	. Chlorine? Y	N		
SM 4500 CN samples checked for sulfide?	⊡Yës	Ú No	QN/A	15.				,	
Lead Acetate Strips Lot #				Pos	itive for Sulf	īde? Y	Ν		
Headspace in VOA Vials (>6mm):	⊡Yes	DNo	DN/A	16.					
Trip Blank Present-	□Yes	ΠNο	DN/A	17.			4		
Trip Blank Custody Seals Present	□Yes	⊡No	DHYA						
Pace Trip Blank Lot # (if applicable):									6
Client Notification/ Resolution:				Field Data Rec	quired?	Y	/ N		
Person Contacted:				Đạ	ate/Time: _				
Lomments/ Resolution:							_		

PM (Project Manager) review is documented electronically in LIMS.

10 10 11

ENV-FRM - MELV-0024 01

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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 Type: Drinking Water Origin: Raw Well Routine

www.pacelabs.com Port Washington W.D.

TEL: (516) 370-6000 FAX: (516) 886-5526

P.O. BOX 432

Port Washington, NY 11050

Attn To: Supt.Tal Vacchio

Federal ID : 2912267 Collected : 01/17/2023 09:50 AM Point Received : 01/17/2023 12:17 PM Collected By CLIENT

Lab No. : 70243446001 Client Sample ID.: N-13510

N-13510 Location Morley Park 11

Analytical Method: EPA 522		Prep Method:	EPA 522		Prep Date	🗄 01/18/2023 1:30 PM	
Parameter(s)	Results	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.22		1	ug/L	1	01/18/2023 9:29 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	85%		1	%REC		01/18/2023 9:29 PM	001 AG2R1/2
Analytical Method:EPA 533		Prep Method:	EPA 533		Prep Date	2 01/24/2023 9:56 AM	
Parameter(s)	Results	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	Limit	Analyzed:	Container:
11CI-PF3OUdS	<1.9	L2	1	ng/L		01/24/2023 10:56	001 BP351/2
4:2 FTS	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
6:2 FTS	<3.8		1	ng/L		01/24/2023 10:56	001 BP351/2
8:2 FTS	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
9CI-PF3ONS	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
ADONA	<1.9	L2	1	ng/L		01/24/2023 10:56	001 BP351/2
HFPO-DA	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
NFDHA	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
PFBA	2.4		1	ng/L		01/24/2023 10:56	001 BP351/2
PFEESA	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
PFHpS	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
PFMBA	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
PFMPA	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
PFPeA	2.7		1	ng/L		01/24/2023 10:56	001 BP351/2
PFPeS	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
Perfluorobutanesulfonic acid	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
Perfluorodecanoic acid	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
Perfluorododecanoic acid	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
Perfluoroheptanoic acid	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
Perfluorohexanesulfonic acid	2.3		1	ng/L		01/24/2023 10:56	001 BP351/2
Perfluorohexanoic acid	2.4		1	ng/L		01/24/2023 10:56	001 BP351/2
Perfluorononanoic acid	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
Perfluorooctanesulfonic acid	3.8		1	ng/L	10	01/24/2023 10:56	001 BP351/2
Perfluorooctanoic acid	4.9		1	ng/L	10	01/24/2023 10:56	001 BP351/2
Perfluoroundecanoic acid	<1.9		1	ng/L		01/24/2023 10:56	001 BP351/2
Surr: 13C2-PFDoA (S)	38%	S0	1	%REC		01/24/2023 10:56	001 BP351/2
Surr: 13C24:2FTS (S)	94%		1	%REC		01/24/2023 10:56	001 BP351/2
Surr: 13C26:2FTS (S)	110%		1	%REC		01/24/2023 10:56	001 BP351/2
Surr: 13C28:2FTS (S)	110%		1	%REC		01/24/2023 10:56	001 BP351/2
Surr: 13C3-PFBS (S)	110%		1	%REC		01/24/2023 10:56	001 BP351/2
Surr: 13C3-PFHxS (S)	109%		1	%REC		01/24/2023 10:56	001 BP351/2
Surr: 13C3HFPO-DA(S)	72%		1	%REC		01/24/2023 10:56	001 BP351/2
Surr: 13C4-PFBA (S)	76%		1	%REC		01/24/2023 10:56	001 BP351/2
Surr: 13C4-PFHpA (S)	68%		1	%REC		01/24/2023 10:56	001 BP351/2
• • •							

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.

page 1 of 9

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.



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 Type: Drinking Water Origin: Raw Well Routine

 www.pacelabs.com

 Port Washington W.D.

 P.O. BOX 432
 Clien

 Port Washington, NY 11050
 Attn To : Supt.Tal Vacchio

 Federal ID :
 2912267

 Collected :
 01/17/2023 09:50 AM
 Point
 N-13510

 Received :
 01/17/2023 12:17 PM
 Location
 Morley Park 11

 Collected By
 CLIENT
 CLIENT

TEL: (516) 370-6000 FAX: (516) 886-5526

Lab No. : 70243446001 Client Sample ID.: N-13510

Surr: 13C5-PFHxA (S) 001 BP351/2 72% 1 %REC 01/24/2023 10:56 Surr: 13C5-PFPeA (S) 75% %REC 01/24/2023 10:56 001 BP351/2 1 Surr: 13C6-PFDA (S) 34% S0 1 %REC 01/24/2023 10:56 001 BP351/2 Surr: 13C7-PFUdA (S) 32% S0 1 %REC 01/24/2023 10:56 001 BP351/2 Surr: 13C8-PFOA (S) 57% 1 %REC 01/24/2023 10:56 001 BP351/2 Surr: 13C8-PFOS (S) 110% 1 %REC 01/24/2023 10:56 001 BP351/2 Surr: 13C9-PFNA (S) 44% S0 1 %REC 01/24/2023 10:56 001 BP351/2

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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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.

page 2 of 9

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

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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

Lab No. : 70243446002

Client Sample ID.: N-13510 FB

Type: Drinking Water Origin: Other Routine

TEL: (516) 370-6000 FAX: (516) 886-5526 www.pacelabs.com

Port Washington W.D. P.O. BOX 432 Port Washington, NY 11050 Attn To : Supt.Tal Vacchio Federal ID : 2912267

Collected : 01/17/2023 09:50 AM Point N-13510 FB Received : 01/17/2023 12:17 PM Location Collected By CLIENT

Analytical Method: EPA 533		Prep Method:	EPA 533		Prep Date	e: 01/19/2023 9:25 PM	
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
11CI-PF3OUdS	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
4:2 FTS	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
6:2 FTS	<3.5	L1	1	ng/L		01/21/2023 7:08 AM	002 BP351/1
8:2 FTS	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
9CI-PF3ONS	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
ADONA	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
HFPO-DA	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
NFDHA	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
PFBA	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
PFEESA	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
PFHpS	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
PFMBA	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
PFMPA	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
PFPeA	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
PFPeS	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
Perfluorobutanesulfonic acid	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
Perfluorodecanoic acid	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
Perfluorododecanoic acid	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
Perfluoroheptanoic acid	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
Perfluorohexanesulfonic acid	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
Perfluorohexanoic acid	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
Perfluorononanoic acid	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
Perfluorooctanesulfonic acid	<1.7		1	ng/L	10	01/21/2023 7:08 AM	002 BP351/1
Perfluorooctanoic acid	<1.7		1	ng/L	10	01/21/2023 7:08 AM	002 BP351/1
Perfluoroundecanoic acid	<1.7		1	ng/L		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C2-PFDoA (S)	75%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C24:2FTS (S)	91%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C26:2FTS (S)	113%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C28:2FTS (S)	104%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C3-PFBS (S)	89%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C3-PFHxS (S)	90%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C3HFPO-DA(S)	76%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C4-PFBA (S)	90%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C4-PFHpA (S)	80%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C5-PFHxA (S)	83%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C5-PFPeA (S)	81%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C6-PFDA (S)	80%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C7-PFUdA (S)	78%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C8-PFOA (S)	81%		1	%REC		01/21/2023 7:08 AM	002 BP351/1
Surr: 13C8-PFOS (S)	90%		1	%REC		01/21/2023 7:08 AM	002 BP351/1

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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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Frace 575 Broad TEL: (516)	Hollow Road, Melville, NY 117 370-6000 FAX: (516) 886-5 www.pacela	 747 526 bs.com	Labora Results for the sa a lab is not directly respon receipt at the lab and is	Itory Results mples and analytes requested nsible for the integrity of the sample be responsible only for the certified tests	efore	<u>Sa</u> Type: Origin:	ample Information: Drinking Water Other Routine
Port Washing	ton W.D.	<u>55.00111</u>		Lab No. : 702434460	002		
P.O. BOX 432			Clien	t Sample ID.: N-13510 F	В		
Port Washing	ton, NY 11050						
Attn To : Supt	.Tal Vacchio						
Federal ID :	2912267						
Collected :	01/17/2023 09:50 AM	Point	N-13510 FB				
Received :	01/17/2023 12:17 PM	Location					
Collected By	CLIENT						
Surr: 13C9-PFN	A (S) 85	5%	1	%REC	01/21/2023	7:08 AM	002 BP351/1

Qualifiers:

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting 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.

page 4 of 9

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

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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.

WorkOrder :

70243446

Laboratory Certifications

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174 Alaska DEC- CS/UST/LUST Alabama Certification #: 41320 Colorado Certification: FL NELAC Reciprocity Connecticut Certification #: PH-0216 Delaware Certification: FL NELAC Reciprocity Florida Certification #: E83079 Georgia Certification #: 955 Guam Certification: FL NELAC Reciprocity Hawaii Certification: FL NELAC Reciprocity Illinois Certification #: 200068 Indiana Certification: FL NELAC Reciprocity Kansas Certification #: E-10383 Kentucky Certification #: 90050 Louisiana Certification #: FL NELAC Reciprocity Louisiana Environmental Certificate #: 05007 Maine Certification #: FL01264 Maryland Certification: #346 Massachusetts Certification #: M-FL1264 Michigan Certification #: 9911 Mississippi Certification: FL NELAC Reciprocity Missouri Certification #: 236 Montana Certification #: Cert 0074 Nebraska Certification: NE-OS-28-14 New Hampshire Certification #: 2958 New Jersey Certification #: FL022 New York Certification #: 11608 North Carolina Environmental Certificate #: 667 North Carolina Certification #: 12710 North Dakota Certification #: R-216 Ohio DEP 87780 Oklahoma Certification #: D9947 Pennsylvania Certification #: 68-00547 Puerto Rico Certification #: FL01264 South Carolina Certification: #96042001 Tennessee Certification #: TN02974 Texas Certification: FL NELAC Reciprocity US Virgin Islands Certification: FL NELAC Reciprocity Virginia Environmental Certification #: 460165 West Virginia Certification #: 9962C Wisconsin Certification #: 399079670 Wyoming (EPA Region 8): FL NELAC Reciprocity

WorkOrder :

70243446

Laboratory Certifications

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208 Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340 Virginia Certification # 460302

