

October 6, 2022

Port Washington Water District  
PWS ID No. NY2912267  
MCL Deferral for 1,4-Dioxane  
Quarterly Report – Third Quarter 2022

## **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 with a MCL compliance deadline of 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 deferral renewal. As such, anticipating the on-going conditions of supply chain issues and regulatory delays, additional time consideration past the deferral renewal deadline will most likely be 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 is nearly complete. The Advanced Oxidation Process (AOP) reactor which will be used for the removal of 1,4-dioxane is scheduled to be delivered by the end of October and installed within the new building upon delivery. Site piping is currently being installed. In addition, the piping on the granular activated carbon (GAC) system is being drained and evaluated for repair and/or replacement.

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 by April 2023, though it is possible that the plant will not be in service until the summer of 2023, due to required start-up 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.

### Christopher Morley Park Station Wells 8, 9, and 11

The District received regulatory approval for the project from the NCDH on June 10, 2022 and from the NYSDOH on July 14, 2022. The general, electrical, and plumbing construction contracts were executed and the Notice to Proceeds were sent on June 10, 2022. Construction has begun on-site. 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 by May 10, 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 phase. As described in previous quarterly reports, the scope of this project had to be adjusted to include treatment for nitrate removal. A revised Basis of Design Report for this project was submitted for regulatory review and approved by the NCDH in February 2022. The design drawing and specifications were submitted to the NCDH and NYSDOH for review in March 2022. The District is responding to review comments from the NYSDOH and awaiting comments from the NCDH. It is anticipated that the facility will be operational by the second quarter of 2024.

Although a deferral renewal has been granted, the District will continue to implement conservation requirements and operational changes to ensure the use of Stonytown Well 10 is either minimized or avoided. Once construction is underway at Stonytown Well 10, anticipated to begin in the fourth quarter of 2022, the facility will be offline until the work is complete.

### **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 (Hewlett Well 4, Christopher Morley Park Wells 8, 9, and 11, and Stonytown Well 10), taken during the third quarter of 2022, are listed in the below table. Full laboratory reports for each sample are contained in **Attachment B**.

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

Well	Date		
	July 2022	August 2022	September 2022
Hewlett Well 4 (N-2052)	0.87	0.86	0.96 In Progress
Christopher Morley Park Well 8 (N-7551)	1.0 In Progress	NS	NS
Christopher Morley Park Well 9 (N-7552)	10.1	9.9	In Progress
Christopher Morley Park Well 11 (N-13510)	0.25	NS	NS
Stonytown Well 10 (N-9809)	NS	0.70	In Progress

NS - Not Sampled

**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](http://www.pwwd.org).

Very truly yours,

Board of Commissioners  
Port Washington Water District

Enclosures

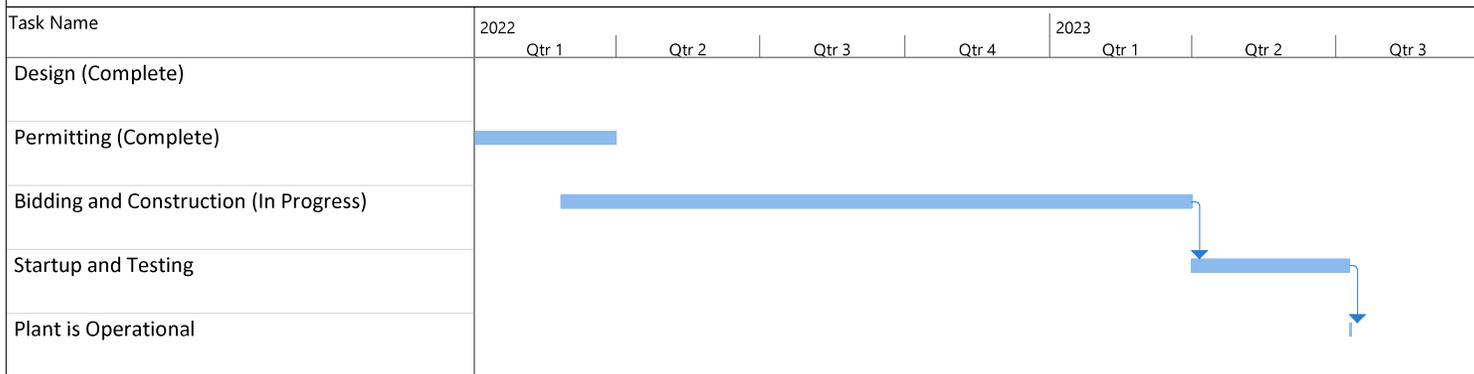
cc: K. Wheeler (NYSDOH)  
B. Rogers (NYSDOH)  
W. Provoncha (NCDH)  
P. Young (NCDH)  
R. Putnam (NCDH)  
T. Vacchio (PWWD)  
W. Merklin (D&B)  
M. Savarese (D&B)  
L. Ortiz (D&B)  
P. Connell (D&B)

**ATTACHMENT A**

**Project Schedules Associated with MCL Deferral**

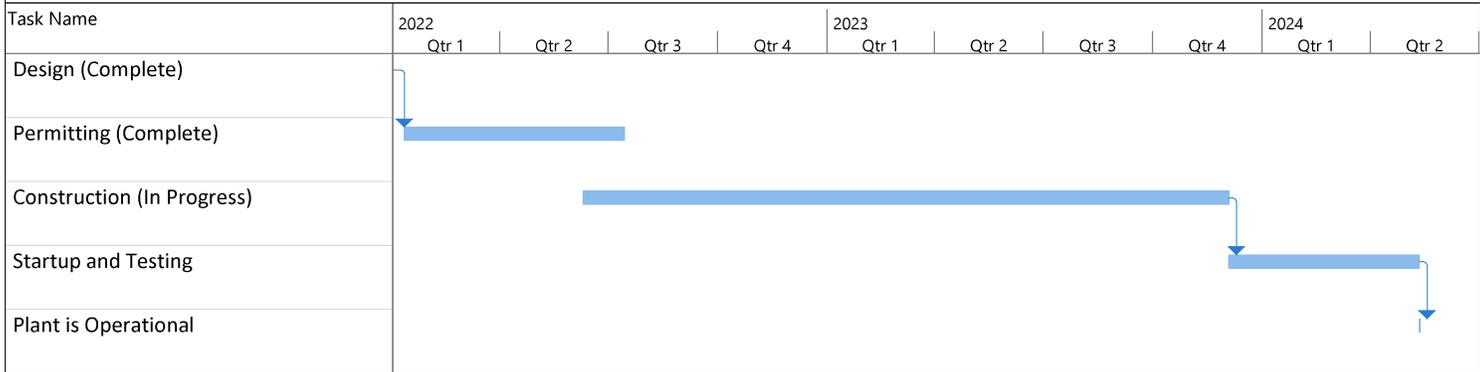
Port Washington Water District  
MCL Deferral Quarterly Report - Q3 2022

