

January 1, 2023

Jericho Water District
PWS ID No. NY2902831
MCL Deferral for 1,4-Dioxane
Quarterly Report – Fourth Quarter 2022

Introduction

On behalf of the Jericho Water District (JWD 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. JWD was granted a deferral because it has been proactive in its efforts to establish and implement an action plan for managing the above-referenced compounds.

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. Contractors and water suppliers, locally and nationwide, have been impacted by these issues in completing both small-scale and large-scale projects. 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, which are out of the District's control, 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. 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 the projects to a substantially completed status.

The enclosed is a report describing JWD's progress towards maintaining the highest quality of water for our customers and meeting the deadlines set forth in the deferral approval. Updated schedules for each project are contained in **Attachment A**.

Corrective Action Plan Milestones

Wells 9 and 14

Detailed plans and specifications were submitted to the NYSDOH and the Nassau County Department of Health (NCDH) during the third quarter of 2021 and approved by the NCDH. The NCDH also has recommended the approval of the plans and specifications to the NYSDOH. Bids for the construction contracts of the new treatment plant were received on April 15, 2022. Notices to Proceed for the construction contracts were issued in June and July 2022. Construction of the new treatment plant is underway - the building foundation is complete and the block walls are in progress. The carbon filtration vessels were delivered to the site recently. The new treatment facility is expected to be substantially completed by June 2023.

Although it has been granted a deferral, JWD has been able to minimize the usage of these wells during the period of this report.

Wells 20 and 21

This project is currently in the construction phase. The NCDH recommended approval of the Engineering Report on August 19, 2022 and the NYSDOH issued approval of the Engineering Report on September 7, 2022. The District is awaiting comments on the contract documents from the NCDH and NYSDOH that were submitted July 26, 2022. Site work has commenced, the building foundations have been started and Final Completion is scheduled for February 2024.

Even though it has been granted a deferral, the JWD continues to monitor and minimize the usage of these wells to the greatest extent practicable while meeting system demands. JWD will continue to monitor the 1,4-dioxane concentrations and work to minimize future run times of the wells where the concentration exceeds the MCL.

Well 22

This project is currently in the construction phase. The NCDH recommended approval of the Engineering Report on October 25, 2022 and the NYSDOH issued approval of the Engineering Report on October 26, 2022. The District is awaiting comments on the contract documents from the NCDH and NYSDOH that were submitted October 11, 2022. The project was bid and bids were opened in November 2022. The project is being re-bid, with a bid opening scheduled for January 2023. The construction of the AOP facility is expected to begin no sooner than August 2023.

Although it has been granted a deferral, JWD continues to monitor and minimize the usage of this well to the greatest extent practicable while meeting system demands. Once the construction of this project begins, the well will be removed from service for the duration of construction due to the nature of the improvements. The work is anticipated to occur throughout the 2023 pumping season and be complete, returning the well to service, in advance of the 2024 peak pumping season.

Wells 25 and 26 (Kirby Lane Facility)

This project is currently in the construction phase. The District received NCDH approval of the engineering report in September 2021. The District received NCDH approval of the detailed design documents on July 12, 2022 and NYSDOH approval of the engineering report and detailed design documents on July 25, 2022. Site work has commenced, and the building foundation and installation of GAC vessels have been completed. The general contractor’s mason is currently erecting the CMU building walls. The electrical contractor has brought temporary power onto the site (main power is disconnected) and has installed branch wiring to all buildings on the site while they continue to perform demolition work within the existing buildings and install site conduit. The District is expects to have the full treatment plant operational by early summer of 2023.

Although it has been granted a deferral, JWD continues to monitor and minimize the usage of these wells to the greatest extent practicable while meeting system demands. JWD will continue to monitor the 1,4-dioxane concentrations and work to minimize future run times of the wells where the concentration exceeds the MCL.

Public Notification

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

Analytical Sampling

Sample results for the wells for which deferrals were granted (Wells 9, 14, 20, 21, 22, 25, and 26) taken during the fourth quarter of 2022 are contained in the below table. Full laboratory reports for each sample are contained in **Attachment B**.

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

Well	Date		
	October 2022	November 2022	December 2022
Well 9 (N-4245)	1.4	0.033	1.2
Well 14 (N-6651)	2.9	3.0	NS
Well 20 (N-10149)	0.54	0.82	NS
Well 21 (N-12795)	0.57	0.59	0.59
Well 22 (N-7781)	0.48	0.69	0.34
Well 25 (N-8355)	1.9	NS	NS

Well 26 (N-13119)	4.0	NS	NS
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NS - Not Sampled

Conclusion

As demonstrated above, JWD 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 516-921-8280 or visit the website, www.jerichowater.org.

Very truly yours,

Board of Commissioners
Jericho Water District

Enclosures

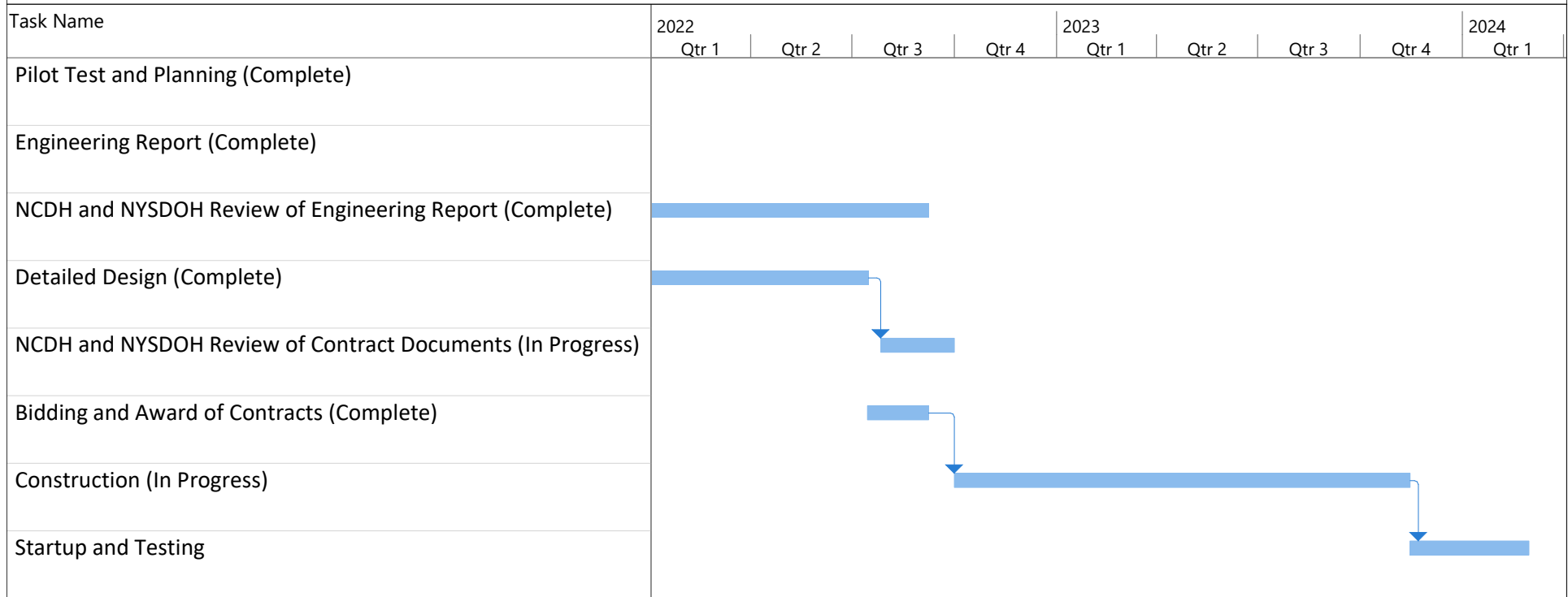
cc: K. Wheeler (NYSDOH)
B. Rogers (NYSDOH)
W. Provoncha (NCDH)
P. Young (NCDH)
R. Putnam (NCDH)
P. Logan (JWD)
B. Merklin (D&B)
M. Savarese (D&B)
L. Ortiz (D&B)
P. Connell (D&B)

ATTACHMENT A

Project Schedules Associated with MCL Deferral

Task Name	2022				2023		
	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
Pilot Test and Planning (Complete)							
Engineering Report (Complete)							
NCDH and NYSDOH Review of Engineering Report (Complete)							
Detailed Design (Complete)							
NCDH and NYSDOH Review of Contract Documents (Complete)	█						
Bidding and Construction (In Progress)		█			█		
Startup and Testing					█		





Task Name	2022				2023				2024
	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1
Pilot Test and Planning (Complete)									
Engineering Report (Complete)									
NCDH and NYSDOH Review/Approval of Engineering Report (Complete)									
Detailed Design (Complete)									
NCDH and NYSDOH Review of Contract Documents									
Bidding and Construction									
Startup and Testing									



Task Name	2022				2023	
	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
Pilot Test (Complete)						
Engineering Report (Complete)						
NCDH and NYSDOH Review of Engineering Report (Complete)						
Detailed Design (Complete)						
NCDH and NYSDOH Review of Contract Documents (Complete)	█					
Bidding and Construction (In Progress)				█		
Startup and Testing						█



ATTACHMENT B

Water Quality Data



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

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70231814001
Client Sample ID.: N-04245

Attn To : Peter Logan

Federal ID : 2902831

Collected : 10/03/2022 08:50 AM Point N-04245

Received : 10/03/2022 12:40 PM Location Well 9

Collected By CLIENT

Analytical Method: EPA 522		Prep Method: EPA 522			Prep Date: 10/14/2022 12:12		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	1.4*		1	ug/L	1	10/18/2022 4:43 AM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	96%		1	%REC		10/18/2022 4:43 AM	001 AG2R1/2

Qualifiers:

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

ND - Not Detected at or above adjusted reporting limit.