	# : 702	434 (631) 69 (631) 69 Italo J. Port W	A, NY 11747 4-3040 Fax: (03 17 420-8436 Vacchio, Superintendent /ashington Water District	Sar PU Collec Accep Coole	Date:	Rec WATE / 17 Indrew 3.0	uest R SUPP 1 2-3 Γ.	Form LIER	Rcl. Well C Well R V Well R	OFF LINE	ISBS EM RESERVED WITH HCI
F F E C S	hone #: hone #: ttn: roj. # or (Name): ill To: copies To: ample Info:	38 Port	P.O. Box 432 Sandy Hollow Road Washington, NY 11050	Samp PW - GW - SW - WW - AQ - S -	Die Type Potable W Groundwa Surface W Waste Wa Aqueous Soil	S ater ter ter	Purpose RO - Rou RE - Res S - Spe	tine ample cial	OriginD- DistributionRW- Raw WellTW- Treated WellT- TankMW- Monitoring WellI- InfluentE- Effluent	Treatmen AST - Air S GAC - Gra N - Nitr FE - Iron O - Oth	nt Types Stripper nular Activated Charcoal ate Removal Plant Removal Plant er
page	Date/Time	Sample	Location	Origin	Treatment Type	Purpose	Field R Cl ₂	eadings pH/Temp	Analysis		Lab No.
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Remarks:

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www.geo Asgra 1L HCL amber glass BP31 250mL Initzma WP Wilpe wwg.go Asgra 1L Ammonium Chloride BP32 250mL Ammonium BP32 250mL Initzma SOC WG40 4002 clear soil jar BP12 1L NaOH, Zn Acetate BP11 IL NaOH, Zn Acetate 2 DG94 40mL Ascrotic acid 2 BP18 Na Thiosulfate Amber IL NaOH, Zn Acetate BP18 Na Thiosulfate Amber 2 DG94 40mL Ascrotic acid 2 Asgra BP18 Na Thiosulfate Amber IL NaOH, Zn Acetate IL NaOH, Zn Acetate 1 Acgra Acgra 1 BP18 Na Thiosulfate Amber IL Na Thiosulfate Amber IL Acgra 2 DG97 Clitate/Na Thiosulfate 250mL vial 1 Additional Comments BP18 Na Thiosulfate Amber IL Acgra Acgra Acgra IL Acgra 2 Additional Comments IL OCZ Acgra Na - 135 to FB FoR 5/33 IL Acgra		DGS	DS U	Amm 1L U	nore	m Cl	/Cus	04	AC	31T	N	a Th	iosul	fate '	1L b	ottle	BP	2S 3C	500 Na(DH 2	12SC 50mL	4 pla bott	istic le	B	G1H N	1L Ge	HCL	Clea	r Gla	8\$5		r.	_	_	_																					
WG40 402 clear soil jar BP32 250mL NH4S04- BP12 2 BP11 11 L NaOH, ZA Acetate BP11N 11 L NaOH, ZA Acetate BP11N 2 DG9Y Citrate/Na Thiosulfate SomL viai AGG3T 1 Additional Comments AG1T Na Thiosulfate Amber	4	WG	90	Boz c	lear	solili	200		AC	S1A	11	. Am	mon	lum (Chlo	ride	BP	3T 35	250 250	mL 7	mmo	a Inlum	1	N	/P	W	pe								S	oc																				
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/-	Client	P	WW		WO#:7	0243	446	
Courier: Fed Ex UPS USPS Client	Dom	mercial	🗋 ace 🗋 ut	ier	PM: ISO	Due D	ate: 01	31/23
Tracking #:		3	9		OLITINIT. DUU	Due D	ate: 01/	31/23
Custody Seal on Cooler/Box Present:	s DN	o Seals	intact: 🗗 Ye	es No 1 N/A	CLIENT: PWW			
Packing Material: Bubble Wrap Bubble	e Bags	Ziploc	Borne □0	ther	- Provide	a santa a		
Thermometer Used: TH148	Corre	ction Fact	or: + (),		Samples o	in ice, cooling	process has b	egun
Cooler Temperature CI: 2.0	Coole	r Tempera	ature Correct	ted(°C): 3.1	Date/Tim	e 5035A kits c	laced in free	zer
Temp should be above freezing to 6.0°C			<u> 3</u>					11712
USDA Regulated Soil [] N/A water sample	1		es a fus	·-Date and Initia	ls of person exami	ning contents	- T. T.	1535
Nides and a sector of the sect	ithin the	* Hoitod Str	ND GALLAD C		NC Did samal		ma foreigner	
MM NY OK OD SC TH TY active (about the construction)			NES. AL, AR, U		industrian (town and Dur		VOCITIN
If Yas to pithor gupption fill out a Deputation	1 LJ	The altist		nd include with				185 EQ IN
a res to entier question, ini out a Regulati	60 2011 L	Jueckust	F-LI-C-0101 a		CONTENT Paper MC	ILK.		
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Chain of Custody Filled UDL	Erres			7				
Sameler Here & Cineter and	Ares		011/4	J.		,		
Samples Arrived Signature on COC:	Elves			4_ C	<u> </u>			
Short Used T	DYes			D.				
short Hold Time Analysis (<72hr):	DYes	ENO		b.				
Rush Turn Around Time Requested:	□Yes	ENO		1.			- M	
Sufficient Volume: [Triple volume provided for	Tares	DNo		8.				
Lorrect Containers Used:	Elles	ΠNο		9-	345			
-Pace Containers Used:	Elles	⊡Ņo						
Lontainers Intact:	Elles			10.	16 17 18 19 19			
Filtered volume received for Dissolved tests	DYes		DH7A	II. Note	it sediment is visible	e in the dissolv	ed container.	
sample Labels match COC:	~DYes	⊡No	-	12			5	~
-Includes date/time/ID/Matrix: SL/WT/	JIL		- di	17		- 11 011	- 1101	*.
All containers needing preservation have been	n ⊡Yes	LINO	JAN/A	IS. LIHN	U_3 LIH ₂ SU ₄	E DNaOH		3 1 2003
off nanec (of #		°	a <i>e</i> s sa		8			22
All containers needing preservation are found	to be		and particular	Sample #	- x		5.	0.000
in compliance with method recommendation	?					3		
(HNO₃, H₂SO₄, HCL NaOH>9 Sulfide.	□Yes	⊡No	DIV/A					
NAOH>12 Cyanide)				1		¥		
Exceptions: VOA, Coliform, TOC/DOC, Oil and Gr	rease,						£ :	
DRO/8015 (water)			,	Initial when comp	pleted: Lot # of add	ed D	ate/Time pres	ervative
Per Method, VOA pH is checked after analysis	34		2.7		preservative	: a	ded:	
Samples checked for dechlorination:	DYes	DNo	DHTA Li	14				
<pre>Kl starch test strips Lot #</pre>				e ¹ 28	10 4 2		17	
Residual chlorine strips Lot #	3	555		Positive	for Res. Chlorine? Y	N		1
SM 4500 CN samples checked for sulfide?	⊡Yës	ÓNO	EN/A	15.				
ead Acetate Strips Lot #		-hr	NS '	 Positive 	for Sulfide? Y	Ν.		
leadspace in VOA Vials (>6mm):	⊡Yes	XINO	EN/A	16.		64	An Ann	
rip Blank Present	DYes	DNo	.DN/A	17.		:		
rip Blank Custody Seals Present	⊡Yes	⊡No	-BN/A			-65		
ace Trip Blank Lot # (if applicable);						>		
				Field Data Require	ed? Y	/ N		
Client Notification/ Resolution:								
Client Notification/ Resolution: Person Contacted:				Date/	lime:			
lient Notification/ Resolution: erson Contacted: omments/ Resolution:				Date/	lime:			

PM (Project Manager) review is documented electronically in LIMS.

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ENV-FRM-MELV-0024 01



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

Client Sample ID.: N-09809

Lab No. : 70245353001

Type: Drinking Water Origin: Raw Well Routine

www.pacelabs.com
Port Washington W.D.

P.O. BOX 432

Port Washington, NY 11050

Attn To: Supt.Paul Prignano

 Federal ID :
 2912267

 Collected :
 02/06/2023 09:25 AM
 Point

 Received :
 02/06/2023 12:43 PM
 Locat

 Collected By
 CLIENT
 CLIENT

TEL: (516) 370-6000 FAX: (516) 886-5526

PointN-09809LocationStoneytown 10

Flwr Hl

Analytical Method: EPA 522		Prep Method:	EPA 522		Prep Date	: 02/08/2023 12:12	
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.80		1	ug/L	1	02/09/2023 12:27	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	110%		1	%REC		02/09/2023 12:27	001 AG2R1/2
Analytical Method:EPA 533		Prep Method:	EPA 533		Prep Date	: 02/11/2023 10:43	
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
11CI-PF3OUdS	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
4:2 FTS	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
6:2 FTS	<4.1		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
8:2 FTS	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
9CI-PF3ONS	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
ADONA	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
HFPO-DA	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
NFDHA	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
PFBA	2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
PFEESA	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
PFHpS	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
PFMBA	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
PFMPA	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
PFPeA	2.9		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
PFPeS	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
Perfluorobutanesulfonic acid	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
Perfluorodecanoic acid	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
Perfluorododecanoic acid	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
Perfluoroheptanoic acid	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
Perfluorohexanesulfonic acid	2.7		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
Perfluorohexanoic acid	2.6		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
Perfluorononanoic acid	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
Perfluorooctanesulfonic acid	<2.0		1	ng/L	10	02/20/2023 6:40 PM	001 BP351/2
Perfluorooctanoic acid	4.1		1	ng/L	10	02/20/2023 6:40 PM	001 BP351/2
Perfluoroundecanoic acid	<2.0		1	ng/L		02/20/2023 6:40 PM	001 BP351/2
Surr: 13C2-PFDoA (S)	25%	S0	1	%REC		02/20/2023 6:40 PM	001 BP351/2
Surr: 13C24:2FTS (S)	138%		1	%REC		02/20/2023 6:40 PM	001 BP351/2
Surr: 13C26:2FTS (S)	183%	IC	1	%REC		02/20/2023 6:40 PM	001 BP351/2
Surr: 13C28:2FTS (S)	107%		1	%REC		02/20/2023 6:40 PM	001 BP351/2
Surr: 13C3-PFBS (S)	102%		1	%REC		02/20/2023 6:40 PM	001 BP351/2
Surr: 13C3-PFHxS (S)	95%		1	%REC		02/20/2023 6:40 PM	001 BP351/2
Surr: 13C3HFPO-DA(S)	37%	S0	1	%REC		02/20/2023 6:40 PM	001 BP351/2
Surr: 13C4-PFBA (S)	30%	S0	1	%REC		02/20/2023 6:40 PM	001 BP351/2
Surr: 13C4-PFHpA (S)	43%	SO	1	%REC		02/20/2023 6:40 PM	001 BP351/2

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.

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.



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 Type: Drinking Water Origin: Raw Well Routine

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

Port Washington W.D. P.O. BOX 432

Port Washington, NY 11050

Attn To: Supt.Paul Prignano

Federal ID : 2912267 Collected : 02/06/2023 09:25 AM Point N-09809

Lab No. : 70245353001 Client Sample ID.: N-09809

Received :	02/06/2023 1	2:43 PM	Location	Stoneyto	wn 10				
Collected By	CLIENT			FIWI HI					
Surr: 13C5-PFH	xA (S)	43%		S0	1	%REC	02/20/2023 6:40 PM	001 BP351/2	
Surr: 13C5-PFP	eA (S)	33%		S0	1	%REC	02/20/2023 6:40 PM	001 BP351/2	
Surr: 13C6-PFD	A (S)	26%		S0	1	%REC	02/20/2023 6:40 PM	001 BP351/2	
Surr: 13C7-PFU	dA (S)	25%		S0	1	%REC	02/20/2023 6:40 PM	001 BP351/2	
Surr: 13C8-PFO	A (S)	41%		S0	1	%REC	02/20/2023 6:40 PM	001 BP351/2	
Surr: 13C8-PFO	S (S)	100%)		1	%REC	02/20/2023 6:40 PM	001 BP351/2	
Surr: 13C9-PFN	A (S)	33%		S0	1	%REC	02/20/2023 6:40 PM	001 BP351/2	

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.