Hewlett Station Well 4  
AOP Project Schedule



Port Washington Water District  
MCL Deferral Quarterly Report - Q3 2022

Christopher Morley Park Station Wells 8, 9, and 11  
AOP Project Schedule



Port Washington Water District  
MCL Deferral Quarterly Report - Q3 2022

Stonytown Station Well 10  
AOP Project Schedule

Task Name	2022				2023				2024	
	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
Design (Complete)										
Permitting (Complete)										
Adjust Design for the Addition of Nitrate Treatment (In Progress)	[Task Bar]									
Additional Permitting (In Progress)		[Task Bar]								
Construction			[Task Bar]							
Startup and Testing							[Task Bar]			
Plant is Operational										[Task Bar]



**ATTACHMENT B**

**Water Quality Data**



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

# Laboratory Results

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

## Sample Information:

Type: Drinking Water  
 Origin: Raw Well  
 Routine

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

**Lab No. : 70221651001**  
**Client Sample ID.: N-02052**

Federal ID : 2912267  
 Collected : 07/11/2022 10:04 AM Point N-02052  
 Received : 07/11/2022 03:49 PM Location Hewlett 4  
 Collected By CLIENT Flwr HI

Analytical Method: EPA 522		Prep Method: EPA 522			Prep Date: 07/19/2022 1:27 PM		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.87	1		ug/L	1	07/20/2022 8:12 AM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	87%		1	%REC		07/20/2022 8:12 AM	001 AG2R1/2

Analytical Method: EPA 524.2							
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3	1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,1-Dichloroethane	0.85		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
Benzene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		07/19/2022 11:03	001 VG9C1/2
Bromoform	<0.50		1	ug/L		07/19/2022 11:03	001 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	07/19/2022 11:03	001 VG9C1/2
Chloroform	0.87		1	ug/L		07/19/2022 11:03	001 VG9C1/2
Chloromethane	<0.50	v3	1	ug/L	5	07/19/2022 11:03	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.

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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



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Federal ID : 2912267  
 Collected : 07/11/2022 10:04 AM Point N-02052  
 Received : 07/11/2022 03:49 PM Location Hewlett 4  
 Collected By CLIENT Flwr HI

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Dibromochloromethane	<0.50	1		ug/L		07/19/2022 11:03	001 VG9C1/2
Dibromomethane	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
Dichlorodifluoromethane	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
Ethylbenzene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
Hexachloro-1,3-butadiene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
Isopropylbenzene (Cumene)	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
Methyl-tert-butyl ether	<0.50	1		ug/L	10	07/19/2022 11:03	001 VG9C1/2
Methylene Chloride	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
Styrene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
Tetrachloroethene	<b>14.7*</b>	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
Toluene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
Total Trihalomethanes (Calc.)	0.87	1		ug/L	80	07/19/2022 11:03	001 VG9C1/2
Trichloroethene	0.95	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
Trichlorofluoromethane	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
Vinyl chloride	<0.50	1		ug/L	2	07/19/2022 11:03	001 VG9C1/2
cis-1,2-Dichloroethene	3.2	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
cis-1,3-Dichloropropene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
m&p-Xylene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
n-Butylbenzene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
n-Propylbenzene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
o-Xylene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
p-Isopropyltoluene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
sec-Butylbenzene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
tert-Butylbenzene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
trans-1,2-Dichloroethene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
trans-1,3-Dichloropropene	<0.50	1		ug/L	5	07/19/2022 11:03	001 VG9C1/2
Surr: 1,2-Dichlorobenzene-d4 (S)	91%	1		%REC		07/19/2022 11:03	001 VG9C1/2
Surr: 4-Bromofluorobenzene (S)	89%	1		%REC		07/19/2022 11:03	001 VG9C1/2

Analytical Method: EPA 524.3

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,2-Dibromo-3-chloropropane	<0.010	1		ug/L	0.2	07/13/2022 4:35 AM	001 DG9A1/2
1,2-Dibromoethane (EDB)	<0.010	1		ug/L	0.05	07/13/2022 4:35 AM	001 DG9A1/2
Surr: 1,2-Dichlorobenzene-d4 (S)	100%	1		%REC		07/13/2022 4:35 AM	001 DG9A1/2
Surr: 4-Bromofluorobenzene (S)	95%	1		%REC		07/13/2022 4:35 AM	001 DG9A1/2
Surr: tert Butyl Methyl-d3 Ether (S)	104%	1		%REC		07/13/2022 4:35 AM	001 DG9A1/2

Analytical Method: EPA 533

Prep Method: EPA 533

Prep Date: 08/04/2022 11:36

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11Cl-PF3OUdS	<1.9	1		ng/L		08/06/2022 1:02 AM	001 BP351/2
4:2 FTS	<1.9	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
6:2 FTS	<3.8	1		ng/L		08/06/2022 1:02 AM	001 BP351/2

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Jennifer Aracri

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



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Federal ID : 2912267  
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 Received : 07/11/2022 03:49 PM Location Hewlett 4  
 Collected By CLIENT Flwr HI

Parameter	Result	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
8:2 FTS	<1.9	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
9CI-PF3ONS	<1.9		1	ng/L		08/06/2022 1:02 AM	001 BP351/2
ADONA	<1.9	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
HFPO-DA	<1.9	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
NFDHA	<1.9	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
PFBA	2.8	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
PFEESA	<1.9	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
PFHpS	<1.9		1	ng/L		08/06/2022 1:02 AM	001 BP351/2
PFMBA	<1.9		1	ng/L		08/06/2022 1:02 AM	001 BP351/2
PFMPA	<1.9		1	ng/L		08/06/2022 1:02 AM	001 BP351/2
PFPeA	5.6	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
PFPeS	<1.9	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
Perfluorobutanesulfonic acid	<1.9	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
Perfluorodecanoic acid	<1.9	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
Perfluorododecanoic acid	<1.9	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
Perfluoroheptanoic acid	2.9		1	ng/L		08/06/2022 1:02 AM	001 BP351/2
Perfluorohexanesulfonic acid	3.8	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
Perfluorohexanoic acid	4.9	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
Perfluorononanoic acid	40.5	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
Perfluorooctanesulfonic acid	6.6		1	ng/L	10	08/06/2022 1:02 AM	001 BP351/2
Perfluorooctanoic acid	6.6	L1	1	ng/L	10	08/06/2022 1:02 AM	001 BP351/2
Perfluoroundecanoic acid	<1.9	L1	1	ng/L		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C2-PFDoA (S)	49%	S0	1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C24:2FTS (S)	101%		1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C26:2FTS (S)	62%		1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C28:2FTS (S)	53%		1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C3-PFBS (S)	98%		1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C3-PFHxS (S)	87%		1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C3HFPO-DA(S)	79%		1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C4-PFBA (S)	71%		1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C4-PFHpA (S)	76%		1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C5-PFHxA (S)	79%		1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C5-PFPeA (S)	76%		1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C6-PFDA (S)	51%		1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C7-PFUdA (S)	49%	S0	1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C8-PFOA (S)	65%		1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C8-PFOS (S)	82%		1	%REC		08/06/2022 1:02 AM	001 BP351/2
Surr: 13C9-PFNA (S)	57%		1	%REC		08/06/2022 1:02 AM	001 BP351/2

Analytical Method: EPA 537.1

Prep Method: EPA 537.1

Prep Date: 07/20/2022 11:25

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11CI-PF3OUdS	<1.8		1	ng/L		07/23/2022 12:40	001 BP3T1/2
9CI-PF3ONS	<1.8		1	ng/L		07/23/2022 12:40	001 BP3T1/2