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

U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).

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

Date Reported: 10/20/2022

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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Sample Information:

Type: Drinking Water
 Origin: Raw Well
 Routine

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70231814002
Client Sample ID.: N-06651

Attn To : Peter Logan

Federal ID : 2902831

Collected : 10/03/2022 09:10 AM Point N-06651

Received : 10/03/2022 12:40 PM Location Well 14

Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	2.9*		1	ug/L	1	10/18/2022 4:59 AM	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	97%		1	%REC		10/18/2022 4:59 AM	002 AG2R1/2

Qualifiers:

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

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Sample Information:

Type: Drinking Water
 Origin: Raw Well
 Routine

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70231814003
Client Sample ID.: N-08355

Attn To : Peter Logan

Federal ID : 2902831

Collected : 10/03/2022 09:33 AM Point N-08355

Received : 10/03/2022 12:40 PM Location Well 25

Collected By CLIENT

Analytical Method: EPA 522		Prep Method: EPA 522			Prep Date: 10/14/2022 12:12		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	1.9*		1	ug/L	1	10/18/2022 5:16 AM	003 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	95%		1	%REC		10/18/2022 5:16 AM	003 AG2R1/2

Qualifiers:

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

ND - Not Detected at or above adjusted reporting limit.

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

U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).

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

Date Reported: 10/20/2022

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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

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70231814004
Client Sample ID.: N-13119

Attn To : Peter Logan

Federal ID : 2902831

Collected : 10/03/2022 09:55 AM Point N-13119

Received : 10/03/2022 12:40 PM Location Well 26

Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	4.0*	M1	5	ug/L	1	10/18/2022 10:03	004 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	92%		5	%REC		10/18/2022 10:03	004 AG2R1/2

Qualifiers:

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

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.



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

WorkOrder :
70231814

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



575 Broad Hollow Road, Melville, NY 11747

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www.pacelabs.com

WorkOrder :

70231814

Additional Qualifiers

M1 - Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

WO#: 70231814



70231814

Sample Request Form PUBLIC WATER SUPPLIER

Date: 10-3-22

Collected By: [Signature]

Accepted By: [Signature] 10/31/22

Cooler Temp: 2.8 (B) °C 12:40

WELL OFF LINE _____

WELL RUN TO SYSTEM _____

All wells

YES NO VOC'S PRESERVED WITH HCl

Client Info:

Name or Code: Jericho Water Dist

Address: 125 Convent Rd

Syosset NY 11791

Phone #: (516) 921-8280

Attn: _____

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:

Page 9 of 11

Date/Time Collected:	Sample Type	Location		Origin	Treatment Type	Purpose	Field Readings		Analysis	Lab No.
							Cl ₂	pH/Temp		
10-3-22 0850	PW	well #9	N-01245	RW		RO	Ø		14-Dioxane	
10-3-22 0910	PW	well #14	N-06651	PW		RO	Ø		" "	
10-3-22 0933	PW	well #26	N-08355	RW		RO	Ø		" "	
10-3-22 0955	PW	well #20	N-13119	RW		RO	Ø		" "	
10-3-22 1033	PW	well #30	N-11295	RW		RO	Ø		" "	
10-3-22 1048	PW	well #29	N-11107	RW		RO	Ø		" "	

Remarks:



Sample Condition Upon Receipt

WO#: 70231814

Client Name: JWD

PM: JSA Due Date: 10/13/22
 CLIENT: JWD

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: T1148 Correction Factor: + 0.1
 Cooler Temperature(°C): 2.8 Cooler Temperature Corrected(°C): 2.9
 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 _____

Temp should be above freezing to 6.0°C
 USDA Regulated Soil (N/A, water sample) Date and Initials of person examining contents: SH 10/3/22

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 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 I)	<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 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 ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , 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: KI starch test strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #		
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 type="checkbox"/> No <input checked="" 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

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Sample Information:

Type: Drinking Water
 Origin: Raw Well
 Routine

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70232090001
Client Sample ID.: N-12795

Attn To : Peter Logan

Federal ID : 2902831

Collected : 10/04/2022 09:35 AM Point N-12795

Received : 10/04/2022 01:18 PM Location Well 21

Collected By CLIENT

Sample Comments:

RUN TO WASTE

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.57		1	ug/L	1	10/19/2022 10:19	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	94%		1	%REC		10/19/2022 10:19	001 AG2R1/2

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

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Jennifer Aracri

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

Date Reported: 10/20/2022



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Sample Information:

Type: Drinking Water
 Origin: Raw Well
 Routine

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70232090002
Client Sample ID.: N-10149

Attn To : Peter Logan

Federal ID : 2902831

Collected : 10/04/2022 09:55 AM Point N-10149

Received : 10/04/2022 01:18 PM Location Well 20

Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.54		1	ug/L	1	10/19/2022 10:35	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	93%		1	%REC		10/19/2022 10:35	002 AG2R1/2

Qualifiers:

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

70232090

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 Request Form PUBLIC WATER SUPPLIER

WO#: 70232090



70232090

Date: 10/4/22

Collected By: CS

Accepted By: JH 10/4 13:18

Cooler Temp: 1.4 °C (B)

WELL RUN TO SYSTEM

YES NO VOC'S PRESERVED WITH HCL

Client Info:

Name or Code: Tencho Water

Address: 125 Convent Rd

Syosset, NY 11791

Phone #: (516) 921-8280

Attn: _____

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:

Page 8 of 10

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl ₂ pH/Temp		Analysis	Lab No.
10/4/22 9:35AM	PW	Well 21 H-12795	RW		RO			1.4 Dioxane	
10/4/22 9:55AM	PW	Well 20 H-10149 Ran to waste	RW		RO			1.4 Dioxane	
10/4/22 10:25AM	PW	Well 12 H-06092	RW		RO			1.4 Dioxane	
10/4/22 10:40AM	PW	Well 13 H-06093	RW		RO			1.4 Dioxane	
10/4/22 11:45AM	PW	Well 23 H-05043 Ran to waste	RW		RO			1.4 Dioxane	

Remarks:



Sample Condition Upon Rec

WO#: 70232090

Client Name: JWS

Project

PM: JSA

Due Date: 10/14/22

CLIENT: JWD

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: T1148 Correction Factor: +0.1

Cooler Temperature(°C): 1.4 Cooler Temperature Corrected(°C): 1.5

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: SH 10/4/22

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	12.
-Includes date/time/ID, Matrix:	<u>SLWT 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 ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , 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: KI starch test strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #		
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 type="checkbox"/> No <input checked="" 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:

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

December 01, 2022

Peter Logan
Jericho Water District
125 Convent Rd.
Syosset, NY 11791

RE: Project: 533/537/1,4 DIOXANE 10/4
Pace Project No.: 70232081

Dear Peter Logan:

Enclosed are the analytical results for sample(s) received by the laboratory on October 04, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville
- Pace Analytical Services - Ormond Beach

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Stephen Laun, D&B Engineers and Architects
Kevin Law, D & B Engineers
Bill Merklin, D & B Engineers
Joe Todaro, H2M Group
Reports User, Jericho Water District
Jim Vanhorn, D & B Engineers



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 533/537/1,4 DIOXANE 10/4
Pace Project No.: 70232081

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

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 533/537/1,4 DIOXANE 10/4
Pace Project No.: 70232081

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70232081001	N-07781	Drinking Water	10/04/22 09:15	10/04/22 13:18
70232081002	N-07781 FIELD BLANK	Drinking Water	10/04/22 09:15	10/04/22 13:18
70232081003	N-13268	Drinking Water	10/04/22 10:15	10/04/22 13:18
70232081004	N-13268 FIELD BLANK	Drinking Water	10/04/22 10:15	10/04/22 13:18

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70232081001	N-07781	EPA 522	AI1	2	PACE-MV
		EPA 533	SWR	41	PASI-O
		EPA 537.1	JSF	22	PASI-O
70232081002	N-07781 FIELD BLANK	EPA 533	SWR	41	PASI-O
		EPA 537.1	JSF	22	PASI-O
70232081003	N-13268	EPA 522	AI1	2	PACE-MV
		EPA 533	SWR	41	PASI-O
		EPA 537.1	JSF	22	PASI-O
70232081004	N-13268 FIELD BLANK	EPA 533	SWR	41	PASI-O
		EPA 537.1	JSF	22	PASI-O