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.

page 2 of 15

WorkOrder :

70245353

Laboratory Certifications

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174 Alaska DEC- CS/UST/LUST Alabama Certification #: 41320 Colorado Certification: FL NELAC Reciprocity Connecticut Certification #: PH-0216 Delaware Certification: FL NELAC Reciprocity Florida Certification #: E83079 Georgia Certification #: 955 Guam Certification: FL NELAC Reciprocity Hawaii Certification: FL NELAC Reciprocity Illinois Certification #: 200068 Indiana Certification: FL NELAC Reciprocity Kansas Certification #: E-10383 Kentucky Certification #: 90050 Louisiana Certification #: FL NELAC Reciprocity Louisiana Environmental Certificate #: 05007 Maine Certification #: FL01264 Maryland Certification: #346 Massachusetts Certification #: M-FL1264 Michigan Certification #: 9911 Mississippi Certification: FL NELAC Reciprocity Missouri Certification #: 236 Montana Certification #: Cert 0074 Nebraska Certification: NE-OS-28-14 New Hampshire Certification #: 2958 New Jersey Certification #: FL022 New York Certification #: 11608 North Carolina Environmental Certificate #: 667 North Carolina Certification #: 12710 North Dakota Certification #: R-216 Ohio DEP 87780 Oklahoma Certification #: D9947 Pennsylvania Certification #: 68-00547 Puerto Rico Certification #: FL01264 South Carolina Certification: #96042001 Tennessee Certification #: TN02974 Texas Certification: FL NELAC Reciprocity US Virgin Islands Certification: FL NELAC Reciprocity Virginia Environmental Certification #: 460165 West Virginia Certification #: 9962C Wisconsin Certification #: 399079670 Wyoming (EPA Region 8): FL NELAC Reciprocity

WorkOrder :

70245353

Laboratory Certifications

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208 Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340 Virginia Certification # 460302

WorkOrder :

70245353

Additional Qualifiers

L1 - Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

N3 - Accreditation is not offered by the relevant laboratory accrediting body for this parameter.



575 Broad Hollow Rd., Melville, NY 11747 (631) 694-3040 Fax: (631) 420-8436

Hole I Vessbie Superintendent

Client Info:

Name or Code:	italo J. Vacchio, Superintendent
Address'	Port Washington Water District
Address	P.O. Box 432
Bhone #:	38 Sandy Hollow Road
Priorie #	Port Washington, NY 11050
Attn:	
Proj. # or (Name):	
Bill To:	
Copies To:	

Sample Request Form PUBLIC WATER SUPPLIER



Purpose

S

RO - Routine

RE - Resample

- Special

Sample Types

PW - Potable Water

GW - Groundwater

SW - Surface Water

WW - Waste Water

AQ - Aqueous

- Soil

S

Jel. by July 14:29 2/6/23

WELL OFF LINE _

U WELL RUN TO SYSTEM

□ YES □ NO VOC'S PRESERVED WITH HCI

Origin D - Distribution

Е

 RW
 Raw Well

 TW
 Treated Well

 T
 Tank

 MW
 Monitoring Well

 I
 Influent

- Effluent

Treatment Types

- AST Air Stripper
- GAC Granular Activated Charcoal
- N Nitrate Removal Plant
- FE Iron Removal Plant
- O Other

Sample Info:

page 13 of 15

Date/Time Collected:	Sample Type	Location	Orlgin	Treatment Type	Purpose	Field Readings Cl ₂ pH/Temp	Analysis	Lab No.
216123	GU	Stonytown 10 N-09809	RU	0	RO		Dioxene, PFAS(533)	
							(692)	
9:40	GW	Stonytown 10 GAC-09809	TΨ	GAL	RO		Distance, PPAS, PUC	
	-							
	-							
Remarks:	-							C(I)

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Short Hold Time Analysis (-72b-)	Lives		-	5.	0.70	*:		
Rush Turn Around Time Peruseted				6.				
Sufficient Volume: Triple volume accuided 6	Lives	DNo		. 7.				
Correct Containers Lised				8.				
-Pace Containers Lised-				9-				
Containers Intact:								
Filtered volume received for Dissolved tests				U.	16 11			÷
Sample Labels match COC:	CIVes			IL Note	e it sedime.	nt is visible in th	ne dissolved conta	liner.
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All containers needing preservation have be	en ElVes-	TINg	-DN/4.*	17	10 -	11.00		
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pH paper Lot #	-		\$					
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FYCEDTIONS VOA Coliforni Too (opp. all				1		34		~
DRD/8015 (water)	rease,						к. ²	
Per Method VDA pH is chocked offer and the	L.		(C) 2	Initial when comp	pleted: Lot	t # of added	Date/Time	preservative
Samples checked for dechloringting	(m)/		<u> </u>		pre	eservative:	added:	
KI starch test strins I of #	Takes			14.				
Residual chlorine strips for #		×				1250		
SM 4500 CN samples checked for sulfide?		- Civia	011/4	Positive	for Res. Ch	nlorine? Y N		
Lead Acetate Strips Lot #	LIIES		UN/A	10.	6			a -
Headspace in VOA Vials (>6mm)-	[]Voc			Positive	for Sulfide	<u>? Y</u> N.		
Trip Blank Present:				10.				
Trip Blank Custody Seals Present	DYes			u.			•	3
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Client Notification/ Resolution:				Field Data Door in	-17			<u>*</u>
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* PI4 (Project Manager) review is documented electronically in LIMS.

ENV-FRM - MELV-0024 01



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

Client Sample ID.: N-07552

Lab No. : 70246364001

Type: Drinking Water Origin: Raw Well Routine

www.pacelabs.com Port Washington W.D.

P.O. BOX 432

Port Washington, NY 11050

Attn To: Supt.Paul Prignano

Federal ID : 2912267 Collected : 02/14/2023 08:52 AM Point Received : 02/14/2023 11:35 AM

TEL: (516) 370-6000 FAX: (516) 886-5526

N-07552

Location Morely Pk 9 Collected By CLIENT No HIs Analytical Method: EPA 353.2

Parameter(s)	<u>Results</u>	Qualifier	<u>D.F.</u>	<u>Units</u>	Limit	Analyzed:	Container:
Nitrate as N	4.2		5	mg/L	10	02/15/2023 12:18	001 BP4U1/1
Nitrate-Nitrite (as N)	4.2		5	mg/L		02/15/2023 12:18	001 BP4U1/1
Analytical Method:EPA 353.2							
Parameter(s)	Results	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
Nitrite as N	<0.050		1	mg/L	1	02/14/2023 9:58 PM	001 BP4U1/1
Analytical Method:EPA 522		Prep Method:	EPA 522		Prep Date	2 02/15/2023 10:01	
Parameter(s)	Results	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	12.9*		10	ug/L	1	02/16/2023 11:25	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	110%		10	%REC		02/16/2023 11:25	001 AG2R1/2

Analytical Method: EPA 524.2	2						
Parameter(s)	<u>Results</u>	Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,1,1-Trichloroethane	1.8		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3	1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,1-Dichloroethene	8.8*		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,2,3-Trichlorobenzene	<0.50	IC	1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,2,4-Trichlorobenzene	<0.50	IC	1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
2-Chlorotoluene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
4-Chlorotoluene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Benzene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Bromobenzene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2

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.

page 1 of 7

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

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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

N-07552

Client Sample ID.: N-07552

Lab No. : 70246364001

Type: Drinking Water Origin: Raw Well Routine

Port Washington W.D.

P.O. BOX 432

Port Washington, NY 11050

Attn To: Supt.Paul Prignano

 Federal ID :
 2912267

 Collected :
 02/14/2023 08:52 AM
 Point

TEL: (516) 370-6000 FAX: (516) 886-5526

Received :	02/14/2023 11:35 AM	Location	Morely Pk 9
Collected By	CLIENT		No HIs

www.pacelabs.com

Bromochloromethane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Bromodichloromethane	<0.50		1	ug/L		02/22/2023 6:05 PM	001 VG9U1/2
Bromoform	<0.50		1	ug/L		02/22/2023 6:05 PM	001 VG9U1/2
Bromomethane	<0.50	IC	1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Carbon tetrachloride	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Chlorobenzene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Chlorodifluoromethane	<0.50	N3,L2	1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Chloroethane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Chloroform	1.2		1	ug/L		02/22/2023 6:05 PM	001 VG9U1/2
Chloromethane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Dibromochloromethane	<0.50		1	ug/L		02/22/2023 6:05 PM	001 VG9U1/2
Dibromomethane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Dichlorodifluoromethane	<0.50	L2	1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Ethylbenzene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Hexachloro-1,3-butadiene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Isopropylbenzene (Cumene)	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Methyl-tert-butyl ether	<0.50		1	ug/L	10	02/22/2023 6:05 PM	001 VG9U1/2
Methylene Chloride	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Styrene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Tetrachloroethene	9.9*		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Toluene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Total Trihalomethanes (Calc.)	1.2		1	ug/L	80	02/22/2023 6:05 PM	001 VG9U1/2
Trichloroethene	6.3*		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Trichlorofluoromethane	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Vinyl chloride	<0.50		1	ug/L	2	02/22/2023 6:05 PM	001 VG9U1/2
cis-1,2-Dichloroethene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
cis-1,3-Dichloropropene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
m&p-Xylene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
n-Butylbenzene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
n-Propylbenzene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
o-Xylene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
p-Isopropyltoluene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
sec-Butylbenzene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
tert-Butylbenzene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
trans-1,2-Dichloroethene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
trans-1,3-Dichloropropene	<0.50		1	ug/L	5	02/22/2023 6:05 PM	001 VG9U1/2
Surr: 1,2-Dichlorobenzene-d4 (S)	98%		1	%REC		02/22/2023 6:05 PM	001 VG9U1/2
Surr: 4-Bromofluorobenzene (S)	88%		1	%REC		02/22/2023 6:05 PM	001 VG9U1/2

Analytical Method:SM22	9223B Colilert	Prep Method:	SM22 922	23B Colilert	Prep Date	2: 02/14/2023 5:48 PM		
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:	
E.coli	Absent		1		Absent	02/15/2023 11:48	001 SP5T1/1	
Total Coliforms	Absent		1		Absent	02/15/2023 11:48	001 SP5T1/1	_
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.

page 2 of 7

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

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WorkOrder :

70246364

Laboratory Certifications

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208 Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340 Virginia Certification # 460302

WorkOrder :

70246364

Additional Qualifiers

IC - The initial calibration for this compound was outside of method control limits. The result is estimated.

L2 - Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated

samples may be biased low.