**Qualifiers:**

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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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



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# Laboratory Results

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

## Sample Information:

Type: Drinking Water  
 Origin: Raw Well  
 Routine

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

**Lab No. : 70221651001**  
**Client Sample ID.: N-02052**

Federal ID : 2912267  
 Collected : 07/11/2022 10:04 AM Point N-02052  
 Received : 07/11/2022 03:49 PM Location Hewlett 4  
 Collected By CLIENT Flwr HI

Parameter	Result	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
ADONA	<1.8	1		ng/L		07/23/2022 12:40	001 BP3T1/2
HFPO-DA	<1.8	1		ng/L		07/23/2022 12:40	001 BP3T1/2
NEtFOSAA	<1.8	1		ng/L		07/23/2022 12:40	001 BP3T1/2
NMeFOSAA	<1.8	1		ng/L		07/23/2022 12:40	001 BP3T1/2
Perfluorobutanesulfonic acid	<1.8	1		ng/L		07/23/2022 12:40	001 BP3T1/2
Perfluorodecanoic acid	<1.8	1		ng/L		07/23/2022 12:40	001 BP3T1/2
Perfluorododecanoic acid	<1.8	1		ng/L		07/23/2022 12:40	001 BP3T1/2
Perfluoroheptanoic acid	3.6	1		ng/L		07/23/2022 12:40	001 BP3T1/2
Perfluorohexanesulfonic acid	3.3	1		ng/L		07/23/2022 12:40	001 BP3T1/2
Perfluorohexanoic acid	4.9	1		ng/L		07/23/2022 12:40	001 BP3T1/2
Perfluorononanoic acid	28.1	1		ng/L		07/23/2022 12:40	001 BP3T1/2
Perfluorooctanesulfonic acid	3.5	1		ng/L	10	07/23/2022 12:40	001 BP3T1/2
Perfluorooctanoic acid	5.0	1		ng/L	10	07/23/2022 12:40	001 BP3T1/2
Perfluorotetradecanoic acid	<1.8	1		ng/L		07/23/2022 12:40	001 BP3T1/2
Perfluorotridecanoic acid	<1.8	1		ng/L		07/23/2022 12:40	001 BP3T1/2
Perfluoroundecanoic acid	<1.8	1		ng/L		07/23/2022 12:40	001 BP3T1/2
Surr: 13C2-PFDA (S)	89%	1		%REC		07/23/2022 12:40	001 BP3T1/2
Surr: 13C2-PFHxA (S)	118%	1		%REC		07/23/2022 12:40	001 BP3T1/2
Surr: HFPO-DAS (S)	93%	1		%REC		07/23/2022 12:40	001 BP3T1/2
Surr: NEtFOSAA-d5 (S)	78%	1		%REC		07/23/2022 12:40	001 BP3T1/2

Analytical Method: SM22 9223B Colilert Prep Method: SM22 9223B Colilert Prep Date: 07/11/2022 6:24 PM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
E.coli	Absent	1			Absent	07/12/2022 12:24	001 SP5T1/1
Total Coliforms	Absent	1			Absent	07/12/2022 12:24	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.

Jennifer Aracri

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**WorkOrder :**  
70221651

## Laboratory Certifications

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### **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



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**WorkOrder :**  
70221651

## Laboratory Certifications

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### **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 #: NY158  
New York Certification #: 10478 Primary Accrediting Body  
Pennsylvania Certification #: 68-00350  
Rhode Island Certification #: LAO00340  
Virginia Certification # 460302



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**Additional Qualifiers**

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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.

**WO#: 70221651**  
  
 70221651

**Sample Request Form  
 PUBLIC WATER SUPPLIER**

Del. by: *Dandy* 5:49 7/11/22

**Client Info:**  
 Name or Code: Italo J. Vacchio, Superintendent  
 Address: Port Washington Water District  
P.O. Box 432  
38 Sandy Hollow Road  
Port Washington, NY 11050  
 Phone #: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Proj. # or (Name): \_\_\_\_\_  
 Bill To: \_\_\_\_\_  
 Copies To: \_\_\_\_\_

Date: 7/11/22  
 Collected By: Richard Zimbardo  
 Accepted By: Dandy 13:25 7/11/22  
 Cooler Temp: 34 °C

WELL OFF LINE \_\_\_\_\_  
 WELL RUN TO SYSTEM \_\_\_\_\_  
 YES  NO VOC'S PRESERVED WITH HCl

Sample Types	Purpose	Origin	Treatment Types
PW - Potable Water	RO - Routine	D - Distribution	AST - Air Stripper
GW - Groundwater	RE - Resample	RW - Raw Well	GAC - Granular Activated Charcoal
SW - Surface Water	S - Special	TW - Treated Well	N - Nitrate Removal Plant
WW - Waste Water		T - Tank	FE - Iron Removal Plant
AQ - Aqueous		MW - Monitoring Well	O - Other
S - Soil		I - Influent	
		E - Effluent	

**Sample Info:**

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl <sub>2</sub> pH/Temp	Analysis	Lab No.
7/11/22 10:24	GW	Hewlett 4 N-02052	RW	O	RO		BAC/POC/method 529.3/533/ 537.1/Dioxane	
7/11/22 9:45	GW	Hewlett 4 GAC-02052	TW	GAC	RO		BAC series / POC / method 529.3/ 533/537.1/Dioxane	
7/11/22 9:48	GW	Hewlett 4 NR-02052	TW	N	RO		BAC	

Remarks: \_\_\_\_\_



Sample Condition Upon Receipt

WO#: 70221651

Client Name: Pot Washington W.D.

Project

PM: JSA

Due Date: 07/20/22

CLIENT: PMW

Courier:  Fed Ex  UPS  USPS  Client  Commercial  State  Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  Yes  No — Seals intact:  Yes  No  N/A

Temperature Blank Present:  Yes  No

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Type of Ice:  Wet  Blue  None

Thermometer Used: ~~TH99~~ TH148 Correction Factor: + 0.1

Samples on ice, cooling process has begun

Cooler Temperature(°C): 3.4 Cooler Temperature Corrected(°C): 3.5

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil  (N/A, water sample)

Date and Initials of person examining contents: 7/11/22 EU

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No

Did samples originate from a foreign source including Hawaii and Puerto Rico)?  Yes  No

If Yes to either question, fill out a Regulated Soil Checklist [F-LI-C-010] and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Refiniquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for ICP)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID, Matrix: <u>SL (WT) OIL</u>		
All containers needing preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>X</u>		Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #		Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #		Positive for Sulfide? Y N
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Lead Acetate Strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # [if applicable]: _____		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

PFAS Field Blanks Received int on Col



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# Laboratory Results

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

## Sample Information:

Type: Drinking Water  
 Origin: Raw Well  
 Routine

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

**Lab No. : 70222533001**  
**Client Sample ID.: N-07552**

Federal ID : 2912267  
 Collected : 07/18/2022 09:50 AM Point N-07552  
 Received : 07/18/2022 01:12 PM Location Morely Pk 9  
 Collected By CLIENT No HIs