PACE-MV = Pace Analytical Services - Melville

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

Sample: N-07781 **Lab ID: 70232081001** Collected: 10/04/22 09:15 Received: 10/04/22 13:18 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	0.48	ug/L	0.020		1	10/20/22 11:17	10/21/22 13:24	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	97	%	70-130		1	10/20/22 11:17	10/21/22 13:24		
533 PFAS Compounds, Water									
Analytical Method: EPA 533 Preparation Method: EPA 533									
Pace Analytical Services - Ormond Beach									
11CI-PF3OUdS	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	763051-92-9	
4:2 FTS	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	757124-72-4	
6:2 FTS	<3.7	ng/L	3.7		1	10/11/22 22:10	10/14/22 10:02	27619-97-2	L1
8:2 FTS	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	39108-34-4	
9CI-PF3ONS	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	756426-58-1	
ADONA	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	919005-14-4	
HFPO-DA	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	13252-13-6	
NFDHA	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	1551772-58-	
Perfluorobutanesulfonic acid	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	375-73-5	
Perfluorodecanoic acid	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	335-76-2	
Perfluorohexanoic acid	3.6	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	307-24-4	
PFBA	4.2	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	375-22-4	
PFEESA	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	113507-82-7	
PFHpS	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	375-92-8	
PFMBA	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	863090-89-5	
PFMPA	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	377-73-1	
PFPeA	4.5	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	2706-90-3	
PFPeS	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	2706-91-4	IC,L1
Perfluorododecanoic acid	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	307-55-1	
Perfluoroheptanoic acid	2.2	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	375-85-9	
Perfluorohexanesulfonic acid	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	355-46-4	
Perfluorononanoic acid	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	375-95-1	
Perfluorooctanesulfonic acid	<1.8	ng/L	1.8		10	1	10/11/22 22:10	10/14/22 10:02	1763-23-1
Perfluorooctanoic acid	2.4	ng/L	1.8		10	1	10/11/22 22:10	10/14/22 10:02	335-67-1
Perfluoroundecanoic acid	<1.8	ng/L	1.8		1	10/11/22 22:10	10/14/22 10:02	2058-94-8	
Surrogates									
13C24:2FTS (S)	138	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C26:2FTS (S)	119	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C28:2FTS (S)	110	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C2-PFDoA (S)	53	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C3HFPO-DA(S)	54	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C3-PFBS (S)	88	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C3-PFHxS (S)	95	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C4-PFBA (S)	64	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C4-PFHpA (S)	63	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C5-PFHxA (S)	59	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C5-PFPeA (S)	57	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C6-PFDA (S)	53	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C7-PFUdA (S)	52	%	50-200		1	10/11/22 22:10	10/14/22 10:02		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

Sample: N-07781 **Lab ID: 70232081001** Collected: 10/04/22 09:15 Received: 10/04/22 13:18 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	------------	----	----------	----------	---------	------

533 PFAS Compounds, Water Analytical Method: EPA 533 Preparation Method: EPA 533
Pace Analytical Services - Ormond Beach

Surrogates

13C8-PFOA (S)	61	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C8-PFOS (S)	98	%	50-200		1	10/11/22 22:10	10/14/22 10:02		
13C9-PFNA (S)	60	%	50-200		1	10/11/22 22:10	10/14/22 10:02		

537.1 PFAS Compounds, Water Analytical Method: EPA 537.1 Preparation Method: EPA 537.1
Pace Analytical Services - Ormond Beach

11CI-PF3OUdS	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	763051-92-9	
9CI-PF3ONS	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	756426-58-1	
ADONA	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	919005-14-4	
HFPO-DA	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	13252-13-6	
NEtFOSAA	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	2991-50-6	
NMeFOSAA	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	2355-31-9	
Perfluorobutanesulfonic acid	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	375-73-5	
Perfluorodecanoic acid	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	335-76-2	
Perfluorohexanoic acid	3.1	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	307-24-4	
Perfluorododecanoic acid	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	307-55-1	
Perfluoroheptanoic acid	2.0	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	375-85-9	
Perfluorohexanesulfonic acid	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	355-46-4	
Perfluorononanoic acid	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	375-95-1	
Perfluorooctanesulfonic acid	<1.8	ng/L	1.8	10	1	10/07/22 23:05	10/09/22 16:52	1763-23-1	
Perfluorooctanoic acid	2.1	ng/L	1.8	10	1	10/07/22 23:05	10/09/22 16:52	335-67-1	
Perfluorotetradecanoic acid	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	376-06-7	
Perfluorotridecanoic acid	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	72629-94-8	
Perfluoroundecanoic acid	<1.8	ng/L	1.8		1	10/07/22 23:05	10/09/22 16:52	2058-94-8	
Surrogates									
13C2-PFDA (S)	84	%	70-130		1	10/07/22 23:05	10/09/22 16:52		
13C2-PFHxA (S)	82	%	70-130		1	10/07/22 23:05	10/09/22 16:52		
NEtFOSAA-d5 (S)	79	%	70-130		1	10/07/22 23:05	10/09/22 16:52		
HFPO-DAS (S)	78	%	70-130		1	10/07/22 23:05	10/09/22 16:52		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

QC Batch: 278467

Analysis Method: EPA 522

QC Batch Method: EPA 522

Analysis Description: 522 MSS 1,4 Dioxane

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70232081001, 70232081003

METHOD BLANK: 1407517

Matrix: Drinking Water

Associated Lab Samples: 70232081001, 70232081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	10/21/22 11:32	
1,4-Dioxane-d8 (S)	%	87	70-130	10/21/22 11:32	

LABORATORY CONTROL SAMPLE: 1407518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.02	<0.020	79	70-130	
1,4-Dioxane-d8 (S)	%			91	70-130	

MATRIX SPIKE SAMPLE: 1407519

Parameter	Units	70232058011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.032	0.02	0.043	56	70-130	M1
1,4-Dioxane-d8 (S)	%				95	70-130	

SAMPLE DUPLICATE: 1407520

Parameter	Units	70232058012 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.18	0.19	2	30	
1,4-Dioxane-d8 (S)	%	91	92		30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

QC Batch: 861861

Analysis Method: EPA 533

QC Batch Method: EPA 533

Analysis Description: 533 PFAS Compounds, Water

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 70232081002, 70232081004

METHOD BLANK: 4743957

Matrix: Drinking Water

Associated Lab Samples: 70232081002, 70232081004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11CI-PF3OUdS	ng/L	<2.0	2.0	10/09/22 13:52	
4:2 FTS	ng/L	<2.0	2.0	10/09/22 13:52	
6:2 FTS	ng/L	210	4.0	10/09/22 13:52	
8:2 FTS	ng/L	<2.0	2.0	10/09/22 13:52	
9CI-PF3ONS	ng/L	<2.0	2.0	10/09/22 13:52	
ADONA	ng/L	<2.0	2.0	10/09/22 13:52	
HFPO-DA	ng/L	10.2	2.0	10/09/22 13:52	
NFDHA	ng/L	<2.0	2.0	10/09/22 13:52	
Perfluorobutanesulfonic acid	ng/L	<2.0	2.0	10/09/22 13:52	
Perfluorodecanoic acid	ng/L	<2.0	2.0	10/09/22 13:52	
Perfluorododecanoic acid	ng/L	<2.0	2.0	10/09/22 13:52	
Perfluoroheptanoic acid	ng/L	<2.0	2.0	10/09/22 13:52	
Perfluorohexanesulfonic acid	ng/L	<2.0	2.0	10/09/22 13:52	
Perfluorohexanoic acid	ng/L	8.0	2.0	10/09/22 13:52	
Perfluorononanoic acid	ng/L	4.6	2.0	10/09/22 13:52	
Perfluorooctanesulfonic acid	ng/L	<2.0	2.0	10/09/22 13:52	
Perfluorooctanoic acid	ng/L	<2.0	2.0	10/09/22 13:52	
Perfluoroundecanoic acid	ng/L	<2.0	2.0	10/09/22 13:52	
PFBA	ng/L	<2.0	2.0	10/09/22 13:52	
PFEESA	ng/L	<2.0	2.0	10/09/22 13:52	
PFHpS	ng/L	<2.0	2.0	10/09/22 13:52	
PFMBA	ng/L	<2.0	2.0	10/09/22 13:52	
PFMPA	ng/L	<2.0	2.0	10/09/22 13:52	
PFPeA	ng/L	78.3	2.0	10/09/22 13:52	
PFPeS	ng/L	15.5	2.0	10/09/22 13:52	
13C2-PFDoA (S)	%	4	50-200	10/09/22 13:52	S0
13C24:2FTS (S)	%	1	50-200	10/09/22 13:52	S0
13C26:2FTS (S)	%	1	50-200	10/09/22 13:52	S0
13C28:2FTS (S)	%	2	50-200	10/09/22 13:52	S0
13C3-PFBS (S)	%	1	50-200	10/09/22 13:52	S0
13C3-PFHxS (S)	%	1	50-200	10/09/22 13:52	S0
13C3HFPO-DA(S)	%	1	50-200	10/09/22 13:52	S0
13C4-PFBA (S)	%	2	50-200	10/09/22 13:52	S0
13C4-PFHpA (S)	%	1	50-200	10/09/22 13:52	S0
13C5-PFHxA (S)	%	1	50-200	10/09/22 13:52	S0
13C5-PFPeA (S)	%	1	50-200	10/09/22 13:52	S0
13C6-PFDA (S)	%	1	50-200	10/09/22 13:52	S0
13C7-PFUdA (S)	%	3	50-200	10/09/22 13:52	S0
13C8-PFOA (S)	%	1	50-200	10/09/22 13:52	S0
13C8-PFOS (S)	%	2	50-200	10/09/22 13:52	S0

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

METHOD BLANK: 4743957

Matrix: Drinking Water

Associated Lab Samples: 70232081002, 70232081004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C9-PFNA (S)	%	1	50-200	10/09/22 13:52	S0