N3 - Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

Client Info: Name or Code:	ŧ:70 ∥∥∥∥∥	0246364	Collect Coolect Coolect	Date: cted By: oted By: er Temp:	Rec WATE 2/14 R	List Form R SUPPLIER / 23 Mallon d PLL, II: °C/R	WELL OF WELL RU	FF LINE JN TO SYSTE	M
Address:	Port	7. Vacchio, Superintendent Washington Water District P.O. Box 432 Sandy Hollow Road t Washington, NY 11050	Samp PW - GW - SW - WW - AQ - S -	Die Type Potable W Groundwa Surface W Waste Wa Aqueous Soil	S Vater Vater Vater ter	Purpose RO - Routine RE - Resample S - Special	OriginD- DistributionRW- Raw WellTW- Treated WellT- TankMW- Monitoring WellI- InfluentE- Effluent	TreatmentAST- Air StrGAC- GranuN- NitratoFE- Iron RO- Other	Types ipper lar Activated Charcoal e Removal Plant emoval Plant
Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl ₂ pH/Temp	Analysis		Lab No.
2/14/23	GW	Norley Purk 9 N-07552	RU		Ro		BAC, NO3 ; Pioxani PFASE533		

COC PAGE	of
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Sample Container Count

Client: DWW Profile # 5141 Use Point Number Spreadsheet
WORK ORDER: Bact/103/14 Diame PEAS 2/14 Notes

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Additional Comments

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USDA Regulated Soil (N/A water sample	el		- a	and loifi	ials of po		vaminia	anote			
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NM NY OK OD SC TH TY as We (about some)	within the		ites: Al, Ar, L	A, FL, GA, IU, LA, M	IS NC	Didisa	amples o	rignate l	rom a fore	eign source	-4
If Yes to other superior, fill out a Desula	Y LLY North	es Uno			00110 (0	INCLUC	ding Haw	aii and P	uerto Rico]? U Yes,⊠	Y No
a resto ertiter question, nil out a Regula	(eq 2011 C	necklist (t-LI-C-UIUJ	and include with	n SCUR/C	OC pap	erwork.				
Chain of Custody Prespot.	Palas			1			COMME	ENTS:			
Chain of Custody Filed Out	elres		· · · · ·				-				
Chain of Custody Palipovished	lires			2							
Sampler Name & Signature on COC	Lives		CH/A). //				/			•
Samples Arrived within Hold Times	Lives		LIN/A	4.	× ×		21				
Short Hold Time Analysis (-72bc)	Laves).			44 C - 24	_	-		
Rush Turn Around Time Requested	- Laves	LINO	*	D. \						¥	
Sufficient Volume (Trigle volume accuided to			3	1.							
Correct Containers Lised-				0.				_	_		
-Pace Containers Used-	Elles Elles			5.		3					
Containers Intact-	Dies			10		_					
Filtered volume received for Dissolved tests	Mes.		- DANTA	11 Not	e if sedim	ant is v	icible in t	the diago	Indeast	iner	
Sample Labels match COC:	TYes			- 12	c ii scum		ISIDIE III (IVED COTILE	met.	-
-Includes date/time/ID, Matrix: SL WT	OIL -			-					- 99	47	
All containers needing preservation have bee	n-OYes	-DNo -	OH/A	13. DH	NO ₂	TH-SO	П	NaOH	T HC		-
checked?	8 111 T		er ja	1 e e - 1		<u> </u>	·4 U	noon		-	
pH paper Lot #		0	-		14						
All containers needing preservation are found	l to be 🦉			Sample #							-
In compliance with method recommendation	?										1
MADH-12 Curreide)	⊡Yes	ΠNO	DR/A								S)
Exceptions: VOA Coliform TOC/OOC Offeed C							14 25		2 20	304	
DRD/8015 [water]	lease,			laitial when nom	plated I		:			<u></u>	_
Per Method, VOA oH is checked after analysis	A.S.				iprereo: It	10 # 10	added		Date/ Lime	preservativ	e
Samples checked for dechlorination	MYes	ΠΝο	THE AL	14		JI ESELVA	ative:		added:	727	-
KI starch test strips Lot #	£1100	0.10	ONTA C								
Residual chlorine strips Lot #		۰		- Positive	e for Res	Chlorin	07 V N			ж.	
SM 4500 CN samples checked for sulfide?	⊡Yës	бNo	DINTA	15.	- tot NG3.	CHIOTILI		-	-		-
Lead Acetate Strips Lot #			1	Positive	e for Sulfi	de?	YN			2	1
Headspace in VOA Vials (>6mm):	⊡Yes	ENO	ON/A	16.			1 18	•			-
Trip Blank Present:	⊡Yes	ONo	EN/A	17.	9						-
Trip Blank Custody Seals Present	⊡Yes	⊡No	DN/A		<i></i>	-		8			
Pace Trip Blank Lot # (if applicable):								Ę			
Client Notification/ Resolution:		- 10,40,004 () ()		Field Data Require	ed?		Y /	N	-		-
Person Contacted:				Date/	Time:						
comments/ Resolution:		_									
			1								-

• РМ (Project Manager) review is documented electronically in LIMS.

_...,

ENV-FRM-MELV-DO2401



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

Type: Drinking Water Origin: Raw Well Routine

TEL: (516) 370-6000 FAX: (516) 886-5526 www.pacelabs.com Port Washington W.D.

P.O. BOX 432

Port Washington, NY 11050

Attn To: Supt.Paul Prignano

Federal ID :	2912267	
Collected :	03/06/2023 09:58 AM	Point
Received :	03/06/2023 01:10 PM	Location
Collected By	CLIENT	

Lab No. : 70248356001

Client Sample ID.: N-09809

Analytical Method: EPA 522		Prep Method:	EPA 522		Prep Date:	03/07/2023 10:57	
Parameter(s)	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.81		1	ug/L	1 (03/07/2023 10:11	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	103%		1	%REC		03/07/2023 10:11	001 AG2R1/2

N-09809 Stoneytown 10 Flwr Hl

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.

page 1 of 32

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.

WorkOrder :

70248356

Laboratory Certifications

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208 Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 10478 Primary Accrediting Body Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340 Virginia Certification # 460302

WorkOrder :

70248356

Additional Qualifiers

E - Analyte concentration exceeded the calibration range. The reported result is estimated.

IL - This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

L1 - Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

L2 - Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

N3 - Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

v3 - The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.



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Additional Comments

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Inermometer Used: Inuer Yuluy	Correct	ion Factor	: +0.	1(10)	Samples on	ice, cooling process has begun
Cooler lemperature[°C]: 3.6		emperati	ire Correct		Date/Time S	5035A kits placed in freezer
USDA Regulated Soil (WN/A, water sample	9]		*)	Date and Initia	' Ils of person examinii	ng contents: 2/6/23 E11
Did samples originate in a quarantine zone w	ithin the U	nited State	es: AL, AR, CA	, FL, GA, ID, LA, MS	S. NC. Did samples	orignate from a foreign source
NM, NY, OK, QR, SC, TN, TX, or VA (check man)	□ Ye	s 🗆 No			including Hay	waji and Puerto Ricol? Ves No
If Yes to either question, fill out a Regulat	ed Soil Ch	ecklist (F-	-LI-C-010) a	nd include with	SCUR/COC paperwork	
				1	COMM	IENTS:
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Samples Arrived within Hold Time-	Ell'os		Cartyry	5		
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Sample Labels match COC.	Lites		LINTA	12	S II SCONTIENT IS VISIDLE I	
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pH paper Lot #				1 ×		
All containers needing preservation are found	l to be			Sample #		
in compliance with method recommendation	?					
$(HNO_3, H_2SO_4, HCl, NaOH>9$ Sulfide,	⊡Yes	DNo 👒	DN/A	1		3
NAOH>12 Cyanide)			Construction of			
Exceptions: VOA, Coliform, TOC/DOC, Oil and G	rease,					
DR0/8015 (water).	·			Initial when com	pleted: Lot # of adde	d Date/Time preservative
Per Method, VOA pH is checked after analysis			6		preservative:	added:
Samples checked for dechlorination:	⊡Yes	DNo	A/NC	14.	+	4
KI starch test strips Lot #.	8 48 C			- 52 S	2	
Residual chlorine strips Lot #			. u	Positiv	e for Res. Chlorine? Y	N
SM 4500 CN samples checked for sulfide?	⊡Yes	⊡No	DN/A-	15.		
Lead Acetate Strips Lot #				Positiv	e for Sulfide? Y	N
Headspace in VOA Vials (>6mm):	⊡Yes	⊡No	DN/A	16.		
Trip Blank Present:	⊡Yes	DNo	DN/A	17.		1
Trip Blank Custody Seals Present	⊡Yes	⊡No	DN/A			
Pace Trip Blank Lot # (if applicable):		-		2		29 a.)
Client Notification/Resolution-			0	Field Data Requir	red? Y	/ N
Person Contacted				Date	Time:	,
Comments/ Resolution:					2	
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--- ENV-FRM-MELV-0024 01



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

March 31, 2023

Jennifer Aracri Pace Analytical Services - Long Island, NY 575 Broad Hollow Road Melville, NY 11747

Project Location: 1,4 Dioxane/POC/PFAS 3/6 Client Job Number: Project Number: 70248356 Laboratory Work Order Number: 23C1021

Enclosed are results of analyses for samples as received by the laboratory on March 8, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeopica Hoffman

Jessica L. Hoffman Project Manager

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

Pace Analytical Services - Long Island, NY 575 Broad Hollow Road Melville, NY 11747 ATTN: Jennifer Aracri

REPORT DATE: 3/31/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 70248356

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23C1021

The results of analyses performed on the following samples submitted to Con-Test, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 1,4 Dioxane/POC/PFAS 3/6

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
N-09809	23C1021-01	Drinking Water		EPA 533	
N-0980 FB	23C1021-02	Water		EPA 533	
GAC-09809	23C1021-03	Drinking Water		EPA 533	
GAC-09809 FB	23C1021-04	Water		EPA 533	


CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Qualifications:

L-01

Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side. Analyte & Samples(s) Qualified:

8:2 Fluorotelomersulfonic acid (8:2

B333785-BSD1

9CI-PF3ONS (F53B Minor)

B333785-BSD1

Perfluorododecanoic acid (PFDoA)

B333785-BSD1

PF-18

Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.

Analyte & Samples(s) Qualified:

M2-4:2FTS

23C1021-01[N-09809], 23C1021-03[GAC-09809]

M2-6:2FTS

23C1021-03[GAC-09809]

M2-8:2FTS

23C1021-03[GAC-09809]

M9PFNA

23C1021-03[GAC-09809]

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this

compound. Analyte & Samples(s) Qualified:

8:2 Fluorotelomersulfonic acid (8:2 B333785-BSD1

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

M2-4:2FTS

S084956-CCV1, S084956-CCV2, S085177-CCV2, S085177-CCV3

M2-6:2FTS

S084956-CCV1, S084956-CCV2, S084956-CCV4, S085177-CCV2

M2-8:2FTS

S084956-CCV1, S085177-CCV2, S085177-CCV3

M3HFPO-DA

S084956-CCV2, S084956-CCV3, S084956-CCV4, S085177-CCV2, S085177-CCV3

Z-01

Extracted internal standard outside of control limits. Insufficient volume to re-extract.