**Sample Comments:**  
 RUN TO WASTE

Analytical Method: EPA 522		Prep Method: EPA 522			Prep Date: 08/01/2022 10:05		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	10.1*		5	ug/L	1	08/02/2022 10:27	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	109%		5	%REC		08/02/2022 10:27	001 AG2R1/2

Analytical Method: EPA 533		Prep Method: EPA 533			Prep Date: 08/11/2022 9:06 AM		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11Cl-PF3OUdS	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
4:2 FTS	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
6:2 FTS	<3.8		1	ng/L		08/13/2022 10:23	001 BP351/2
8:2 FTS	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
9Cl-PF3ONS	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
ADONA	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
HFPO-DA	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
NFDHA	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
PFBA	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
PFEESA	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
PFHpS	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
PFMBA	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
PFMPA	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
PFPeA	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
PFPeS	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
Perfluorobutanesulfonic acid	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
Perfluorodecanoic acid	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
Perfluorododecanoic acid	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
Perfluoroheptanoic acid	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
Perfluorohexanesulfonic acid	2.7		1	ng/L		08/13/2022 10:23	001 BP351/2
Perfluorohexanoic acid	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
Perfluorononanoic acid	7.7		1	ng/L		08/13/2022 10:23	001 BP351/2
Perfluorooctanesulfonic acid	5.0		1	ng/L	10	08/13/2022 10:23	001 BP351/2
Perfluorooctanoic acid	3.8		1	ng/L	10	08/13/2022 10:23	001 BP351/2
Perfluoroundecanoic acid	<1.9		1	ng/L		08/13/2022 10:23	001 BP351/2
Surr: 13C2-PFDoA (S)	31%	S0	1	%REC		08/13/2022 10:23	001 BP351/2
Surr: 13C24:2FTS (S)	118%		1	%REC		08/13/2022 10:23	001 BP351/2
Surr: 13C26:2FTS (S)	94%		1	%REC		08/13/2022 10:23	001 BP351/2
Surr: 13C28:2FTS (S)	93%		1	%REC		08/13/2022 10:23	001 BP351/2
Surr: 13C3-PFBS (S)	136%		1	%REC		08/13/2022 10:23	001 BP351/2
Surr: 13C3-PFHxS (S)	103%		1	%REC		08/13/2022 10:23	001 BP351/2
Surr: 13C3HFPO-DA(S)	83%		1	%REC		08/13/2022 10:23	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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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

Date Reported: 08/18/2022



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# Laboratory Results

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

## Sample Information:

Type: Drinking Water  
 Origin: Raw Well  
 Routine

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

**Lab No. : 70222533001**  
**Client Sample ID.: N-07552**

Federal ID : 2912267  
 Collected : 07/18/2022 09:50 AM Point N-07552  
 Received : 07/18/2022 01:12 PM Location Morely Pk 9  
 Collected By CLIENT No HIs

**Sample Comments:**  
 RUN TO WASTE

Surr:	Concentration	Qualifier	Units	%REC	Prep Date:	Container:
13C4-PFBA (S)	71%	1		%REC	08/13/2022 10:23	001 BP351/2
13C4-PFHpA (S)	65%	1		%REC	08/13/2022 10:23	001 BP351/2
13C5-PFHxA (S)	80%	1		%REC	08/13/2022 10:23	001 BP351/2
13C5-PFPeA (S)	95%	1		%REC	08/13/2022 10:23	001 BP351/2
13C6-PFDA (S)	30%	S0 1		%REC	08/13/2022 10:23	001 BP351/2
13C7-PFUdA (S)	28%	S0 1		%REC	08/13/2022 10:23	001 BP351/2
13C8-PFOA (S)	47%	S0 1		%REC	08/13/2022 10:23	001 BP351/2
13C8-PFOS (S)	95%	1		%REC	08/13/2022 10:23	001 BP351/2
13C9-PFNA (S)	37%	S0 1		%REC	08/13/2022 10:23	001 BP351/2

Analytical Method: EPA 537.1		Prep Method: EPA 537.1			Prep Date: 07/27/2022 11:17		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11CI-PF3OUdS	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
9CI-PF3ONS	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
ADONA	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
HFPO-DA	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
NEtFOSAA	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
NMeFOSAA	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
Perfluorobutanesulfonic acid	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
Perfluorodecanoic acid	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
Perfluorododecanoic acid	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
Perfluoroheptanoic acid	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
Perfluorohexanesulfonic acid	2.5	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
Perfluorohexanoic acid	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
Perfluorononanoic acid	6.8	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
Perfluorooctanesulfonic acid	4.8	1		ng/L	10	07/29/2022 5:49 AM	001 BP3T1/2
Perfluorooctanoic acid	3.6	1		ng/L	10	07/29/2022 5:49 AM	001 BP3T1/2
Perfluorotetradecanoic acid	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
Perfluorotridecanoic acid	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
Perfluoroundecanoic acid	<1.9	1		ng/L		07/29/2022 5:49 AM	001 BP3T1/2
Surr: 13C2-PFDA (S)	83%	1		%REC		07/29/2022 5:49 AM	001 BP3T1/2
Surr: 13C2-PFHxA (S)	95%	1		%REC		07/29/2022 5:49 AM	001 BP3T1/2
Surr: HFPO-DAS (S)	87%	1		%REC		07/29/2022 5:49 AM	001 BP3T1/2
Surr: NEtFOSAA-d5 (S)	80%	1		%REC		07/29/2022 5:49 AM	001 BP3T1/2

**Qualifiers:**

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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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

Date Reported: 08/18/2022



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## Laboratory Certifications

---

**Pace Analytical Services Ormond Beach**

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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



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## Laboratory Certifications

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### **Pace Analytical Services Long Island**

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Connecticut Certification #: PH-0435  
Delaware Certification # NY 10478  
Maryland Certification #: 208  
Massachusetts Certification #: M-NY026  
New Hampshire Certification #: 2987  
New Jersey Certification #: NY158  
New York Certification #: 10478 Primary Accrediting Body  
Pennsylvania Certification #: 68-00350  
Rhode Island Certification #: LAO00340  
Virginia Certification # 460302







Sample Condition Upon Receipt

WO#: 70222533

Client Name: Port Washington W.D.