LABORATORY CONTROL SAMPLE: 4743958

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ng/L	7.6	14.6	192	70-130	L1
4:2 FTS	ng/L	7.6	11.3	149	70-130	L1
6:2 FTS	ng/L	7.6	67.6	889	70-130	L1
8:2 FTS	ng/L	7.6	5.8	77	70-130	
9CI-PF3ONS	ng/L	7.6	10.4	136	70-130	L1
ADONA	ng/L	7.6	7.3	96	70-130	
HFPO-DA	ng/L	8	5.3	66	70-130	L2
NFDHA	ng/L	8	<2.0	9	70-130	L2
Perfluorobutanesulfonic acid	ng/L	7.2	<2.0	0	70-130	L2
Perfluorodecanoic acid	ng/L	8	8.3	104	70-130	
Perfluorododecanoic acid	ng/L	8	7.2	90	70-130	
Perfluoroheptanoic acid	ng/L	8	11.7	146	70-130	L1
Perfluorohexanesulfonic acid	ng/L	7.2	<2.0	0	70-130	L2
Perfluorohexanoic acid	ng/L	8	9.5	119	70-130	
Perfluorononanoic acid	ng/L	8	9.0	112	70-130	
Perfluorooctanesulfonic acid	ng/L	7.6	<2.0	0	70-130	L2
Perfluorooctanoic acid	ng/L	8	<2.0	0	70-130	L2
Perfluoroundecanoic acid	ng/L	8	6.7	84	70-130	
PFBA	ng/L	8	<2.0	0	70-130	L2
PFEESA	ng/L	7.2	6.0	83	70-130	
PFHpS	ng/L	7.6	7.0	92	70-130	
PFMBA	ng/L	8	7.8	98	70-130	
PFMPA	ng/L	8	3.0	38	70-130	L2
PFPeA	ng/L	8	1370	17100	70-130	L1
PFPeS	ng/L	7.6	20.6	271	70-130	L1
13C2-PFDoA (S)	%			3	50-200	S0
13C24:2FTS (S)	%			1	50-200	S0
13C26:2FTS (S)	%			1	50-200	S0
13C28:2FTS (S)	%			2	50-200	S0
13C3-PFBS (S)	%			1	50-200	S0
13C3-PFHxS (S)	%			1	50-200	S0
13C3HFPO-DA(S)	%			1	50-200	S0
13C4-PFBA (S)	%			2	50-200	S0
13C4-PFHpA (S)	%			1	50-200	S0
13C5-PFHxA (S)	%			1	50-200	S0
13C5-PFPeA (S)	%			1	50-200	S0
13C6-PFDA (S)	%			2	50-200	S0
13C7-PFUdA (S)	%			3	50-200	S0
13C8-PFOA (S)	%			1	50-200	S0

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

LABORATORY CONTROL SAMPLE: 4743958

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
13C8-PFOS (S)	%			2	50-200	S0
13C9-PFNA (S)	%			1	50-200	S0

LABORATORY CONTROL SAMPLE: 4743959

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ng/L	1.9	3.7	193	50-150	L1
4:2 FTS	ng/L	1.9	<2.0	84	50-150	
6:2 FTS	ng/L	1.9	39.2	2060	50-150	L1
8:2 FTS	ng/L	1.9	<2.0	69	50-150	
9CI-PF3ONS	ng/L	1.9	2.8	148	50-150	
ADONA	ng/L	1.9	<2.0	86	50-150	
HFPO-DA	ng/L	2	6.0	301	50-150	L1
NFDHA	ng/L	2	5.8	289	50-150	L1
Perfluorobutanesulfonic acid	ng/L	1.8	<2.0	0	50-150	L2
Perfluorodecanoic acid	ng/L	2	4.5	227	50-150	L1
Perfluorododecanoic acid	ng/L	2	2.3	114	50-150	
Perfluoroheptanoic acid	ng/L	2	<2.0	93	50-150	
Perfluorohexanesulfonic acid	ng/L	1.8	<2.0	0	50-150	L2
Perfluorohexanoic acid	ng/L	2	4.2	210	50-150	L1
Perfluorononanoic acid	ng/L	2	2.6	128	50-150	
Perfluorooctanesulfonic acid	ng/L	1.9	<2.0	0	50-150	L2
Perfluorooctanoic acid	ng/L	2	<2.0	0	50-150	L2
Perfluoroundecanoic acid	ng/L	2	2.1	103	50-150	
PFBA	ng/L	2	<2.0	0	50-150	L2
PFEESA	ng/L	1.8	<2.0	88	50-150	
PFHpS	ng/L	1.9	2.7	142	50-150	
PFMBA	ng/L	2	3.5	173	50-150	L1
PFMPA	ng/L	2	<2.0	56	50-150	
PFPeA	ng/L	2	<2.0	0	50-150	L2
PFPeS	ng/L	1.9	29.0	1530	50-150	L1
13C2-PFDoA (S)	%			3	50-200	S0
13C24:2FTS (S)	%			1	50-200	S0
13C26:2FTS (S)	%			1	50-200	S0
13C28:2FTS (S)	%			1	50-200	S0
13C3-PFBS (S)	%			1	50-200	S0
13C3-PFHxS (S)	%			1	50-200	S0
13C3HFPO-DA(S)	%			2	50-200	S0
13C4-PFBA (S)	%			2	50-200	S0
13C4-PFHpA (S)	%			1	50-200	S0
13C5-PFHxA (S)	%			1	50-200	S0
13C5-PFPeA (S)	%			1	50-200	S0
13C6-PFDA (S)	%			1	50-200	S0
13C7-PFUdA (S)	%			2	50-200	S0
13C8-PFOA (S)	%			1	50-200	S0

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

LABORATORY CONTROL SAMPLE: 4743959

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
13C8-PFOS (S)	%			2	50-200	S0
13C9-PFNA (S)	%			1	50-200	S0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4743960 4743961

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		35750306003 Result	Spike Conc.	Spike Conc.	MSD Conc.								
11Cl-PF3OUdS	ng/L	0.56J	36.2	36.1	36.1	141	<1.9	388	-2	70-130		30	M0
4:2 FTS	ng/L	1.8J	36.2	36.1	36.1	36.8	<1.9	96	-4	70-130		30	M1
6:2 FTS	ng/L	34.1	36.2	36.1	36.1	91.2	<3.8	158	-93	70-130		30	M0
8:2 FTS	ng/L	0.45U	36.2	36.1	36.1	47.2	<1.9	129	-1	70-130		30	M1
9Cl-PF3ONS	ng/L	0.47U	36.2	36.1	36.1	63.1	<1.9	174	0	70-130		30	M1
ADONA	ng/L	0.48J	36.2	36.1	36.1	41.5	<1.9	113	-1	70-130		30	M1
HFPO-DA	ng/L	0.69U	38.2	38	38	25.8	<1.9	68	0	70-130		30	M0
NFDHA	ng/L	1.2J	38.2	38	38	30.6	<1.9	77	-3	70-130		30	M0
Perfluorobutanesulfonic acid	ng/L	0.40U	34.3	34.2	34.2	<1.9	<1.9	0	0	70-130		30	M0
Perfluorodecanoic acid	ng/L	0.37J	38.2	38	38	49.1	<1.9	128	-1	70-130		30	M1
Perfluorododecanoic acid	ng/L	0.50U	38.2	38	38	52.9	<1.9	138	0	70-130		30	M1
Perfluoroheptanoic acid	ng/L	5.8	38.2	38	38	41.0	<1.9	92	-13	70-130		30	M1
Perfluorohexanesulfonic acid	ng/L	0.40J	34.3	34.2	34.2	<1.9	<1.9	-1	-1	70-130		30	M0
Perfluorohexanoic acid	ng/L	4.8	38.2	38	38	46.2	3.9	109	-2	70-130	169	30	M1,R1
Perfluorononanoic acid	ng/L	1.1J	38.2	38	38	51.7	<1.9	133	-2	70-130		30	M1
Perfluorooctanesulfonic acid	ng/L	0.33U	36.2	36.1	36.1	<1.9	<1.9	0	0	70-130		30	M0
Perfluorooctanoic acid	ng/L	0.29U	38.2	38	38	51.4	2.2	135	6	70-130	184	30	M0,R1
Perfluoroundecanoic acid	ng/L	0.39U	38.2	38	38	51.3	<1.9	134	0	70-130		30	M1
PFBA	ng/L	0.58U	38.2	38	38	<1.9	<1.9	0	0	70-130		30	M0
PFEESA	ng/L	0.33U	34.3	34.2	34.2	36.8	<1.9	107	0	70-130		30	M1
PFHpS	ng/L	0.38U	36.2	36.1	36.1	19.5	<1.9	54	1	70-130		30	M1
PFMBA	ng/L	1.8J	38.2	38	38	39.1	<1.9	98	-5	70-130		30	M1
PFMPA	ng/L	0.31U	38.2	38	38	5.9	<1.9	15	0	70-130		30	M1
PFPeA	ng/L	27.0	38.2	38	38	11.1	4.8	-41	-58	70-130	79	30	M0,R1
PFPeS	ng/L	22.4	36.2	36.1	36.1	59.4	<1.9	102	-60	70-130		30	M0
13C2-PFDoA (S)	%							6	56	50-200			S0
13C24:2FTS (S)	%							1	94	50-200			S0
13C26:2FTS (S)	%							1	90	50-200			S0
13C28:2FTS (S)	%							4	88	50-200			S0
13C3-PFBS (S)	%							1	88	50-200			S0
13C3-PFHxS (S)	%							1	85	50-200			S0
13C3HFPO-DA(S)	%							0	66	50-200			S0
13C4-PFBA (S)	%							1	72	50-200			S0
13C4-PFHpA (S)	%							0	64	50-200			S0
13C5-PFHxA (S)	%							0	73	50-200			S0
13C5-PFPeA (S)	%							0	69	50-200			S0