Analyte & Samples(s) Qualified:

M2-8:2FTS

23C1021-02[N-0980 FB], 23C1021-04[GAC-09809 FB]



The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lua Watshington

Lisa A. Worthington Technical Representative



Project Location: 1,4 Dioxane/POC/PFAS 3/6

Date Received: 3/8/2023

Field Sample #: N-09809

Sample ID: 23C1021-01

Sample Matrix: Drinking Water

Samplade	2/6/2022	00.58
Sampled:	3/0/2023	09:38

Sample Description:

			Semiv	volatile Organi	ic Compour	ds by - LC/	/MS-MS				
				MCL/SMCL					Date	Date/Time	
Analyte	Results	RL	DL	MA ORSG	Units	DF	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	2.9	1.8	0.62		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluorobutanesulfonic acid (PFBS)	1.3	1.8	0.40		ng/L	1	J	EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluoropentanoic acid (PFPeA)	3.7	1.8	0.51		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluorohexanoic acid (PFHxA)	3.9	1.8	0.52		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.61		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.68		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.68		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.78		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.56		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8	0.48		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.44		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.67		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluoroheptanesulfonic acid (PFHpS)	0.70	1.8	0.30		ng/L	1	J	EPA 533	3/9/23	3/22/23 4:36	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.47		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluorohexanesulfonic acid (PFHxS)	3.7	1.8	0.64		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.33		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.65		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	1.3		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluoropetanesulfonic acid (PFPeS)	0.76	1.8	0.50		ng/L	1	J	EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.45		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.70		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluoroheptanoic acid (PFHpA)	2.3	1.8	0.79		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluorooctanoic acid (PFOA)	5.8	1.8	0.67		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluorooctanesulfonic acid (PFOS)	2.0	1.8	0.40		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW
Perfluorononanoic acid (PFNA)	ND	1.8	0.47		ng/L	1		EPA 533	3/9/23	3/22/23 4:36	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	43.3 *	50-200	PF-18	3/22/23 4:36
M2-8:2FTS	154	50-200		3/22/23 4:36
MPFBA	82.8	50-200		3/22/23 4:36
M3HFPO-DA	70.7	50-200		3/22/23 4:36
M6PFDA	63.5	50-200		3/22/23 4:36
M3PFBS	104	50-200		3/22/23 4:36
M7PFUnA	61.9	50-200		3/22/23 4:36
M2-6:2FTS	54.2	50-200		3/22/23 4:36
M5PFPeA	80.5	50-200		3/22/23 4:36
M5PFHxA	77.8	50-200		3/22/23 4:36
M3PFHxS	92.6	50-200		3/22/23 4:36
M4PFHpA	67.3	50-200		3/22/23 4:36
M8PFOA	64.0	50-200		3/22/23 4:36
M8PFOS	95.6	50-200		3/22/23 4:36
M9PFNA	56.5	50-200		3/22/23 4:36
MPFDoA	57.7	50-200		3/22/23 4:36



Work Order: 23C1021

Project Location: 1,4 Dioxane/POC/PFAS 3/6 Date Received: 3/8/2023

Field Sample #: N-0980 FB

Sample ID: 23C1021-02

Sample Matrix: Water

Sampled: 3/6/2023 09:58

Sample Description:

			Semivolati	e Organic Compound	ds by - LC/	MS-MS				
								Date	Date/Time	
Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.8	0.64	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.41	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.8	0.52	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.8	0.53	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.62	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.70	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.69	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.79	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.57	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8	0.49	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.45	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.68	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.31	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.48	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.65	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.33	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.66	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	1.4	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8	0.51	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.46	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.72	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.80	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8	0.69	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.41	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW
Perfluorononanoic acid (PFNA)	ND	1.8	0.49	ng/L	1		EPA 533	3/9/23	3/22/23 4:44	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	58.4	50-200		3/22/23 4:44
M2-8:2FTS	286 *	50-200	Z-01	3/22/23 4:44
MPFBA	108	50-200		3/22/23 4:44
M3HFPO-DA	128	50-200		3/22/23 4:44
M6PFDA	124	50-200		3/22/23 4:44
M3PFBS	118	50-200		3/22/23 4:44
M7PFUnA	105	50-200		3/22/23 4:44
M2-6:2FTS	67.5	50-200		3/22/23 4:44
M5PFPeA	110	50-200		3/22/23 4:44
M5PFHxA	115	50-200		3/22/23 4:44
M3PFHxS	103	50-200		3/22/23 4:44
M4PFHpA	109	50-200		3/22/23 4:44
M8PFOA	109	50-200		3/22/23 4:44
M8PFOS	108	50-200		3/22/23 4:44
M9PFNA	109	50-200		3/22/23 4:44
MPFDoA	91.3	50-200		3/22/23 4:44



Project Location: 1,4 Dioxane/POC/PFAS 3/6

Date Received: 3/8/2023

Field Sample #: GAC-09809

Sample Matrix: Drinking Water

Sample ID: 23C1021-03

Sampled: 3/6/2023 09:45

Sample Description:

Work Order: 23C1021

			Semiv	volatile Organic	: Compour	ds by - LC/	MS-MS				
				MCL/SMCL					Date	Date/Time	
Analyte	Results	RL	DL	MA ORSG	Units	DF	Flag/Qual	Method	Prepared	Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.1	1.8	0.63		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluorobutanesulfonic acid (PFBS)	1.2	1.8	0.41		ng/L	1	J	EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluoropentanoic acid (PFPeA)	4.3	1.8	0.52		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluorohexanoic acid (PFHxA)	4.2	1.8	0.53		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.62		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.69		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.69		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.79		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.57		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8	0.49		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.45		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.68		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.31		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.47		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluorohexanesulfonic acid (PFHxS)	1.9	1.8	0.64		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.33		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.66		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	1.3		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluoropetanesulfonic acid (PFPeS)	0.56	1.8	0.50		ng/L	1	J	EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.46		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.71		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluoroheptanoic acid (PFHpA)	1.9	1.8	0.80		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluorooctanoic acid (PFOA)	3.5	1.8	0.68		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.41		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW
Perfluorononanoic acid (PFNA)	ND	1.8	0.48		ng/L	1		EPA 533	3/9/23	3/22/23 4:51	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	39.9 *	50-200	PF-18	3/22/23 4:51
M2-8:2FTS	207 *	50-200	PF-18	3/22/23 4:51
MPFBA	67.0	50-200		3/22/23 4:51
M3HFPO-DA	57.1	50-200		3/22/23 4:51
M6PFDA	57.9	50-200		3/22/23 4:51
M3PFBS	106	50-200		3/22/23 4:51
M7PFUnA	57.9	50-200		3/22/23 4:51
M2-6:2FTS	47.9 *	50-200	PF-18	3/22/23 4:51
M5PFPeA	62.2	50-200		3/22/23 4:51
M5PFHxA	59.8	50-200		3/22/23 4:51
M3PFHxS	91.9	50-200		3/22/23 4:51
M4PFHpA	53.8	50-200		3/22/23 4:51
M8PFOA	51.1	50-200		3/22/23 4:51
M8PFOS	92.5	50-200		3/22/23 4:51
M9PFNA	46.4 *	50-200	PF-18	3/22/23 4:51
MPFDoA	58.3	50-200		3/22/23 4:51



Work Order: 23C1021

Project Location: 1,4 Dioxane/POC/PFAS 3/6

Date Received: 3/8/2023

Field Sample #: GAC-09809 FB

Sample ID: 23C1021-04

Sample Matrix: Water

A)

A)

(NFDHA)

Perfluorohexanesulfonic acid (PFHxS)

Perfluoro-4-oxapentanoic acid (PFMPA)

Perfluoro-5-oxahexanoic acid (PFMBA)

6:2 Fluorotelomersulfonic acid (6:2FTS

Perfluoropetanesulfonic acid (PFPeS)

Perfluoroundecanoic acid (PFUnA)

Nonafluoro-3,6-dioxaheptanoic acid

Perfluoroheptanoic acid (PFHpA)

Perfluorooctanoic acid (PFOA)

ND

ND

ND

ND

ND

ND

ND

ND

ND

1.8

1.8

1.8

1.8

1.8

1.8

1.8

1.8

1.8

0.63

0.32

0.64

1.3

0.49

0.45

0.69

0.78

0.66

Sampled	3/6/2023	00.45
Sampled:	3/0/2023	09:45

Sample Description:

Semivolatile Organic Compounds by - LC/MS-MS										
Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.8	0.61	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.40	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.8	0.50	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.8	0.51	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.60	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.67	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.67	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.77	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.55	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8	0.47	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.44	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.66	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.30	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS	ND	1.8	0.46	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW

ng/L

ng/L

ng/L

ng/L

ng/L

ng/L

ng/L

ng/L

ng/L

1

1

1

1

1

1

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1

1

EPA 533

3/9/23

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3/22/23 4:58

QNW

QNW

QNW

QNW

QNW

QNW

QNW

QNW

QNW

Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.40	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
Perfluorononanoic acid (PFNA)	ND	1.8	0.47	ng/L	1		EPA 533	3/9/23	3/22/23 4:58	QNW
Surrogates		% R	ecovery	Recovery Limits		Flag/Qual				
M2-4:2FTS		54.4	1	50-200					3/22/23 4:58	
M2-8:2FTS		243	*	50-200		Z-01			3/22/23 4:58	
MPFBA		112	1	50-200					3/22/23 4:58	
M3HFPO-DA		134	ŀ	50-200					3/22/23 4:58	
M6PFDA		115		50-200					3/22/23 4:58	
M3PFBS		100)	50-200					3/22/23 4:58	
M7PFUnA		108	;	50-200					3/22/23 4:58	
M2-6:2FTS		57.2	2	50-200					3/22/23 4:58	
M5PFPeA		110)	50-200					3/22/23 4:58	
M5PFHxA		112	1	50-200					3/22/23 4:58	
M3PFHxS		87.6	5	50-200					3/22/23 4:58	
M4PFHpA		108	;	50-200					3/22/23 4:58	
M8PFOA		112	1	50-200					3/22/23 4:58	
M8PFOS		94.3	3	50-200					3/22/23 4:58	
M9PFNA		102	2	50-200					3/22/23 4:58	
MPFDoA		87.6	5	50-200					3/22/23 4:58	



Sample Extraction Data

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C1021-01 [N-09809]	B333785	282	1.00	03/09/23
23C1021-02 [N-0980 FB]	B333785	276	1.00	03/09/23
23C1021-03 [GAC-09809]	B333785	279	1.00	03/09/23
23C1021-04 [GAC-09809 FB]	B333785	286	1.00	03/09/23



Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B333785 - EPA 533											
Blank (B333785-BLK1)					Prepared: 03	3/09/23 Anal	yzed: 03/22/2	23			
Perfluorobutanoic acid (PFBA)	ND	1.7	0.59	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.7	0.38	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.7	0.49	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.7	0.50	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.7	0.58	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.7	0.65	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7	0.65	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7	0.74	ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.7	0.53	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.7	0.46	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.7	0.42	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7	0.64	ng/L							
Pertluoroheptanesulfonic acid (PFHpS)	ND	1.7	0.29	ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.7	0.44	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.7	0.61	ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7	0.31	ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7	0.62	ng/L							
6:2 Fluorotelomersultonic acid (6:2FTS A)	ND	1.7	1.3	ng/L							
Perfluoropetanesulfonic acid (PFPeS)	ND	1.7	0.47	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.7	0.43	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7	0.67	ng/L							
Perfluoroneptanoic acid (PFHpA)	ND	1.7	0.75	ng/L							
Perflueroestanosulfenia acid (PEOS)	ND	1.7	0.04	ng/L							
Perfluorononanoic acid (PENA)	ND	1.7	0.38	ng/L							
	ND (220	1.7	0.45	п <u>д</u> /L	0280		(7.4	50 200			
Surrogate: M2-4:2F1S	6320 0720			ng/L	9380		6/.4 101	50-200			
Surrogate: M2-8:2F1S	9720			ng/L	10000		101	50.200			
Surrogate: M3HFPO-DA	31.1			ng/L	33.8		92.2	50-200			
Surrogate: M6PFDA	9200			ng/L	10000		92.0	50-200			
Surrogate: M3PFBS	8220			ng/L	9320		88.2	50-200			
Surrogate: M7PFUnA	9010			ng/L	10000		90.1	50-200			
Surrogate: M2-6:2FTS	6660			ng/L	9510		70.0	50-200			
Surrogate: M5PFPeA	8740			ng/L	10000		87.4	50-200			
Surrogate: M5PFHxA	9560			ng/L	10000		95.6	50-200			
Surrogate: M3PFHxS	7310			ng/L	9480		77.1	50-200			
Surrogate: M4PFHpA	8150			ng/L	10000		81.5	50-200			
Surrogate: M8PFOA	8270			ng/L	10000		82.7	50-200			
Surrogate: M8PFOS	9250			ng/L	9590		96.5	50-200			
Surrogate: M9PFNA	8510			ng/L	10000		85.1	50-200			
Surrogate: MPPDoA	6440			ng/L	10000		64.4	50-200			
LCS (B333785-BS1)					Prepared: 03	3/09/23 Anal	yzed: 03/22/2	23			
Perfluorobutanoic acid (PFBA)	9.67	1.8	0.65	ng/L	9.23		105	70-130			
Perfluorobutanesulfonic acid (PFBS)	9.15	1.8	0.42	ng/L	8.17		112	70-130			
Perfluoropentanoic acid (PFPeA)	9.46	1.8	0.53	ng/L	9.23		102	70-130			
Perfluorohexanoic acid (PFHxA)	10.5	1.8	0.54	ng/L	9.23		114	70-130			
11Cl-PF3OUdS (F53B Major)	7.30	1.8	0.64	ng/L	8.70		83.9	70-130			



Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B333785 - EPA 533											
LCS (B333785-BS1)					Prepared: 03	/09/23 Analy	zed: 03/22/2	23			
9Cl-PF3ONS (F53B Minor)	9.70	1.8	0.71	ng/L	8,60		113	70-130			
4,8-Dioxa-3H-perfluorononanoic acid	10.6	1.8	0.71	ng/L	8,70		122	70-130			
(ADONA)	10.0	,		0							
Hexafluoropropylene oxide dimer acid (HEPO-DA)	10.0	1.8	0.81	ng/L	9.23		108	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8 33	1.8	0.59	ng/L	8.86		93.9	70-130			
Perfluorodecanoic acid (PFDA)	11.0	1.8	0.50	ng/L	9.23		119	70-130			
Perfluorododecanoic acid (PFDoA)	11.0	1.8	0.46	ng/L	9.23		121	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid	9 51	1.8	0.69	ng/L	8.22		116	70-130			
(PFEESA)	9.01			÷							
Perfluoroheptanesulfonic acid (PFHpS)	7.43	1.8	0.32	ng/L	8.82		84.2	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	9.16	1.8	0.49	ng/L	8.63		106	70-130			
Perfluorohexanesulfonic acid (PFHxS)	8.46	1.8	0.66	ng/L	8.45		100	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	8.76	1.8	0.34	ng/L	9.23		94.9	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	8.73	1.8	0.67	ng/L	9.23		94.5	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	9.61	1.8	1.4	ng/L	8.77		110	70-130			
Perfluoropetanesulfonic acid (PFPeS)	7.76	1.8	0.52	ng/L	8.68		89.5	70-130			
Perfluoroundecanoic acid (PFUnA)	10.4	1.8	0.47	ng/L	9.23		113	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.92	1.8	0.73	ng/L	9.23		107	70-130			
Perfluoroheptanoic acid (PFHpA)	10.0	1.8	0.82	ng/L	9.23		109	70-130			
Perfluorooctanoic acid (PFOA)	9.71	1.8	0.70	ng/L	9.23		105	70-130			
Perfluorooctanesulfonic acid (PFOS)	8.38	1.8	0.42	ng/L	8.54		98.1	70-130			
Perfluorononanoic acid (PFNA)	8.34	1.8	0.49	ng/L	9.23		90.3	70-130			
Surrogate: M2-4:2FTS	5110			ng/L	9380		54.5	50-200			
Surrogate: M2-8:2FTS	7790			ng/L	9600		81.1	50-200			
Surrogate: MPFBA	8540			ng/L	10000		85.4	50-200			
Surrogate: M3HFPO-DA	36.8			ng/L	36.9		99.5	50-200			
Surrogate: M6PFDA	10600			ng/L	10000		106	50-200			
Surrogate: M3PFBS	7470			ng/L	9320		80.1	50-200			
Surrogate: M7PFUnA	10200			ng/L	10000		102	50-200			
Surrogate: M2-6:2FTS	5200			ng/L	9510		54.7	50-200			
Surrogate: M5PFPeA	8410			ng/L	10000		84.1	50-200			
Surrogate: M5PFHxA	9340			ng/L	10000		93.4	50-200			
Surrogate: M3PFHxS	6520			ng/L	9480		68.8	50-200			
Surrogate: M4PFHpA	8030			ng/L	10000		80.3	50-200			
Surrogate: M8PFOA	8670			ng/L	10000		86.7	50-200			
Surrogate: M8PFUS	9110			ng/L	9590		95.0 06.2	50-200			
Surrogate: MPFDoA	9620 8230			ng/L ng/I	10000		96.2 82 3	50-200 50-200			
Surrogate. INF FDUA	0250			ng/L	10000		02.3	50-200			
LCS Dup (B333785-BSD1)					Prepared: 03	/09/23 Analy	zed: 03/22/2	23			
Perfluorobutanoic acid (PFBA)	10.7	1.8	0.63	ng/L	8.95		120	70-130	10.1	30	
Perfluorobutanesulfonic acid (PFBS)	9.89	1.8	0.41	ng/L	7.92		125	70-130	7.80	30	
Perfluoropentanoic acid (PFPeA)	10.7	1.8	0.51	ng/L	8.95		120	70-130	12.7	30	
Perfluorohexanoic acid (PFHxA)	11.4	1.8	0.53	ng/L	8.95		128	70-130	8.63	30	
11Cl-PF3OUdS (F53B Major)	7.68	1.8	0.62	ng/L	8.43		91.1	70-130	5.13	30	
9CI-PF3ONS (F53B Minor)	11.3	1.8	0.69	ng/L	8.34		135 *	70-130	15.1	30	L-01
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	10.4	1.8	0.68	ng/L	8.43		123	70-130	1.49	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	10.6	1.8	0.79	ng/L	8.95		118	70-130	5.48	30	



		Reporting	_	TT T	Spike	Source	0/5-	~	%REC		RPD	N T .
Analyte	Result	Limit	DL	Units	Level	Result	%REC	5	Limits	RPD	Lımit	Notes
Batch B333785 - EPA 533												
LCS Dup (B333785-BSD1)					Prepared: 03	3/09/23 Analy	zed: 03/2	22/2	3			
8:2 Fluorotelomersulfonic acid (8:2FTS	12.6	1.8	0.57	ng/L	8.59		147	*	70-130	41.2 *	30	L-01, R-05
A)												
Perfluorodecanoic acid (PFDA)	11.0	1.8	0.48	ng/L	8.95		123		70-130	0.247	30	
Perfluorododecanoic acid (PFDoA)	12.2	1.8	0.45	ng/L	8.95		136	*	70-130	8.83	30	L-01
Perfluoro(2-ethoxyethane)sulfonic acid (PEEESA)	10.1	1.8	0.67	ng/L	7.97		127		70-130	5.87	30	
Perfluoroheptanesulfonic acid (PFHpS)	7.80	1.8	0.31	ng/L	8.55		91.2		70-130	4.87	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	10.6	1.8	0.47	ng/L	8.37		126		70-130	14.2	30	
Perfluorohexanesulfonic acid (PFHxS)	9.18	1.8	0.64	ng/L	8.19		112		70-130	8.15	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	9.58	1.8	0.33	ng/L	8.95		107		70-130	8.96	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	9.50	1.8	0.65	ng/L	8.95		106		70-130	8.53	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	9.86	1.8	1.3	ng/L	8.50		116		70-130	2.52	30	
Perfluoropetanesulfonic acid (PFPeS)	9.27	1.8	0.50	ng/L	8.41		110		70-130	17.7	30	
Perfluoroundecanoic acid (PFUnA)	11.0	1.8	0.46	ng/L	8.95		122		70-130	5.16	30	
Nonafluoro-3,6-dioxaheptanoic acid	10.7	1.8	0.71	ng/L	8.95		119		70-130	7.19	30	
(NFDHA)				-								
Perfluoroheptanoic acid (PFHpA)	10.5	1.8	0.80	ng/L	8.95		117		70-130	4.17	30	
Perfluorooctanoic acid (PFOA)	9.92	1.8	0.68	ng/L	8.95		111		70-130	2.17	30	
Perfluorooctanesulfonic acid (PFOS)	9.66	1.8	0.41	ng/L	8.28		117		70-130	14.3	30	
Perfluorononanoic acid (PFNA)	10.1	1.8	0.48	ng/L	8.95		113		70-130	19.0	30	
Surrogate: M2-4:2FTS	6380			ng/L	9380		68.0		50-200			
Surrogate: M2-8:2FTS	8070			ng/L	9600		84.0		50-200			
Surrogate: MPFBA	11100			ng/L	10000		111		50-200			
Surrogate: M3HFPO-DA	41.6			ng/L	35.8		116		50-200			
Surrogate: M6PFDA	13600			ng/L	10000		136		50-200			
Surrogate: M3PFBS	8940			ng/L	9320		95.9		50-200			
Surrogate: M7PFUnA	13100			ng/L	10000		131		50-200			
Surrogate: M2-6:2FTS	6340			ng/L	9510		66.7		50-200			
Surrogate: M5PFPeA	11100			ng/L	10000		111		50-200			
Surrogate: M5PFHxA	12200			ng/L	10000		122		50-200			
Surrogate: M3PFHxS	7680			ng/L	9480		81.0		50-200			
Surrogate: M4PFHpA	10800			ng/L	10000		108		50-200			
Surrogate: M8PFOA	10600			ng/L	10000		106		50-200			
Surrogate: M8PFOS	10200			ng/L	9590		106		50-200			
Surrogate: M9PFNA	12100			ng/L	10000		121		50-200			
Surrogate: MPFDoA	9940			ng/L	10000		99.4		50-200			
Batch B334834 - EPA 533												
Blank (B334834-BLK1)					Prepared: 03	3/27/23 Analy	zed: 03/2	28/2	3			
Perfluorobutanoic acid (PFBA)	ND	1.9	0.67	ng/L								
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.43	ng/L								
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.55	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.56	ng/L								
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.66	ng/L								
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.74	ng/L								
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.73	ng/L								
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.84	ng/L								
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.61	ng/L								
Perfluorodecanoic acid (PFDA)	ND	1.9	0.52	ng/L								
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.48	ng/L								