Project: PM: JSA Due Date: 07/28/22  
CLIENT: PWN

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No  N/A

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: ~~TH091~~ TH148 Correction Factor: + 0.1

Cooler Temperature(°C): 3.6 Cooler Temperature Corrected(°C): 3.7

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

Date and Initials of person examining contents: 7/18/22 EU

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No

Did samples originate from a foreign source including Hawaii and Puerto Rico)?  Yes  No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for)	<input type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container,
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID, Matrix: <u>SK WT OIL</u>		
All containers needing preservation have been checked?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>HC281827</u>		Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DR0/8015 (water).		
Per Method, VOA pH is checked after analysis		Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #		
Residual chlorine strips Lot #		
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15. Positive for Sulfide? Y N
Lead Acetate Strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_



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# Laboratory Results

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

## Sample Information:

Type: Drinking Water  
 Origin: Raw Well  
 Routine

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

**Lab No. : 70222537001**  
**Client Sample ID.: N-13510**

Federal ID : 2912267  
 Collected : 07/18/2022 08:03 AM Point N-13510  
 Received : 07/18/2022 01:12 PM Location Morley Park 11  
 Collected By CLIENT

Analytical Method: EPA 522		Prep Method: EPA 522			Prep Date: 08/01/2022 10:05		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.25		1	ug/L	1	08/02/2022 2:42 AM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	98%		1	%REC		08/02/2022 2:42 AM	001 AG2R1/2

Analytical Method: EPA 533		Prep Method: EPA 533			Prep Date: 08/11/2022 9:06 AM		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11Cl-PF3OUdS	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
4:2 FTS	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
6:2 FTS	<3.8		1	ng/L		08/13/2022 10:56	001 BP351/2
8:2 FTS	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
9Cl-PF3ONS	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
ADONA	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
HFPO-DA	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
NFDHA	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
PFBA	2.3		1	ng/L		08/13/2022 10:56	001 BP351/2
PFEESA	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
PFHpS	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
PFMBA	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
PFMPA	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
PFPeA	2.6		1	ng/L		08/13/2022 10:56	001 BP351/2
PFPeS	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
Perfluorobutanesulfonic acid	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
Perfluorodecanoic acid	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
Perfluorododecanoic acid	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
Perfluoroheptanoic acid	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
Perfluorohexanesulfonic acid	2.4		1	ng/L		08/13/2022 10:56	001 BP351/2
Perfluorohexanoic acid	2.3		1	ng/L		08/13/2022 10:56	001 BP351/2
Perfluorononanoic acid	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
Perfluorooctanesulfonic acid	3.4		1	ng/L	10	08/13/2022 10:56	001 BP351/2
Perfluorooctanoic acid	4.7		1	ng/L	10	08/13/2022 10:56	001 BP351/2
Perfluoroundecanoic acid	<1.9		1	ng/L		08/13/2022 10:56	001 BP351/2
Surr: 13C2-PFDoA (S)	18%	S0	1	%REC		08/13/2022 10:56	001 BP351/2
Surr: 13C24:2FTS (S)	103%		1	%REC		08/13/2022 10:56	001 BP351/2
Surr: 13C26:2FTS (S)	92%		1	%REC		08/13/2022 10:56	001 BP351/2
Surr: 13C28:2FTS (S)	91%		1	%REC		08/13/2022 10:56	001 BP351/2
Surr: 13C3-PFBS (S)	122%		1	%REC		08/13/2022 10:56	001 BP351/2
Surr: 13C3-PFHxS (S)	97%		1	%REC		08/13/2022 10:56	001 BP351/2
Surr: 13C3HFPO-DA(S)	68%		1	%REC		08/13/2022 10:56	001 BP351/2
Surr: 13C4-PFBA (S)	75%		1	%REC		08/13/2022 10:56	001 BP351/2
Surr: 13C4-PFHpA (S)	55%		1	%REC		08/13/2022 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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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

Date Reported: 08/18/2022



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# Laboratory Results

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

## Sample Information:

Type: Drinking Water  
 Origin: Raw Well  
 Routine

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

**Lab No. : 70222537001**  
**Client Sample ID.: N-13510**

**Attn To :** Supt. Tal Vacchio  
 Federal ID : 2912267  
 Collected : 07/18/2022 08:03 AM Point N-13510  
 Received : 07/18/2022 01:12 PM Location Morley Park 11  
 Collected By CLIENT

Surr: 13C5-PFHxA (S)	66%		1	%REC	08/13/2022 10:56	001 BP351/2
Surr: 13C5-PFPeA (S)	90%		1	%REC	08/13/2022 10:56	001 BP351/2
Surr: 13C6-PFDA (S)	16%	S0	1	%REC	08/13/2022 10:56	001 BP351/2
Surr: 13C7-PFUdA (S)	14%	S0	1	%REC	08/13/2022 10:56	001 BP351/2
Surr: 13C8-PFOA (S)	40%	S0	1	%REC	08/13/2022 10:56	001 BP351/2
Surr: 13C8-PFOS (S)	95%		1	%REC	08/13/2022 10:56	001 BP351/2
Surr: 13C9-PFNA (S)	27%	S0	1	%REC	08/13/2022 10:56	001 BP351/2

Analytical Method: EPA 537.1		Prep Method: EPA 537.1			Prep Date: 07/28/2022 11:57		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11CI-PF3OUdS	<1.8		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
9CI-PF3ONS	<1.8		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
ADONA	<1.8		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
HFPO-DA	<1.8		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
NEtFOSAA	<1.8		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
NMeFOSAA	<1.8		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
Perfluorobutanesulfonic acid	<1.8		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
Perfluorodecanoic acid	<1.8		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
Perfluorododecanoic acid	<1.8		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
Perfluoroheptanoic acid	1.9		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
Perfluorohexanesulfonic acid	2.1		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
Perfluorohexanoic acid	2.3		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
Perfluorononanoic acid	<1.8		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
Perfluorooctanesulfonic acid	3.2	M1	1	ng/L	10	07/29/2022 9:57 PM	001 BP3T1/2
Perfluorooctanoic acid	4.2		1	ng/L	10	07/29/2022 9:57 PM	001 BP3T1/2
Perfluorotetradecanoic acid	<1.8		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
Perfluorotridecanoic acid	<1.8		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
Perfluoroundecanoic acid	<1.8		1	ng/L		07/29/2022 9:57 PM	001 BP3T1/2
Surr: 13C2-PFDA (S)	89%		1	%REC		07/29/2022 9:57 PM	001 BP3T1/2
Surr: 13C2-PFHxA (S)	106%		1	%REC		07/29/2022 9:57 PM	001 BP3T1/2
Surr: HFPO-DAS (S)	95%		1	%REC		07/29/2022 9:57 PM	001 BP3T1/2
Surr: NEtFOSAA-d5 (S)	81%		1	%REC		07/29/2022 9:57 PM	001 BP3T1/2

**Qualifiers:**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.  
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Jennifer Aracri

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

Date Reported: 08/18/2022



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## Laboratory Certifications

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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  
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**WorkOrder :**  
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## Laboratory Certifications

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Delaware Certification # NY 10478  
Maryland Certification #: 208  
Massachusetts Certification #: M-NY026  
New Hampshire Certification #: 2987  
New Jersey Certification #: NY158  
New York Certification #: 10478 Primary Accrediting Body  
Pennsylvania Certification #: 68-00350  
Rhode Island Certification #: LAO00340  
Virginia Certification # 460302







Sample Condition Upon Receipt

WO#: 70222537

Client Name: Port Washington W.D.