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4743960 4743961												
Parameter	Units	35750306003 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max	Qual
			Spike Conc.	Spike Conc.							RPD	
13C6-PFDA (S)	%							2	47	50-200		S0
13C7-PFUdA (S)	%							4	50	50-200		S0
13C8-PFOA (S)	%							0	62	50-200		S0
13C8-PFOS (S)	%							4	85	50-200		S0
13C9-PFNA (S)	%							1	54	50-200		S0

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4
Pace Project No.: 70232081

QC Batch: 862712	Analysis Method: EPA 533
QC Batch Method: EPA 533	Analysis Description: 533 PFAS Compounds, Water
	Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 70232081001, 70232081003

METHOD BLANK: 4748334 Matrix: Drinking Water

Associated Lab Samples: 70232081001, 70232081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11CI-PF3OUdS	ng/L	<2.0	2.0	10/14/22 06:43	
4:2 FTS	ng/L	<2.0	2.0	10/14/22 06:43	
6:2 FTS	ng/L	<4.0	4.0	10/14/22 06:43	
8:2 FTS	ng/L	<2.0	2.0	10/14/22 06:43	
9CI-PF3ONS	ng/L	<2.0	2.0	10/14/22 06:43	
ADONA	ng/L	<2.0	2.0	10/14/22 06:43	
HFPO-DA	ng/L	<2.0	2.0	10/14/22 06:43	
NFDHA	ng/L	<2.0	2.0	10/14/22 06:43	
Perfluorobutanesulfonic acid	ng/L	<2.0	2.0	10/14/22 06:43	
Perfluorodecanoic acid	ng/L	<2.0	2.0	10/14/22 06:43	
Perfluorododecanoic acid	ng/L	<2.0	2.0	10/14/22 06:43	
Perfluoroheptanoic acid	ng/L	<2.0	2.0	10/14/22 06:43	
Perfluorohexanesulfonic acid	ng/L	<2.0	2.0	10/14/22 06:43	
Perfluorohexanoic acid	ng/L	<2.0	2.0	10/14/22 06:43	
Perfluorononanoic acid	ng/L	<2.0	2.0	10/14/22 06:43	
Perfluorooctanesulfonic acid	ng/L	<2.0	2.0	10/14/22 06:43	
Perfluorooctanoic acid	ng/L	<2.0	2.0	10/14/22 06:43	
Perfluoroundecanoic acid	ng/L	<2.0	2.0	10/14/22 06:43	
PFBA	ng/L	<2.0	2.0	10/14/22 06:43	
PFEESA	ng/L	<2.0	2.0	10/14/22 06:43	
PFHpS	ng/L	<2.0	2.0	10/14/22 06:43	
PFMBA	ng/L	<2.0	2.0	10/14/22 06:43	
PFMPA	ng/L	<2.0	2.0	10/14/22 06:43	
PFPeA	ng/L	<2.0	2.0	10/14/22 06:43	
PFPeS	ng/L	<2.0	2.0	10/14/22 06:43	IC
13C2-PFDoA (S)	%	87	50-200	10/14/22 06:43	
13C24:2FTS (S)	%	122	50-200	10/14/22 06:43	
13C26:2FTS (S)	%	100	50-200	10/14/22 06:43	
13C28:2FTS (S)	%	95	50-200	10/14/22 06:43	
13C3-PFBS (S)	%	81	50-200	10/14/22 06:43	
13C3-PFHxS (S)	%	86	50-200	10/14/22 06:43	
13C3HFPO-DA(S)	%	66	50-200	10/14/22 06:43	
13C4-PFBA (S)	%	81	50-200	10/14/22 06:43	
13C4-PFHpA (S)	%	83	50-200	10/14/22 06:43	
13C5-PFHxA (S)	%	78	50-200	10/14/22 06:43	
13C5-PFPeA (S)	%	75	50-200	10/14/22 06:43	
13C6-PFDA (S)	%	83	50-200	10/14/22 06:43	
13C7-PFUdA (S)	%	87	50-200	10/14/22 06:43	
13C8-PFOA (S)	%	83	50-200	10/14/22 06:43	
13C8-PFOS (S)	%	87	50-200	10/14/22 06:43	

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

METHOD BLANK: 4748334

Matrix: Drinking Water

Associated Lab Samples: 70232081001, 70232081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C9-PFNA (S)	%	86	50-200	10/14/22 06:43	

LABORATORY CONTROL SAMPLE: 4748335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ng/L	38	40.4	106	70-130	
4:2 FTS	ng/L	38	39.5	104	70-130	
6:2 FTS	ng/L	38	42.3	111	70-130	
8:2 FTS	ng/L	38	42.9	113	70-130	
9CI-PF3ONS	ng/L	38	40.2	106	70-130	
ADONA	ng/L	38	36.0	95	70-130	
HFPO-DA	ng/L	40	42.3	106	70-130	
NFDHA	ng/L	40	40.5	101	70-130	
Perfluorobutanesulfonic acid	ng/L	36	38.3	106	70-130	
Perfluorodecanoic acid	ng/L	40	43.9	110	70-130	
Perfluorododecanoic acid	ng/L	40	44.1	110	70-130	
Perfluoroheptanoic acid	ng/L	40	42.9	107	70-130	
Perfluorohexanesulfonic acid	ng/L	36	38.9	108	70-130	
Perfluorohexanoic acid	ng/L	40	44.2	111	70-130	
Perfluorononanoic acid	ng/L	40	43.4	108	70-130	
Perfluorooctanesulfonic acid	ng/L	38	40.2	106	70-130	
Perfluorooctanoic acid	ng/L	40	43.4	108	70-130	
Perfluoroundecanoic acid	ng/L	40	45.0	113	70-130	
PFBA	ng/L	40	43.5	109	70-130	
PFEESA	ng/L	36	35.4	98	70-130	
PFHpS	ng/L	38	42.6	112	70-130	
PFMBA	ng/L	40	42.5	106	70-130	
PFMPA	ng/L	40	43.6	109	70-130	
PFPeA	ng/L	40	42.5	106	70-130	
PFPeS	ng/L	38	33.6	88	70-130 IC	
13C2-PFDoA (S)	%			82	50-200	
13C24:2FTS (S)	%			113	50-200	
13C26:2FTS (S)	%			103	50-200	
13C28:2FTS (S)	%			93	50-200	
13C3-PFBS (S)	%			74	50-200	
13C3-PFHxS (S)	%			82	50-200	
13C3HFPO-DA(S)	%			60	50-200	
13C4-PFBA (S)	%			75	50-200	
13C4-PFHpA (S)	%			75	50-200	
13C5-PFHxA (S)	%			67	50-200	
13C5-PFPeA (S)	%			66	50-200	
13C6-PFDA (S)	%			78	50-200	
13C7-PFUdA (S)	%			81	50-200	
13C8-PFOA (S)	%			78	50-200	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

LABORATORY CONTROL SAMPLE: 4748335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
13C8-PFOS (S)	%			83	50-200	
13C9-PFNA (S)	%			80	50-200	

LABORATORY CONTROL SAMPLE: 4748336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ng/L	1.9	<2.0	88	50-150	
4:2 FTS	ng/L	1.9	<2.0	92	50-150	
6:2 FTS	ng/L	1.9	<4.0	191	50-150	L1
8:2 FTS	ng/L	1.9	<2.0	97	50-150	
9CI-PF3ONS	ng/L	1.9	<2.0	85	50-150	
ADONA	ng/L	1.9	<2.0	78	50-150	
HFPO-DA	ng/L	2	<2.0	99	50-150	
NFDHA	ng/L	2	<2.0	86	50-150	
Perfluorobutanesulfonic acid	ng/L	1.8	<2.0	90	50-150	
Perfluorodecanoic acid	ng/L	2	<2.0	97	50-150	
Perfluorododecanoic acid	ng/L	2	<2.0	93	50-150	
Perfluoroheptanoic acid	ng/L	2	<2.0	92	50-150	
Perfluorohexanesulfonic acid	ng/L	1.8	<2.0	98	50-150	
Perfluorohexanoic acid	ng/L	2	<2.0	92	50-150	
Perfluorononanoic acid	ng/L	2	<2.0	92	50-150	
Perfluorooctanesulfonic acid	ng/L	1.9	<2.0	103	50-150	
Perfluorooctanoic acid	ng/L	2	<2.0	94	50-150	
Perfluoroundecanoic acid	ng/L	2	<2.0	91	50-150	
PFBA	ng/L	2	<2.0	98	50-150	
PFEESA	ng/L	1.8	<2.0	83	50-150	
PFHpS	ng/L	1.9	<2.0	97	50-150	
PFMBA	ng/L	2	<2.0	90	50-150	
PFMPA	ng/L	2	<2.0	92	50-150	
PFPeA	ng/L	2	<2.0	93	50-150	
PFPeS	ng/L	1.9	4.0	211	50-150	IC,L1
13C2-PFDoA (S)	%			83	50-200	
13C24:2FTS (S)	%			117	50-200	
13C26:2FTS (S)	%			103	50-200	
13C28:2FTS (S)	%			94	50-200	
13C3-PFBS (S)	%			77	50-200	
13C3-PFHxS (S)	%			85	50-200	
13C3HFPO-DA(S)	%			60	50-200	
13C4-PFBA (S)	%			76	50-200	
13C4-PFHpA (S)	%			78	50-200	
13C5-PFHxA (S)	%			70	50-200	
13C5-PFPeA (S)	%			68	50-200	
13C6-PFDA (S)	%			79	50-200	
13C7-PFUdA (S)	%			84	50-200	
13C8-PFOA (S)	%			80	50-200	