		Reporting			Spike	Source		%REC		RPD	
Analyte	Result	Limit	DL	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B334834 - EPA 533											
Blank (B334834-BLK1)					Prepared: 03	/27/23 Analy	zed: 03/28/2	3			
Perfluoro(2-ethoxyethane)sulfonic acid	ND	1.9	0.72	ng/L	1	,					
(PFEESA)				5							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.33	ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.50	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.69	ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.35	ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.70	ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.4	ng/L							
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9	0.54	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.49	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.76	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.85	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.9	0.72	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.43	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.9	0.51	ng/L							
Surrogate: M2-4:2FTS	10600			ng/L	9380		113	50-200			
Surrogate: M2-8:2FTS	12900			ng/L	9600		135	50-200			
Surrogate: MPFBA	10800			ng/L	10000		108	50-200			
Surrogate: M3HFPO-DA	51.0			ng/L	38.2		133	50-200			
Surrogate: M6PFDA	14200			ng/L	10000		142	50-200			
Surrogate: M3PFBS	9740			ng/L	9320		104	50-200			
Surrogate: M7PFUnA	11800			ng/L	10000		118	50-200			
Surrogate: M2-6:2FTS	11500			ng/L	9510		121	50-200			
Surrogate: M5PFPeA	10800			ng/L	10000		108	50-200			
Surrogate: MSPFHXA	11700			ng/L	10000		117	50-200			
Surrogate: MAPEURA	8000			ng/L	9480		90.7	50-200			
Surrogate: MAPTODA	11200			ng/L	10000		112	50-200			
Surrogate: M8PFOS	11400			ng/L	9590		114	50-200			
Surrogate: M9PFNA	13300			ng/L	10000		133	50-200			
Surrogate: MPFDoA	9920			ng/L	10000		99.2	50-200			
	, / ± 0							20 200			
LCS (B334834-BS1)			0.53	~	Prepared: 03	/27/23 Analy	zed: 03/28/2	3			
Pertiuorobutanoic acid (PFBA)	1.84	1.8	0.64	ng/L	1.81		102	50-150			÷
Pertluorobutanesulfonic acid (PFBS)	1.56	1.8	0.41	ng/L	1.61		96.9	50-150			J
Perfluoropentanoic acid (PFPeA)	1.81	1.8	0.52	ng/L	1.81		99.8	50-150			
Pertluorohexanoic acid (PFHxA)	1.71	1.8	0.53	ng/L	1.81		94.2	50-150			J
11CI-PF3OUdS (F53B Major)	1.06	1.8	0.62	ng/L	1.71		61.9	50-150			J
9CI-PF3ONS (F53B Minor)	1.50	1.8	0.70	ng/L	1.69		88.8	50-150			J
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.62	1.8	0.69	ng/L	1.71		94.8	50-150			J
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.75	1.8	0.80	ng/L	1.81		96.4	50-150			J
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.48	1.8	0.57	ng/L	1.74		84.7	50-150			J
Perfluorodecanoic acid (PFDA)	1.63	1.8	0.49	ng/L	1.81		89.8	50-150			J
Perfluorododecanoic acid (PFDoA)	1.87	1.8	0.45	ng/L	1.81		103	50-150			
Perfluoro(2-ethoxyethane)sulfonic acid	1.84	1.8	0.68	ng/L	1.61		114	50-150			
(PFEESA)		1.0	0.21	/T	1 = 2			50 150			Ŧ
A2 Elyeptelemental fonic acid (PFHpS)	1.29	1.8	0.31	ng/L	1.73		74.5	50-150			J
4:2 Fluoroleiomersulionic acid (4:2F1SA)	1.47	1.8	0.48	ng/L	1.70		86.6	50-150			Ţ
Perflueronexanesultonic acid (PFHxS)	1.51	1.8	0.65	ng/L	1.66		90.9	50-150			J
Pertiuoro-4-oxapentanoic acid (PFMPA)	1.81	1.8	0.33	ng/L	1.81		100	50-150			



Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B334834 - EPA 533											
LCS (B334834-BS1)					Prepared: 03	3/27/23 Analy	yzed: 03/28/2	.3			
Perfluoro-5-oxahexanoic acid (PFMBA)	1 80	1.8	0.66	ng/L	1.81		99.5	50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1 43	1.8	1.4	ng/L	1.72		83.2	50-150			J
Perfluoropetanesulfonic acid (PFPeS)	1.43	1.8	0.51	ng/L	1.71		85.9	50-150			J
Perfluoroundecanoic acid (PFUnA)	1.47	1.8	0.47	ng/L	1.71		95.9	50-150			Ţ
Nonafluoro-3,6-dioxaheptanoic acid	1.74	1.8	0.72	ng/L	1.81		97.6	50-150			J
(NFDHA)	1.77			8	1.01		57.0	50 150			5
Perfluoroheptanoic acid (PFHpA)	1.58	1.8	0.81	ng/L	1.81		87.1	50-150			J
Perfluorooctanoic acid (PFOA)	2.65	1.8	0.69	ng/L	1.81		146	50-150			
Perfluorooctanesulfonic acid (PFOS)	1.39	1.8	0.41	ng/L	1.68		82.9	50-150			J
Perfluorononanoic acid (PFNA)	1.71	1.8	0.49	ng/L	1.81		94.5	50-150			J
Surrogate: M2-4:2FTS	8170			ng/L	9380		87.1	50-200			
Surrogate: M2-8:2FTS	9390			ng/L	9600		97.8	50-200			
Surrogate: MPFBA	9360			ng/L	10000		93.6	50-200			
Surrogate: M3HFPO-DA	43.9			ng/L	36.3		121	50-200			
Surrogate: M6PFDA	12400			ng/L	10000		124	50-200			
Surrogate: M3PFBS	7950			ng/L	9320		85.3	50-200			
Surrogate: M7PFUnA	10400			ng/L	10000		104	50-200			
Surrogate: M2-6:2FTS	9430			ng/L	9510		99.1	50-200			
Surrogate: M5PFPeA	9540			ng/L	10000		95.4	50-200			
Surrogate: M5PFHxA	10500			ng/L	10000		105	50-200			
Surrogate: M3PFHxS	7140			ng/L	9480		75.3	50-200			
Surrogate: M4PFHpA	9920			ng/L	10000		99.2	50-200			
Surrogate: M8PFOA	9450			ng/L	10000		94.5	50-200			
Surrogate: M8PFUS	9/80			ng/L	9590		102	50-200			
Surrogate: MPPPINA	11800			ng/L	10000		118	50-200			
Surrogate. INF FDUA	0550			ng/L	10000		05.5	50-200			
LCS Dup (B334834-BSD1)					Prepared: 03	3/27/23 Analy	yzed: 03/28/2	.3			
Perfluorobutanoic acid (PFBA)	1.94	1.9	0.66	ng/L	1.88		103	50-150	5.06	30	
Perfluorobutanesulfonic acid (PFBS)	1.64	1.9	0.43	ng/L	1.67		98.5	50-150	5.36	30	J
Perfluoropentanoic acid (PFPeA)	1.89	1.9	0.54	ng/L	1.88		100	50-150	4.14	30	J
Perfluorohexanoic acid (PFHxA)	1.90	1.9	0.55	ng/L	1.88		101	50-150	10.4	30	
11Cl-PF3OUdS (F53B Major)	1.24	1.9	0.65	ng/L	1.77		69.8	50-150	15.7	30	J
9Cl-PF3ONS (F53B Minor)	1.81	1.9	0.73	ng/L	1.76		103	50-150	18.4	30	J
4,8-Dioxa-3H-perfluorononanoic acid	1.88	1.9	0.72	ng/L	1.77		106	50-150	14.7	30	J
(ADONA) Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.09	1.9	0.83	ng/L	1.88		111	50-150	17.7	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.41	1.9	0.60	ng/L	1.81		78.2	50-150	4.25	30	J
Perfluorodecanoic acid (PFDA)	1.99	1.9	0.51	ng/L	1.88		105	50-150	19.7	30	
Perfluorododecanoic acid (PFDoA)	1.79	1.9	0.47	ng/L	1.88		95.3	50-150	4.08	30	J
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	2.05	1.9	0.71	ng/L	1.68		123	50-150	10.9	30	
Perfluoroheptanesulfonic acid (PFHpS)	1.46	1.9	0.32	ng/L	1.80		81.0	50-150	12.1	30	J
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.73	1.9	0.50	ng/L	1.76		98.3	50-150	16.3	30	J
Perfluorohexanesulfonic acid (PFHxS)	1.72	1.9	0.68	- ng/L	1.72		99.6	50-150	12.9	30	J
Perfluoro-4-oxapentanoic acid (PFMPA)	2.02	1.9	0.35	ng/L	1.88		107	50-150	10.8	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	1 98	1.9	0.69	ng/L	1.88		105	50-150	9.31	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.50	1.9	1.4	ng/L	1.79		87.6	50-150	8.88	30	J
Perfluoropetanesulfonic acid (PFPeS)	1.37	1.9	0.53	ng/L	1.77		99.0	50-150	17.8	30	J
Perfluoroundecanoic acid (PFUnA)	1.75	1.9	0.48	ng/L	1.88		102	50-150	9.63	30	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.91	1.9	0.75	ng/L	1.88		101	50-150	7.33	30	



		Poporting			Spiles	C		%PEC		רומס	
Analyte	Result	Limit	DL	Units	Level	Source Result	%REC	Limits	RPD	Limit	Notes
Batch B334834 - EPA 533											
LCS Dup (B334834-BSD1)					Prepared: 03	3/27/23 Anal	yzed: 03/28/2	23			
Perfluoroheptanoic acid (PFHpA)	1.66	1.9	0.84	ng/L	1.88		88.2	50-150	5.03	30	J
Perfluorooctanoic acid (PFOA)	2.15	1.9	0.71	ng/L	1.88		114	50-150	20.5	30	
Perfluorooctanesulfonic acid (PFOS)	1.54	1.9	0.43	ng/L	1.74		88.2	50-150	9.96	30	J
Perfluorononanoic acid (PFNA)	1.82	1.9	0.50	ng/L	1.88		96.8	50-150	6.17	30	J
Surrogate: M2-4:2FTS	9070			ng/L	9380		96.7	50-200			
Surrogate: M2-8:2FTS	10500			ng/L	9600		109	50-200			
Surrogate: MPFBA	9110			ng/L	10000		91.1	50-200			
Surrogate: M3HFPO-DA	42.2			ng/L	37.7		112	50-200			
Surrogate: M6PFDA	11200			ng/L	10000		112	50-200			
Surrogate: M3PFBS	8330			ng/L	9320		89.4	50-200			
Surrogate: M7PFUnA	9440			ng/L	10000		94.4	50-200			
Surrogate: M2-6:2FTS	11200			ng/L	9510		118	50-200			
Surrogate: M5PFPeA	9200			ng/L	10000		92.0	50-200			
Surrogate: M5PFHxA	9690			ng/L	10000		96.9	50-200			
Surrogate: M3PFHxS	7270			ng/L	9480		76.7	50-200			
Surrogate: M4PFHpA	9220			ng/L	10000		92.2	50-200			
Surrogate: M8PFOA	9490			ng/L	10000		94.9	50-200			
Surrogate: M8PFOS	9760			ng/L	9590		102	50-200			
Surrogate: M9PFNA	11100			ng/L	10000		111	50-200			
Surrogate: MPFDoA	8510			ng/L	10000		85.1	50-200			



FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
\$	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
PF-18	Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
S-29	Extracted Internal Standard is outside of control limits.
Z-01	Extracted internal standard outside of control limits. Insufficient volume to re-extract.



CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 533 in Drinking Water	
Perfluorobutanoic acid (PFBA)	NH,NY,VT-DW,ME,NJ,PA
Perfluorobutanesulfonic acid (PFBS)	NH,NY,VT-DW,ME,NJ,PA
Perfluoropentanoic acid (PFPeA)	NH,NY,VT-DW,ME,NJ,PA
Perfluorohexanoic acid (PFHxA)	NH,NY,VT-DW,ME,NJ,PA
11Cl-PF3OUdS (F53B Major)	NH,NY,VT-DW,ME,NJ,PA
OCI-PF3ONS (F53B Minor)	NH,NY,VT-DW,ME,NJ,PA
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NH,NY,VT-DW,ME,NJ,PA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH,NY,VT-DW,ME,NJ,PA
3:2 Fluorotelomersulfonic acid (8:2FTS A)	NH,NY,VT-DW,ME,NJ,PA
Perfluorodecanoic acid (PFDA)	NH,NY,VT-DW,ME,NJ,PA
Perfluorododecanoic acid (PFDoA)	NH,NY,VT-DW,ME,NJ,PA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NH,NY,VT-DW,ME,NJ,PA
Perfluoroheptanesulfonic acid (PFHpS)	NH,NY,VT-DW,ME,NJ,PA
1:2 Fluorotelomersulfonic acid (4:2FTS A)	NH,NY,VT-DW,ME,NJ,PA
Perfluorohexanesulfonic acid (PFHxS)	NH,NY,VT-DW,ME,NJ,PA
Perfluoro-4-oxapentanoic acid (PFMPA)	NH,NY,VT-DW,ME,NJ,PA
Perfluoro-5-oxahexanoic acid (PFMBA)	NH,NY,VT-DW,ME,NJ,PA
5:2 Fluorotelomersulfonic acid (6:2FTS A)	NH,NY,VT-DW,ME,NJ,PA
Perfluoropetanesulfonic acid (PFPeS)	NH,NY,VT-DW,ME,NJ,PA
Perfluoroundecanoic acid (PFUnA)	NH,NY,VT-DW,ME,NJ,PA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH,NY,VT-DW,ME,NJ,PA
Perfluoroheptanoic acid (PFHpA)	NH,NY,VT-DW,ME,NJ,PA
Perfluorooctanoic acid (PFOA)	NH,NY,VT-DW,ME,NJ,PA
Perfluorooctanesulfonic acid (PFOS)	NH,NY,VT-DW,ME,NJ,PA
Perfluorononanoic acid (PFNA)	NH,NY,VT-DW,ME,NJ,PA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023

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Inf	terna	al Transfe	er Chair	1 0	f Custod	ly —	<u> </u>		- 1	$\smile \nu$, s)
					Samples	s Pre-Logged	into eCO	C.		State Cert	Of Orig	jin: 1. [No		/		Pac	e Analytical " www.pacelabs.com
Wo	rkorde	r: 70248356	Workorde	r Na	me: 1,4DIO	XANE/POC/PI	FAS 3/6			Own	er Recei	ived	Date:	3/6/20	23	Resi	⊥ ults R	eque	sted B	v: 3/20/2023
Repo	ort To				Subcontrac	st To								Req	uested	Analys	is		(Reconnect)	<u>,</u>
Jenr Pace 575 Melv Phot	hifer Ara e Analyt Broad H ville, NY ne (631	icri lical Melville follow Road 11747)694-3040			Pace N 39 Spr East L Phone	New England ruce St, ongmeadow, M (413)525-2332	A 01028		?rese	erved Con	talners	PFAS by 533								
ltem	Sample	e ID	Sam; Type	ole (Collect Date/Time	Lab ID	Matrix	Other												LAB USE ONLY
1	N-09809		PS	3	3/6/2023 09:58	70248356001	Drinking	1				X		1			-			· · · · · · · · · · · · · · · · · · ·
2	N-09809	FB	PS	3	3/6/2023 09:58	70248356002	Drinking	1				Х					1			
3	GAC-098	09	PS	3	3/6/2023 09:45	70248356003	Drinking	1				X			1 1					
4	GAC-098	09 FB	PS	3	3/6/2023 09:45	70248356004	Drinking	1				X					1			
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Coo	ler Ter	nperature on R	Receipt 2.0	íe °	C Cus	<u>tody Seal Y</u>	or (N	Ś		Rece	eived on	Ice	(Y) oi	N			Same	oles In	itac	Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

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Page 1 of 1



Sample Container Count

2	DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Ba
	DG9A	Ascorbic/Maleic Acid	AG3T	250mL Na Thio amber	BP3S	250mL H2SO4 plastic	TEDL	Tedlar Ba
	DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue	BP2S	500mL H2SO4 plastic	BG1H	1L HCL C
	DG9S	Ammonium CI/CuSO4	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
	CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCI amber glass	BP3T	250mL Trizma	WP	Wipe
			AG1A	1L Ammonium Chloride	BP35	250mL Ammonium		
	WG90	8oz clear soil jar			BP3R	250mL NH4SO4-		
	WG40	4oz clear soil jar]		BP1Z	1L NaOH, Zn Acetate		
]		BP1N	1L HNO3 plastic]	
			-		8P18	Na Thiosulfate Amber]	

ويرجع محروب ويرجع والمراجع محرك فالمنافعة فعاقبت فالمنافعة فيكفر والقرائي المراجع فالمراجع فواقيا فالتقاف والمرافعة والمحاصر

	SOC	
DG9T	40mL Na Thio amber	2
DG9A	40mL Ascorbic acid	2
DG9Y	Citrate/Na Thiosulfate	2
DG6T	Na Thiosulfate 60mL vial	1
AG3U	250mL unpres amber	
AG3T	Na Thiosulfate 250mL	
8P18	Na Thiosulfate Amber	
AG1T	Na Thiosultate 1L	2
AG1A	(NH4CL)	2

Additional Comments

5

Pace Analytical	Client	Name:		Pro		240330
Courier: Fed Ex UPS USPS Client	Pet-	Wash		N.D.	CLIENT: PWW	Due Date: 03/15/2
Tracking #:					Tamparatura	Net Preset AVEL 199
Custody Seal on Cooler/Box Present: Life	S []NO	Seals II		ther		Mar Phys. Nana
Packing Material: Bubble Wrap Libooble	s Rada E	JZIDIOC L			Type or ice:	cooling process has been
	Contec	Tomperati		ted(°C)· Z -	7 Date/Time 503	54 kits placed in freezer
Temp should be above freezing to 6.0°C		temperad				
USDA Regulated Soil (SAN/A, water sample)			Date and Initial	s of person examining	contents: 3/6/23 E
Did samples originate in a quarantine zone w	ithin the l	Inited State	es: AL, AR, C	a, Fl., ga, id, la, ms,	NC, Did samples ori	gnate from a foreign source
NM, NY, OK, OR, SC, TN, TX, or VA [check map]?	Υ 🖸 Υ	es 🗆 No			including Hawai	i and Puerto Rico)? 🛛 Yesl
If Yes to either question, fill out a Regulat	ed Soil Cl	hecklist (F	-LI-C-010)	and include with S	CUR/COC paperwork.	
					COMMEN	ITS:
Chain of Custody Present:	Jates	DNo		1.		
Chain of Custody Filled Out:	elYes			2.		
Chain of Custody Relinquished:	C Yes			[3]	-	•
Sampler Name & Signature on COC:	Æl¥es.		ON/A	4.	····	· · · · · · · · · · · · · · · · · · ·
Samples Arrived within Hold Time:	_⊒¶es	CIN0		5		
Short Hold Time Analysis (<72hr):	· CIYes	, ENO ·		6.	·	· · · · · · · · · · · · · · · · · · ·
Rush Turn Around Time Requested: .	⊡Yes	No		7.		
Sufficient Volume: (Triple volume provided for	Ipares			8.		
Correct Containers Used:	۲Yes	⊡No		9.		
-Pace Containers Used:	AYes					
Containers Intact:	∕⊡Yes		- 4 - 12	10.		· · · · · · · · · · · · · · · · · · ·
Filtered volume received for Dissolved tests	DYes		N/A	11. Note	if sediment is visible in t	ne dissolved container.
Sample Labels match COC:	Afes	ENO		12	-	
-includes date/time/IU/Matrix: SI/W2.			1-1A1/A	17 m UM	<u>איי איי איי איי איי</u> איי איי איי איי איי	
Au containers needing preservation nave beel chooked?		L_HYU				
oH paper i ot #						
All containers needing preservation are found	l to be			Sample #		
in compliance with method recommendation	?					
(HNO3, H2SO4, HCI, NaOH>9 Sulfide,	⊏JYes	DN0	¢N/A			
NAOH>12 Cyanide)			-			
Exceptions: VOA, Coliform, TOC/DOC, Oil and G	rease,					
DR0/8015 (water).				Initial when comp	leted: Lot # of added	Date/Time preservativ
Per Method, VOA pH is checked after analysis					preservative:	added:
Samples checked for dechlorination:	CIYes	⊡No	DN/A	14.		
KI starch test strips Lot #.	•	• •				
Residual chlorine strips Lot #		<u> </u>		Positive	tor Res. Uniorine? Y N	· · · · · · · · · · · · · · · · · · ·
SM 4500 CN samples checked for sulfide?	⊡Yes	DNo	DN/A ·	,CI	for Culfid-2 M M	
Lead Acetate Strips Lot #		e-11_		POSITIVE	IOL SUIHOE? Y N	
Headspace in VUA Vials (>6mm):	LIYes			17		
Irip Blank Present: Frie Blank Queted - Quete Develo	LIYES			<i>u.</i>		
HIP DIANK CUSIODY Seals Present Pace Trin Blank Lot # fif applicable	Lites					
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Comments/ Resolution			······································			
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FedEx* Tracking

## DELIVERED

# Wednesday

3/8/2023 at 9:59 am

Signed for by: L.ARROYO

坐 Obtain Proof of delivery

How was your delivery?

☆ ☆ ☆ ☆ ☆

DELIVERY STATUS Delivered 🤡

TRACKING ID

635799772850 🖉 🟠

FROM MELVILLE, NY US

Label Created 3/7/2023 4:42 PM

PACKAGE RECEIVED BY FEDEX MELVILLE, NY 3/7/2023 5:49 PM

IN TRANSIT WINDSOR LOCKS, CT 3/8/2023 7:22 AM

OUT FOR DELIVERY WINDSOR LOCKS, CT 3/8/2023 7:31 AM

DELIVERED EAST LONGMEADOW, MA US

Delivered 3/8/2023 at 9:59 AM

 $\downarrow$  View travel history

Want updates on this shipment? Enter your email and we will do the rest!

## YOUR EMAIL

MORE OPTIONS

Manage Delivery



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SUBMIT

page 31 of 32

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East Longmeadow, MA. 01028 P: 413-525-2332 F:413-525-6405 www.pacelabs.com

Pace - NY

Client_

# Log In Back-Sheet

- Using Acceptance Policy) Any False statement will be brought to the attention of the Client - True or False



Login Sample Receipt Checklist – (Rejection Criteria Listing PEOPLE ADVANCING SCIENCE False True 571 X  $\Sigma$ X X X  $\mathbf{X}$ ۱e X ite/Time ive

Project 10410500					Rereived	on ice		5	Z	D
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Container (Circle when applicable)   1L Amber   500 mL Amber   250 mL Amber   Plastic   250 mL Amber   Plastic   Other Amber   Plastic   16oz Amber   Clear Boz   Amber Clear   4oz Amber   2oz Amber   Clear Clear   2oz Amber   Clear Clear   Plastic Bag SOC Klt   Perchlorate Soc Klt	UnP	HCI	HNO3	H2SO4	Project All Samp	ID ID	s 🛛	Collection	n Date/Time	
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