Project: PM: JSA Due Date: 07/28/22 CLIENT: PWN

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No N/A

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: #1091 71148 Correction Factor: + 0.1

Cooler Temperature(C): 3.6 Cooler Temperature Corrected(C): 3.7

Temp should be above freezing to 6.0°C

USDA Regulated Soil ( N/A, water sample)

Date and Initials of person examining contents: 7/18/22 EU

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? Yes No

Did samples originate from a foreign source including Hawaii and Puerto Rico? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

Table with 17 rows and 3 columns. Columns: Question/Requirement, Yes/No/N/A, and Comments. Includes items like Chain of Custody Present, Filtered volume received, Sample Labels match COC, etc.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:



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# Laboratory Results

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

## Sample Information:

Type: Drinking Water  
 Origin: Raw Well  
 Routine

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

Lab No. : 70224100001  
 Client Sample ID.: N-02052

Federal ID : 2912267  
 Collected : 08/01/2022 10:15 AM Point N-02052  
 Received : 08/01/2022 12:49 PM Location Hewlett 4  
 Collected By CLIENT Flwr HI

Analytical Method: EPA 522		Prep Method: EPA 522			Prep Date: 08/16/2022 10:47		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.86		1	ug/L	1	08/18/2022 6:16 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	100%		1	%REC		08/18/2022 6:16 PM	001 AG2R1/2

Analytical Method: EPA 524.3							
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,2-Dibromo-3-chloropropane	<0.010		1	ug/L	0.2	08/03/2022 1:00 AM	001 DG9A1/2
1,2-Dibromoethane (EDB)	<0.010		1	ug/L	0.05	08/03/2022 1:00 AM	001 DG9A1/2
Surr: 1,2-Dichlorobenzene-d4 (S)	101%		1	%REC		08/03/2022 1:00 AM	001 DG9A1/2
Surr: 4-Bromofluorobenzene (S)	97%		1	%REC		08/03/2022 1:00 AM	001 DG9A1/2
Surr: tert Butyl Methyl-d3 Ether (S)	108%		1	%REC		08/03/2022 1:00 AM	001 DG9A1/2

Analytical Method: EPA 533		Prep Method: EPA 533			Prep Date: 08/29/2022 11:56		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11Cl-PF3OUdS	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
4:2 FTS	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
6:2 FTS	<3.9		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
8:2 FTS	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
9Cl-PF3ONS	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
ADONA	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
HFPO-DA	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
NFDHA	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
PFBA	2.8		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
PFEESA	<2.0	L1	1	ng/L		09/05/2022 1:30 AM	001 BP351/2
PFHpS	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
PFMBA	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
PFMPA	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
PFPeA	5.6		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
PFPeS	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
Perfluorobutanesulfonic acid	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
Perfluorodecanoic acid	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
Perfluorododecanoic acid	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
Perfluoroheptanoic acid	2.7		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
Perfluorohexanesulfonic acid	3.9		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
Perfluorohexanoic acid	4.7		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
Perfluorononanoic acid	41.3		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
Perfluorooctanesulfonic acid	6.3		1	ng/L	10	09/05/2022 1:30 AM	001 BP351/2
Perfluorooctanoic acid	6.9		1	ng/L	10	09/05/2022 1:30 AM	001 BP351/2
Perfluoroundecanoic acid	<2.0		1	ng/L		09/05/2022 1:30 AM	001 BP351/2
Surr: 13C2-PFDoA (S)	23%	S0	1	%REC		09/05/2022 1:30 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

*Kimberley Mack*

Kimberley Mack

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

Date Reported: 09/16/2022



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# Laboratory Results

Results for the samples and analytes requested  
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## Sample Information:

Type: Drinking Water  
 Origin: Raw Well  
 Routine

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

**Lab No. : 70224100001**  
**Client Sample ID.: N-02052**

Federal ID : 2912267  
 Collected : 08/01/2022 10:15 AM Point N-02052  
 Received : 08/01/2022 12:49 PM Location Hewlett 4  
 Collected By CLIENT Flwr HI

Surr: 13C24:2FTS (S)	79%		1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C26:2FTS (S)	88%		1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C28:2FTS (S)	89%		1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C3-PFBS (S)	106%		1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C3-PFHxS (S)	87%		1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C3HFPO-DA(S)	58%		1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C4-PFBA (S)	67%		1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C4-PFHpA (S)	47%	S0	1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C5-PFHxA (S)	60%		1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C5-PFPeA (S)	70%		1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C6-PFDA (S)	19%	S0	1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C7-PFUdA (S)	21%	S0	1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C8-PFOA (S)	33%	S0	1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C8-PFOS (S)	92%		1	%REC	09/05/2022 1:30 AM	001 BP351/2
Surr: 13C9-PFNA (S)	22%	S0	1	%REC	09/05/2022 1:30 AM	001 BP351/2

### Qualifiers:

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 ND - Not Detected at or above adjusted reporting limit.  
 J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range  
 U - Indicates the compound was analyzed for, but not detected

Kimberley Mack

Test results meet the requirements of NELAC unless otherwise noted.

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

Date Reported: 09/16/2022



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**WorkOrder :**

70224100

## Laboratory Certifications

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**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



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**WorkOrder :**  
70224100

## 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 #: NY158  
New York Certification #: 10478 Primary Accrediting Body  
Pennsylvania Certification #: 68-00350  
Rhode Island Certification #: LAO00340  
Virginia Certification # 460302



Sample Condition Upon Receipt



Client Name: Port Washington W.D.

WO#: **70224100**

PM: JSA Due Date: 08/11/22  
CLIENT: PWN

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other  
Tracking #: \_\_\_\_\_  
Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No  N/A  
Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other  
Thermometer Used: H1091 71148 Correction Factor: + 0.1  
Cooler Temperature (°C): 3.2 Cooler Temperature Corrected (°C): 3.3  
Temp should be above freezing to 6.0°C  
USDA Regulated Soil (  N/A, water sample)

Temperature Blank Present:  Yes  No  
Type of Ice:  Wet  Blue  None  
 Samples on ice, cooling process has begun  
Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: 8/1/22 EU

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No  
Did samples originate from a foreign source including Hawaii and Puerto Rico)?  Yes  No  
If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No -Includes date/time/ID, Matrix: <u>SL WT OIL</u>	12.
All containers needing preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A pH paper Lot # All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH-9 Sulfide, <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A NaOH-12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	13. <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl  Sample #  Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A KI starch test strips Lot # Residual chlorine strips Lot #	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Lead Acetate Strips Lot #	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Trip Blank Custody Seals Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Pace Trip Blank Lot # (if applicable): _____	17.

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N  
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: PFA8 533 BP35



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# Laboratory Results

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

## Sample Information:

Type: Drinking Water  
 Origin: Raw Well  
 Routine

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

**Lab No. : 70225849001**  
**Client Sample ID.: N-07552**

Federal ID : 2912267  
 Collected : 08/15/2022 08:41 AM Point N-07552  
 Received : 08/15/2022 04:23 PM Location Morely Pk 9  
 Collected By CLIENT No HIs

### Analytical Method: EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrate as N	4.3		5	mg/L	10	08/16/2022 12:48	001 BP4U1/1
Nitrate-Nitrite (as N)	4.3		5	mg/L		08/16/2022 12:48	001 BP4U1/1

### Analytical Method: EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrite as N	<0.050		1	mg/L	1	08/15/2022 10:47	001 BP4U1/1

### Analytical Method: EPA 522

Prep Method: EPA 522

Prep Date: 08/26/2022 2:43 PM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	9.9*		5	ug/L	1	08/30/2022 4:38 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	108%		5	%REC		08/30/2022 4:38 PM	001 AG2R1/2

### Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,1,1-Trichloroethane	1.1		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3	1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,1-Dichloroethene	5.9*		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Benzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	08/24/2022 7:00 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  
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 See qualifiers page for additional qualifier definitions.