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

LABORATORY CONTROL SAMPLE: 4748336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
13C8-PFOS (S)	%			85	50-200	
13C9-PFNA (S)	%			83	50-200	

MATRIX SPIKE SAMPLE: 4748337

Parameter	Units	70231823005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ng/L	<1.8	34.2	34.7	101	70-130	
4:2 FTS	ng/L	<1.8	34.2	35.1	103	70-130	
6:2 FTS	ng/L	<3.6	34.2	41.2	114	70-130	
8:2 FTS	ng/L	<1.8	34.2	38.4	112	70-130	
9CI-PF3ONS	ng/L	<1.8	34.2	35.2	103	70-130	
ADONA	ng/L	<1.8	34.2	30.4	89	70-130	
HFPO-DA	ng/L	<1.8	36	36.0	99	70-130	
NFDHA	ng/L	<1.8	36	32.7	91	70-130	
Perfluorobutanesulfonic acid	ng/L	<1.8	32.4	34.1	105	70-130	
Perfluorodecanoic acid	ng/L	<1.8	36	37.5	104	70-130	
Perfluorododecanoic acid	ng/L	<1.8	36	38.5	107	70-130	
Perfluoroheptanoic acid	ng/L	3.3	36	41.0	105	70-130	
Perfluorohexanesulfonic acid	ng/L	<1.8	32.4	34.9	105	70-130	
Perfluorohexanoic acid	ng/L	4.2	36	43.0	108	70-130	
Perfluorononanoic acid	ng/L	<1.8	36	38.3	103	70-130	
Perfluorooctanesulfonic acid	ng/L	<1.8	34.2	36.5	106	70-130	
Perfluorooctanoic acid	ng/L	4.3	36	42.5	106	70-130	
Perfluoroundecanoic acid	ng/L	<1.8	36	36.8	102	70-130	
PFBA	ng/L	7.5	36	45.6	106	70-130	
PFEESA	ng/L	<1.8	32.4	30.8	95	70-130	
PFHpS	ng/L	<1.8	34.2	37.5	109	70-130	
PFMBA	ng/L	<1.8	36	36.8	102	70-130	
PFMPA	ng/L	<1.8	36	36.5	101	70-130	
PFPeA	ng/L	4.8	36	42.8	106	70-130	
PFPeS	ng/L	<1.8	34.2	29.8	87	70-130 IC	
13C2-PFDaA (S)	%				78	50-200	
13C24:2FTS (S)	%				142	50-200	
13C26:2FTS (S)	%				125	50-200	
13C28:2FTS (S)	%				111	50-200	
13C3-PFBS (S)	%				88	50-200	
13C3-PFHxS (S)	%				97	50-200	
13C3HFPO-DA(S)	%				61	50-200	
13C4-PFBA (S)	%				74	50-200	
13C4-PFHpA (S)	%				74	50-200	
13C5-PFHxA (S)	%				67	50-200	
13C5-PFPeA (S)	%				63	50-200	
13C6-PFDA (S)	%				73	50-200	
13C7-PFUdA (S)	%				75	50-200	
13C8-PFOA (S)	%				75	50-200	

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

MATRIX SPIKE SAMPLE: 4748337

Parameter	Units	70231823005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
13C8-PFOS (S)	%				97	50-200	
13C9-PFNA (S)	%				77	50-200	

SAMPLE DUPLICATE: 4748338

Parameter	Units	70231823007 Result	Dup Result	RPD	Max RPD	Qualifiers
11CI-PF3OUdS	ng/L	<1.7	<1.7		30	
4:2 FTS	ng/L	<1.7	<1.7		30	
6:2 FTS	ng/L	5.2	<3.5		30	
8:2 FTS	ng/L	<1.7	<1.7		30	
9CI-PF3ONS	ng/L	<1.7	<1.7		30	
ADONA	ng/L	<1.7	<1.7		30	
HFPO-DA	ng/L	<1.7	<1.7		30	
NFDHA	ng/L	<1.7	<1.7		30	
Perfluorobutanesulfonic acid	ng/L	<1.7	2.0		30	
Perfluorodecanoic acid	ng/L	<1.7	<1.7		30	
Perfluorododecanoic acid	ng/L	<1.7	<1.7		30	
Perfluoroheptanoic acid	ng/L	<1.7	<1.7		30	
Perfluorohexanesulfonic acid	ng/L	<1.7	<1.7		30	
Perfluorohexanoic acid	ng/L	<1.7	<1.7		30	
Perfluorononanoic acid	ng/L	<1.7	<1.7		30	
Perfluorooctanesulfonic acid	ng/L	<1.7	<1.7		30	
Perfluorooctanoic acid	ng/L	<1.7	<1.7		30	
Perfluoroundecanoic acid	ng/L	<1.7	<1.7		30	
PFBA	ng/L	<1.7	<1.7		30	
PFEESA	ng/L	<1.7	<1.7		30	
PFHpS	ng/L	<1.7	<1.7		30	
PFMBA	ng/L	<1.7	<1.7		30	
PFMPA	ng/L	<1.7	<1.7		30	
PFPeA	ng/L	<1.7	<1.7		30	
PFPeS	ng/L	<1.7	<1.7		30 IC	
13C2-PFDoA (S)	%	68	93			
13C24:2FTS (S)	%	144	128			
13C26:2FTS (S)	%	113	114			
13C28:2FTS (S)	%	108	110			
13C3-PFBS (S)	%	96	103			
13C3-PFHxS (S)	%	96	96			
13C3HFPO-DA(S)	%	56	70			
13C4-PFBA (S)	%	63	67			
13C4-PFHpA (S)	%	66	78			
13C5-PFHxA (S)	%	65	74			
13C5-PFPeA (S)	%	63	70			
13C6-PFDA (S)	%	63	87			
13C7-PFUdA (S)	%	62	96			
13C8-PFOA (S)	%	67	81			

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

SAMPLE DUPLICATE: 4748338

Parameter	Units	70231823007 Result	Dup Result	RPD	Max RPD	Qualifiers
13C8-PFOS (S)	%	98	98			
13C9-PFNA (S)	%	69	86			

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

QC Batch:	861862	Analysis Method:	EPA 537.1
QC Batch Method:	EPA 537.1	Analysis Description:	537.1 PFOA Compounds, Water
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 70232081001, 70232081002, 70232081003, 70232081004

METHOD BLANK: 4743962 Matrix: Water

Associated Lab Samples: 70232081001, 70232081002, 70232081003, 70232081004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11CI-PF3OUdS	ng/L	<2.0	2.0	10/09/22 11:08	
9CI-PF3ONS	ng/L	<2.0	2.0	10/09/22 11:08	
ADONA	ng/L	<2.0	2.0	10/09/22 11:08	
HFPO-DA	ng/L	<2.0	2.0	10/09/22 11:08	
NEtFOSAA	ng/L	<2.0	2.0	10/09/22 11:08	
NMeFOSAA	ng/L	<2.0	2.0	10/09/22 11:08	
Perfluorobutanesulfonic acid	ng/L	<2.0	2.0	10/09/22 11:08	
Perfluorodecanoic acid	ng/L	<2.0	2.0	10/09/22 11:08	
Perfluorododecanoic acid	ng/L	<2.0	2.0	10/09/22 11:08	
Perfluoroheptanoic acid	ng/L	<2.0	2.0	10/09/22 11:08	
Perfluorohexanesulfonic acid	ng/L	<2.0	2.0	10/09/22 11:08	
Perfluorohexanoic acid	ng/L	<2.0	2.0	10/09/22 11:08	
Perfluorononanoic acid	ng/L	<2.0	2.0	10/09/22 11:08	
Perfluorooctanesulfonic acid	ng/L	<2.0	2.0	10/09/22 11:08	
Perfluorooctanoic acid	ng/L	<2.0	2.0	10/09/22 11:08	
Perfluorotetradecanoic acid	ng/L	<2.0	2.0	10/09/22 11:08	
Perfluorotridecanoic acid	ng/L	<2.0	2.0	10/09/22 11:08	
Perfluoroundecanoic acid	ng/L	<2.0	2.0	10/09/22 11:08	
13C2-PFDA (S)	%	91	70-130	10/09/22 11:08	
13C2-PFHxA (S)	%	91	70-130	10/09/22 11:08	
HFPO-DAS (S)	%	91	70-130	10/09/22 11:08	
NEtFOSAA-d5 (S)	%	85	70-130	10/09/22 11:08	

LABORATORY CONTROL SAMPLE: 4743963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ng/L	7.5	7.6	101	70-130	
9CI-PF3ONS	ng/L	7.4	7.5	101	70-130	
ADONA	ng/L	7.6	7.4	98	70-130	
HFPO-DA	ng/L	8	7.9	99	70-130	
NEtFOSAA	ng/L	8	7.9	99	70-130	
NMeFOSAA	ng/L	8	8.0	100	70-130	
Perfluorobutanesulfonic acid	ng/L	7.1	7.5	106	70-130	
Perfluorodecanoic acid	ng/L	8	8.5	106	70-130	
Perfluorododecanoic acid	ng/L	8	8.4	106	70-130	
Perfluoroheptanoic acid	ng/L	8	8.0	100	70-130	
Perfluorohexanesulfonic acid	ng/L	7.3	7.6	104	70-130	
Perfluorohexanoic acid	ng/L	8	8.2	102	70-130	
Perfluorononanoic acid	ng/L	8	8.4	105	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