Kimberley Mack

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# Laboratory Results

Results for the samples and analytes requested  
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## Sample Information:

Type: Drinking Water  
 Origin: Raw Well  
 Routine

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

**Lab No. : 70225849001**  
**Client Sample ID.: N-07552**

Federal ID : 2912267  
 Collected : 08/15/2022 08:41 AM Point N-07552  
 Received : 08/15/2022 04:23 PM Location Morely Pk 9  
 Collected By CLIENT No HIs

Compound	Concentration	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Bromochloromethane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		08/24/2022 7:00 PM	001 VG9C1/2
Bromoform	<0.50	L2	1	ug/L		08/24/2022 7:00 PM	001 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Chloroform	0.94		1	ug/L		08/24/2022 7:00 PM	001 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Dibromochloromethane	<0.50		1	ug/L		08/24/2022 7:00 PM	001 VG9C1/2
Dibromomethane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Dichlorodifluoromethane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Ethylbenzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Hexachloro-1,3-butadiene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Isopropylbenzene (Cumene)	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Methyl-tert-butyl ether	<0.50		1	ug/L	10	08/24/2022 7:00 PM	001 VG9C1/2
Methylene Chloride	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Styrene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Tetrachloroethene	12.9*		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Toluene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Total Trihalomethanes (Calc.)	0.94		1	ug/L	80	08/24/2022 7:00 PM	001 VG9C1/2
Trichloroethene	4.8		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Trichlorofluoromethane	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Vinyl chloride	<0.50		1	ug/L	2	08/24/2022 7:00 PM	001 VG9C1/2
cis-1,2-Dichloroethene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
cis-1,3-Dichloropropene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
m&p-Xylene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
n-Butylbenzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
n-Propylbenzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
o-Xylene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
p-Isopropyltoluene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
sec-Butylbenzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
tert-Butylbenzene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
trans-1,2-Dichloroethene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
trans-1,3-Dichloropropene	<0.50		1	ug/L	5	08/24/2022 7:00 PM	001 VG9C1/2
Surr: 1,2-Dichlorobenzene-d4 (S)	87%		1	%REC		08/24/2022 7:00 PM	001 VG9C1/2
Surr: 4-Bromofluorobenzene (S)	97%		1	%REC		08/24/2022 7:00 PM	001 VG9C1/2

Analytical Method: EPA 533

Prep Method: EPA 533

Prep Date: 09/08/2022 11:45

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11Cl-PF3OUdS	<1.9		1	ng/L		09/11/2022 7:51 PM	001 BP351/2
4:2 FTS	<1.9		1	ng/L		09/11/2022 7:51 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  
 See qualifiers page for additional qualifier definitions.

Kimberley Mack

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# Laboratory Results

Results for the samples and analytes requested  
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## Sample Information:

Type: Drinking Water  
 Origin: Raw Well  
 Routine

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

**Lab No. : 70225849001**  
**Client Sample ID.: N-07552**

Federal ID : 2912267  
 Collected : 08/15/2022 08:41 AM Point N-07552  
 Received : 08/15/2022 04:23 PM Location Morely Pk 9  
 Collected By CLIENT No HIs

6:2 FTS	<3.7	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
8:2 FTS	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
9CI-PF3ONS	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
ADONA	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
HFPO-DA	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
NFDHA	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
PFBA	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
PFEESA	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
PFHpS	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
PFMBA	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
PFMPA	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
PFPeA	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
PFPeS	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
Perfluorobutanesulfonic acid	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
Perfluorodecanoic acid	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
Perfluorododecanoic acid	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
Perfluoroheptanoic acid	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
Perfluorohexanesulfonic acid	3.6	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
Perfluorohexanoic acid	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
Perfluorononanoic acid	9.0	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
Perfluorooctanesulfonic acid	5.9	1	ng/L	10	09/11/2022 7:51 PM	001 BP351/2
Perfluorooctanoic acid	4.9	1	ng/L	10	09/11/2022 7:51 PM	001 BP351/2
Perfluoroundecanoic acid	<1.9	1	ng/L		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C2-PFDoA (S)	46%	S0 1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C24:2FTS (S)	116%	1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C26:2FTS (S)	91%	1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C28:2FTS (S)	89%	1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C3-PFBS (S)	103%	1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C3-PFHxS (S)	94%	1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C3HFPO-DA(S)	61%	1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C4-PFBA (S)	68%	1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C4-PFHpA (S)	60%	1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C5-PFHxA (S)	68%	1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C5-PFPeA (S)	72%	1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C6-PFDA (S)	43%	S0 1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C7-PFUdA (S)	44%	S0 1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C8-PFOA (S)	55%	1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C8-PFOS (S)	91%	1	%REC		09/11/2022 7:51 PM	001 BP351/2
Surr: 13C9-PFNA (S)	49%	S0 1	%REC		09/11/2022 7:51 PM	001 BP351/2

Analytical Method: SM22 9223B Colilert	Prep Method: SM22 9223B Colilert	Prep Date: 08/15/2022 5:25 PM					
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
E.coli	Absent		1		Absent	08/16/2022 11:25	001 SP5T1/1

**Qualifiers:**

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 See qualifiers page for additional qualifier definitions.

*Kimberley Mack*

Kimberley Mack

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# Laboratory Results

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**Sample Information:**

Type: Drinking Water  
 Origin: Raw Well  
 Routine

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

**Lab No. : 70225849001**  
**Client Sample ID.: N-07552**

**Attn To :** Supt.Tal Vacchio  
 Federal ID : 2912267  
 Collected : 08/15/2022 08:41 AM Point N-07552  
 Received : 08/15/2022 04:23 PM Location Morely Pk 9  
 Collected By CLIENT No HIs

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Total Coliforms	Absent	1	Absent	08/16/2022 11:25	001 SP5T1/1
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**Qualifiers:**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.  
 ND - Not Detected at or above adjusted reporting limit.  
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Kimberley Mack

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**WorkOrder :**

70225849

## Laboratory Certifications

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**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



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**WorkOrder :**  
70225849

## 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 #: NY158  
New York Certification #: 10478 Primary Accrediting Body  
Pennsylvania Certification #: 68-00350  
Rhode Island Certification #: LAO00340  
Virginia Certification # 460302



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**WorkOrder :**

70225849

**Additional Qualifiers**

---

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 Name:

PWW

Project

**WO#: 70225849**

Due Date: 08/24/22

PM: JSA

CLIENT: PWW

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other  
Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No  N/A

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: #1099 TH148 Correction Factor: + 0.1

Cooler Temperature(°C): 2.8 Cooler Temperature Corrected(°C): 2.9

Temp should be above freezing to 6.0°C

USDA Regulated Soil ( N/A, water sample)

Date and Initials of person examining contents: I. I / 623

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No

Did samples originate from a foreign source including Hawaii and Puerto Rico)?  Yes  No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		12.
-Includes date/time/ID, Matrix: <u>SL WT OIL</u>				
All containers needing preservation have been checked?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	13.
pH paper Lot #				
All containers needing preservation are found to be in compliance with method recommendation?				
{HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide}	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, ORD/8015 (water).				
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Field blank received, not on Col



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# Laboratory Results

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## Sample Information:

Type: Drinking Water  
 Origin: Raw Well  
 Routine

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

**Lab No. : 70224093001**  
**Client Sample ID.: N-09809**

Federal ID : 2912267  
 Collected : 08/01/2022 09:30 AM Point N-09809  
 Received : 08/01/2022 12:49 PM Location **Stoneytown 10**  
 Collected By CLIENT Flwr HI

Analytical Method: EPA 522		Prep Method: EPA 522			Prep Date: 08/16/2022 7:43 AM		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.70		1	ug/L	1	08/18/2022 5:10 PM	001 AG2R1/1
Surr: 1,4-Dioxane-d8 (S)	103%		1	%REC		08/18/2022 5:10 PM	001 AG2R1/1

Analytical Method: EPA 533		Prep Method: EPA 533			Prep Date: 08/29/2022 11:56		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11Cl-PF3OUdS	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
4:2 FTS	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
6:2 FTS	<3.7		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
8:2 FTS	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
9Cl-PF3ONS	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
ADONA	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
HFPO-DA	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
NFDHA	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
PFBA	2.2		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
PFEESA	<1.9	L1	1	ng/L		09/05/2022 2:36 AM	001 BP351/2
PFHpS	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
PFMBA	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
PFMPA	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
PFPeA	2.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
PFPeS	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
Perfluorobutanesulfonic acid	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
Perfluorodecanoic acid	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
Perfluorododecanoic acid	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
Perfluoroheptanoic acid	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
Perfluorohexanesulfonic acid	3.0		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
Perfluorohexanoic acid	2.8		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
Perfluorononanoic acid	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
Perfluorooctanesulfonic acid	<1.9		1	ng/L	10	09/05/2022 2:36 AM	001 BP351/2
Perfluorooctanoic acid	4.1		1	ng/L	10	09/05/2022 2:36 AM	001 BP351/2
Perfluoroundecanoic acid	<1.9		1	ng/L		09/05/2022 2:36 AM	001 BP351/2
Surr: 13C2-PFDoA (S)	29%	S0	1	%REC		09/05/2022 2:36 AM	001 BP351/2
Surr: 13C24:2FTS (S)	76%		1	%REC		09/05/2022 2:36 AM	001 BP351/2
Surr: 13C26:2FTS (S)	83%		1	%REC		09/05/2022 2:36 AM	001 BP351/2
Surr: 13C28:2FTS (S)	82%		1	%REC		09/05/2022 2:36 AM	001 BP351/2
Surr: 13C3-PFBS (S)	95%		1	%REC		09/05/2022 2:36 AM	001 BP351/2
Surr: 13C3-PFHxS (S)	80%		1	%REC		09/05/2022 2:36 AM	001 BP351/2
Surr: 13C3HFPO-DA(S)	61%		1	%REC		09/05/2022 2:36 AM	001 BP351/2
Surr: 13C4-PFBA (S)	63%		1	%REC		09/05/2022 2:36 AM	001 BP351/2
Surr: 13C4-PFHpA (S)	47%	S0	1	%REC		09/05/2022 2:36 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.  
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Date Reported: 09/16/2022



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# Laboratory Results

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 Origin: Raw Well  
 Routine

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

**Lab No. : 70224093001**  
**Client Sample ID.: N-09809**

Federal ID : 2912267  
 Collected : 08/01/2022 09:30 AM Point N-09809  
 Received : 08/01/2022 12:49 PM Location Stoneytown 10  
 Collected By CLIENT Flwr HI

Surr: 13C5-PFHxA (S)	57%		1	%REC	09/05/2022 2:36 AM	001 BP351/2
Surr: 13C5-PFPeA (S)	67%		1	%REC	09/05/2022 2:36 AM	001 BP351/2
Surr: 13C6-PFDA (S)	22%	S0	1	%REC	09/05/2022 2:36 AM	001 BP351/2
Surr: 13C7-PFUdA (S)	25%	S0	1	%REC	09/05/2022 2:36 AM	001 BP351/2
Surr: 13C8-PFOA (S)	40%	S0	1	%REC	09/05/2022 2:36 AM	001 BP351/2
Surr: 13C8-PFOS (S)	82%		1	%REC	09/05/2022 2:36 AM	001 BP351/2
Surr: 13C9-PFNA (S)	28%	S0	1	%REC	09/05/2022 2:36 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.

Date Reported: 09/16/2022

Kimberley Mack

Test results meet the requirements of NELAC unless otherwise noted.

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

**WorkOrder :**

70224093

## Laboratory Certifications

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**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



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## Laboratory Certifications

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### **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 #: NY158  
New York Certification #: 10478 Primary Accrediting Body  
Pennsylvania Certification #: 68-00350  
Rhode Island Certification #: LAO00340  
Virginia Certification # 460302



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**Additional Qualifiers**

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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.

WO#: 70224093



70224093

### Sample Request Form PUBLIC WATER SUPPLIER

Del. by: *[Signature]* 15:35 8/1/22

Date: 8/1/22

Collected By: J. S. [Signature]

Accepted By: [Signature] 12:49 8/1/22

Cooler Temp: 3.2 °C

WELL OFF LINE \_\_\_\_\_

WELL RUN TO SYSTEM \_\_\_\_\_

YES  NO VOC'S PRESERVED WITH HCl

**Client Info:**

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 11050

Proj. # or (Name): \_\_\_\_\_

Bill To: \_\_\_\_\_

Copies To: \_\_\_\_\_

Sample Types	Purpose	Origin	Treatment Types
PW - Potable Water	RO - Routine	D - Distribution	AST - Air Stripper
GW - Groundwater	RE - Resample	RW - Raw Well	GAC - Granular Activated Charcoal
SW - Surface Water	S - Special	TW - Treated Well	N - Nitrate Removal Plant
WW - Waste Water		T - Tank	FE - Iron Removal Plant
AQ - Aqueous		MW - Monitoring Well	O - Other
S - Soil		I - Influent	
		E - Effluent	

**Sample Info:**

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl <sub>2</sub> pH/Temp	Analysis	Lab No.
8/1/22 9:30 AM	GW	Stonytown 10 N-09809	RW	0	RO		Dioxane, method 533	1
8/1/22 9:40 AM	GW	Stonytown 10 GAC-09809	T	GAC	RO		POC, Dioxane method 533	2

Remarks:

page 13 of 14

Sample Condition Upon Re

WO#: 70224093

PM: JSA

Due Date: 08/11/22

CLIENT: PWN



Client Name: Port Washington W.D.

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No  N/A

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: ~~TH09~~ TH148 Correction Factor: + 0.1

Cooler Temperature (°C): 3.2 Cooler Temperature Corrected (°C): 3.3

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

Date and Initials of person examining contents: 8/1/22 EU

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No

Did samples originate from a foreign source including Hawaii and Puerto Rico)?  Yes  No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for <u>1</u> cores)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID, Matrix: <u>SL</u> <u>WT</u> <u>OIL</u>		
All containers needing preservation have been checked? pH paper Lot # All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl  Sample #  Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

PFAS 533 - BP35