LABORATORY CONTROL SAMPLE: 4743963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Perfluorooctanesulfonic acid	ng/L	7.4	8.2	110	70-130	
Perfluorooctanoic acid	ng/L	8	8.5	106	70-130	
Perfluorotetradecanoic acid	ng/L	8	8.1	101	70-130	
Perfluorotridecanoic acid	ng/L	8	8.2	103	70-130	
Perfluoroundecanoic acid	ng/L	8	8.4	105	70-130	
13C2-PFDA (S)	%			89	70-130	
13C2-PFHxA (S)	%			85	70-130	
HFPO-DAS (S)	%			79	70-130	
NETFOSAA-d5 (S)	%			84	70-130	

LABORATORY CONTROL SAMPLE: 4743964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ng/L	1.9	<2.0	88	50-150	
9CI-PF3ONS	ng/L	1.9	<2.0	93	50-150	
ADONA	ng/L	1.9	<2.0	97	50-150	
HFPO-DA	ng/L	2	2.1	105	50-150	
NETFOSAA	ng/L	2	<2.0	93	50-150	
NMeFOSAA	ng/L	2	<2.0	93	50-150	
Perfluorobutanesulfonic acid	ng/L	1.8	<2.0	112	50-150	
Perfluorodecanoic acid	ng/L	2	<2.0	97	50-150	
Perfluorododecanoic acid	ng/L	2	<2.0	93	50-150	
Perfluoroheptanoic acid	ng/L	2	<2.0	94	50-150	
Perfluorohexanesulfonic acid	ng/L	1.8	<2.0	96	50-150	
Perfluorohexanoic acid	ng/L	2	<2.0	97	50-150	
Perfluorononanoic acid	ng/L	2	<2.0	95	50-150	
Perfluorooctanesulfonic acid	ng/L	1.9	2.1	114	50-150	
Perfluorooctanoic acid	ng/L	2	2.0	102	50-150	
Perfluorotetradecanoic acid	ng/L	2	<2.0	90	50-150	
Perfluorotridecanoic acid	ng/L	2	<2.0	91	50-150	
Perfluoroundecanoic acid	ng/L	2	<2.0	93	50-150	
13C2-PFDA (S)	%			94	70-130	
13C2-PFHxA (S)	%			95	70-130	
HFPO-DAS (S)	%			93	70-130	
NETFOSAA-d5 (S)	%			89	70-130	

MATRIX SPIKE SAMPLE: 4743965

Parameter	Units	70232058001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ng/L	<1.8	6.7	6.6	99	70-130	
9CI-PF3ONS	ng/L	<1.8	6.6	6.7	102	70-130	
ADONA	ng/L	<1.8	6.7	6.8	102	70-130	
HFPO-DA	ng/L	<1.8	7.1	6.5	91	70-130	
NETFOSAA	ng/L	<1.8	7.1	7.0	98	70-130	

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QUALITY CONTROL DATA

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

MATRIX SPIKE SAMPLE: 4743965

Parameter	Units	70232058001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
NMeFOSAA	ng/L	<1.8	7.1	7.2	102	70-130	
Perfluorobutanesulfonic acid	ng/L	<1.8	6.3	7.2	103	70-130	
Perfluorodecanoic acid	ng/L	<1.8	7.1	7.3	103	70-130	
Perfluorododecanoic acid	ng/L	<1.8	7.1	7.2	100	70-130	
Perfluoroheptanoic acid	ng/L	<1.8	7.1	8.1	106	70-130	
Perfluorohexanesulfonic acid	ng/L	<1.8	6.5	8.7	109	70-130	
Perfluorohexanoic acid	ng/L	<1.8	7.1	8.7	104	70-130	
Perfluorononanoic acid	ng/L	<1.8	7.1	8.3	105	70-130	
Perfluorooctanesulfonic acid	ng/L	<1.8	6.6	8.5	106	70-130	
Perfluorooctanoic acid	ng/L	2.4	7.1	10	107	70-130	
Perfluorotetradecanoic acid	ng/L	<1.8	7.1	7.0	98	70-130	
Perfluorotridecanoic acid	ng/L	<1.8	7.1	7.0	98	70-130	
Perfluoroundecanoic acid	ng/L	<1.8	7.1	7.1	99	70-130	
13C2-PFDA (S)	%				93	70-130	
13C2-PFHxA (S)	%				92	70-130	
HFPO-DAS (S)	%				85	70-130	
NEtFOSAA-d5 (S)	%				89	70-130	

SAMPLE DUPLICATE: 4743966

Parameter	Units	70232058002 Result	Dup Result	RPD	Max RPD	Qualifiers
11CI-PF3OUdS	ng/L	<1.8	<1.8		30	
9CI-PF3ONS	ng/L	<1.8	<1.8		30	
ADONA	ng/L	<1.8	<1.8		30	
HFPO-DA	ng/L	<1.8	<1.8		30	
NEtFOSAA	ng/L	<1.8	<1.8		30	
NMeFOSAA	ng/L	<1.8	<1.8		30	
Perfluorobutanesulfonic acid	ng/L	<1.8	<1.8		30	
Perfluorodecanoic acid	ng/L	<1.8	<1.8		30	
Perfluorododecanoic acid	ng/L	<1.8	<1.8		30	
Perfluoroheptanoic acid	ng/L	<1.8	<1.8		30	
Perfluorohexanesulfonic acid	ng/L	2.0	1.8	13	30	
Perfluorohexanoic acid	ng/L	<1.8	<1.8		30	
Perfluorononanoic acid	ng/L	<1.8	<1.8		30	
Perfluorooctanesulfonic acid	ng/L	2.0	1.8	9	30	
Perfluorooctanoic acid	ng/L	2.2	2.2	2	30	
Perfluorotetradecanoic acid	ng/L	<1.8	<1.8		30	
Perfluorotridecanoic acid	ng/L	<1.8	<1.8		30	
Perfluoroundecanoic acid	ng/L	<1.8	<1.8		30	
13C2-PFDA (S)	%	89	88			
13C2-PFHxA (S)	%	89	87			
HFPO-DAS (S)	%	84	83			
NEtFOSAA-d5 (S)	%	85	88			

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QUALIFIERS

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 1407519

[1] Method 522: MS accepted based on low level criteria of 50-150%.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

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

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

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

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 533/537/1,4 DIOXANE 10/4

Pace Project No.: 70232081

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70232081001	N-07781	EPA 522	278467	EPA 522	278686
70232081003	N-13268	EPA 522	278467	EPA 522	278686
70232081001	N-07781	EPA 533	862712	EPA 533	863362
70232081002	N-07781 FIELD BLANK	EPA 533	861861	EPA 533	861929
70232081003	N-13268	EPA 533	862712	EPA 533	863362
70232081004	N-13268 FIELD BLANK	EPA 533	861861	EPA 533	861929
70232081001	N-07781	EPA 537.1	861862	EPA 537.1	862018
70232081002	N-07781 FIELD BLANK	EPA 537.1	861862	EPA 537.1	862018
70232081003	N-13268	EPA 537.1	861862	EPA 537.1	862018
70232081004	N-13268 FIELD BLANK	EPA 537.1	861862	EPA 537.1	862018

REPORT OF LABORATORY ANALYSIS

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Sample Request Form PUBLIC WATER SUPPLIER

Date: 10/4/22

Collected By: AL

Accepted By: [Signature] 10/4/22 13:18

Cooler Temp: 1.4 °C (B)

WELL OFF LINE _____

WELL RUN TO SYSTEM _____
22, 31

YES NO VOC'S PRESERVED WITH HCl

Client Info:

Name or Code: Jericho Water

Address: 125 Convent Rd
Syosset, NY

Phone #: 516-921-8280

Attn: _____

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		Analysis	Lab No.
						Cl ₂	pH/Temp		
10/4/22 9:15	PW	Well 22 N-07781	RW		RO			Pfos/Pfon Method 533 & 537 Full List	
10/4/22 9:15	PW	Well 22 N-07781	RW		RO			1,4 Dioxane	
10/4/22 10:15	PW	Well 31 N-13268	RW		RO			Pfos/Pfon Method 533 & 537 Full List	
10/4/22 10:15	PW	Well 31 N-13268	RW		RO			1,4 Dioxane	

Remarks: _____



Sample Condition Upon Receipt

WO#: 70232081

Client Name: JWS

Pro

PM: JSA

Due Date: 10/18/22

CLIENT: JWD

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: FH148 Correction Factor: +0.1

Cooler Temperature(°C): 1.4 Cooler Temperature Corrected(°C): 1.5

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: J.W. 10/14/22

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	12.
-Includes date/time/ID, Matrix: SL (WT) OIL	
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 ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #	
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Sample #
NAOH>12 Cyanide)	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRD/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 type="checkbox"/> No <input checked="" 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: _____



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

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70235350001
Client Sample ID.: N-04245

Attn To : Peter Logan

Federal ID : 2902831

Collected : 11/02/2022 08:50 AM Point N-04245

Received : 11/02/2022 11:00 AM Location Well 9

Collected By CLIENT

Analytical Method: EPA 522		Prep Method: EPA 522			Prep Date: 11/03/2022 11:40		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.033	L1	1	ug/L	1	11/04/2022 10:06	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	114%		1	%REC		11/04/2022 10:06	001 AG2R1/2

Qualifiers:

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

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70235350002
Client Sample ID.: N-06651

Attn To : Peter Logan

Federal ID : 2902831

Collected : 11/02/2022 09:03 AM Point N-06651

Received : 11/02/2022 11:00 AM Location Well 14

Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	3.0*	L1	1	ug/L	1	11/04/2022 10:23	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	111%		1	%REC		11/04/2022 10:23	002 AG2R1/2

Qualifiers:

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

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70235350003
Client Sample ID.: N-07781

Attn To : Peter Logan
 Federal ID : 2902831

Collected : 11/02/2022 09:18 AM Point N-07781
 Received : 11/02/2022 11:00 AM Location Well 22

Collected By CLIENT

Sample Comments:
 RUN TO WASTE

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.69	L1	1	ug/L	1	11/04/2022 10:57	003 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	113%		1	%REC		11/04/2022 10:57	003 AG2R1/2

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
 ND - Not Detected at or above adjusted reporting limit.
 J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range
 U - Indicates the compound was analyzed for, but not detected
 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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WorkOrder :
70235350

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



575 Broad Hollow Road, Melville, NY 11747

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

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WorkOrder :

70235350

Additional Qualifiers

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

WO#: 70235350



70235350

11747

(631) 674-3040 Fax: (631) 426-6736

Sample Request Form PUBLIC WATER SUPPLIER

Date: 11-2-22

Collected By: Tu

Accepted By: Suzel P.L.T., 11:00 A

Cooler Temp: 2.3 °C (B)

WELL OFF LINE _____

22,

WELL RUN TO SYSTEM _____

9, 14, 31, 29

YES NO VOC'S PRESERVED WITH HCl

Client Info:

Name or Code: Jericho Water Dist

Address: 125 Convent Rd

Syosset NY 11791

Phone #: (516) 921-8280

Attn: _____

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:

Page 8 of 10

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings		Analysis	Lab No.
						Cl ₂	pH/Temp		
11-2-22 0850	PW	well #9 N-04245	RW		RO	Ø		1,4-Dioxane	
11-2-22 0903	PW	well #14 N-06051	RW		RO	Ø		" "	
11-2-22 0918	PW	well #22 N-07781	RW		RO	Ø		" "	
11-2-22 0942	PW	well #31 N-13268	RW		RO	Ø		" "	
11-2-22 1005	PW	well #29 N-11107	RW		RO	Ø		" "	

Remarks:



Sample Condition Upon Receipt

WO#: 70235350
PM: JSA **Due Date: 11/14/22**
CLIENT: JWD

Client Name: JWD

Courier: Fed Ex UPS USPS Client Commercial Pace 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: TH148 Correction Factor: + 0.1

Samples on ice, cooling process has begun

Cooler Temperature [C]: 2.2 Cooler Temperature Corrected [C]: 2.3

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: _____

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 I)	<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: SL <u>(WT)</u> OIL				
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 ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , 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: KI starch test strips Lot #	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
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 type="checkbox"/> No	<input checked="" 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

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70235271002
Client Sample ID.: N-10149

Attn To : Peter Logan

Federal ID : 2902831

Collected : 11/02/2022 09:50 AM Point N-10149

Received : 11/02/2022 10:40 AM Location Well 20

Collected By CLIENT

Sample Comments:

RUN TO WASTE

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.82	L1	1	ug/L	1	11/04/2022 9:15 PM	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	116%		1	%REC		11/04/2022 9:15 PM	002 AG2R1/2

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
 ND - Not Detected at or above adjusted reporting limit.
 J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range
 U - Indicates the compound was analyzed for, but not detected
 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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WorkOrder :
70235271

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



575 Broad Hollow Road, Melville, NY 11747

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

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WorkOrder :

70235271

Additional Qualifiers

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

M0 - Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

WO#: 70235271



47

Sample Request Form PUBLIC WATER SUPPLIER

Date: 11/2/22

Collected By: CS
Accepted By: David P. L. - 10:40 AM

Cooler Temp: 1.4 °C (B)

WELL OFF LINE _____

WELL RUN TO SYSTEM _____

YES NO VOC'S PRESERVED WITH HCl

Client Info:

Name or Code: Jencho Water

Address: 125 Convent Rd
Syosset, NY 11791

Phone #: (516) 921-8280

Attn: _____

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:

page 5 of 7

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings		Analysis	Lab No.
						Cl ₂	pH/Temp		
11/2/22 9:50am	PW	Ren to waste Well 19 H-07773	RW		RO			1.4 Dioxene	
11/2/22 9:00am	PW	Ren to waste Well 20 H-10149	RW		RO			1.4 Dioxene	

Remarks: _____



Sample Condition Upon Receipt

WO#: 70235271

Client Name: JWD

Project

PM: JSA

Due Date: 11/14/22

CLIENT: JWD

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: FH148 Correction Factor: + 0.1

Cooler Temperature(°C): 1.4 Cooler Temperature Corrected(°C): 1.5

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: A.S 11/2

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	12.
-Includes date/time/ID, Matrix: SL, WT, OIL	
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 ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #	Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , 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	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 type="checkbox"/> No <input checked="" 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

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70235831005
Client Sample ID.: N-12795

Attn To : Peter Logan

Federal ID : 2902831

Collected : 11/07/2022 10:10 AM Point N-12795

Received : 11/07/2022 12:48 PM Location Well 21

Collected By CLIENT

Analytical Method: EPA 522		Prep Method: EPA 522			Prep Date: 11/09/2022 3:44 PM		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.59		1	ug/L	1	11/10/2022 4:21 PM	005 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	109%		1	%REC		11/10/2022 4:21 PM	005 AG2R1/2

Analytical Method: EPA 533		Prep Method: EPA 533			Prep Date: 11/18/2022 11:41		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11Cl-PF3OUdS	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
4:2 FTS	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
6:2 FTS	<3.6		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
8:2 FTS	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
9Cl-PF3ONS	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
ADONA	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
HFPO-DA	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
NFDHA	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
PFBA	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
PFEESA	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
PFHpS	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
PFMBA	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
PFMPA	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
PFPeA	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
PFPeS	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
Perfluorobutanesulfonic acid	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
Perfluorodecanoic acid	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
Perfluorododecanoic acid	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
Perfluoroheptanoic acid	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
Perfluorohexanesulfonic acid	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
Perfluorohexanoic acid	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
Perfluorononanoic acid	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
Perfluorooctanesulfonic acid	<1.8		1	ng/L	10	11/20/2022 2:44 AM	005 BP351/2
Perfluorooctanoic acid	<1.8		1	ng/L	10	11/20/2022 2:44 AM	005 BP351/2
Perfluoroundecanoic acid	<1.8		1	ng/L		11/20/2022 2:44 AM	005 BP351/2
Surr: 13C2-PFDoA (S)	18%	S0	1	%REC		11/20/2022 2:44 AM	005 BP351/2
Surr: 13C24:2FTS (S)	94%		1	%REC		11/20/2022 2:44 AM	005 BP351/2
Surr: 13C26:2FTS (S)	99%		1	%REC		11/20/2022 2:44 AM	005 BP351/2
Surr: 13C28:2FTS (S)	99%		1	%REC		11/20/2022 2:44 AM	005 BP351/2
Surr: 13C3-PFBS (S)	88%		1	%REC		11/20/2022 2:44 AM	005 BP351/2
Surr: 13C3-PFHxS (S)	87%		1	%REC		11/20/2022 2:44 AM	005 BP351/2
Surr: 13C3HFPO-DA(S)	49%	S0	1	%REC		11/20/2022 2:44 AM	005 BP351/2
Surr: 13C4-PFBA (S)	47%	S0	1	%REC		11/20/2022 2:44 AM	005 BP351/2
Surr: 13C4-PFHpA (S)	50%		1	%REC		11/20/2022 2:44 AM	005 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: 11/23/2022



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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

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70235831005
Client Sample ID.: N-12795

Attn To : Peter Logan

Federal ID : 2902831

Collected : 11/07/2022 10:10 AM Point N-12795

Received : 11/07/2022 12:48 PM Location Well 21

Collected By CLIENT

Surr: 13C5-PFHxA (S)	52%		1	%REC	11/20/2022 2:44 AM	005 BP351/2
Surr: 13C5-PFPeA (S)	48%	S0	1	%REC	11/20/2022 2:44 AM	005 BP351/2
Surr: 13C6-PFDA (S)	32%	S0	1	%REC	11/20/2022 2:44 AM	005 BP351/2
Surr: 13C7-PFUdA (S)	22%	S0	1	%REC	11/20/2022 2:44 AM	005 BP351/2
Surr: 13C8-PFOA (S)	47%	S0	1	%REC	11/20/2022 2:44 AM	005 BP351/2
Surr: 13C8-PFOS (S)	84%		1	%REC	11/20/2022 2:44 AM	005 BP351/2
Surr: 13C9-PFNA (S)	42%	S0	1	%REC	11/20/2022 2:44 AM	005 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: 11/23/2022

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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WorkOrder :

70235831

Laboratory Certifications

Pace Analytical Services Ormond Beach

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



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WorkOrder :
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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

WO#: 70235831

PM: JSA

Due Date: 11/21/22

CLIENT: JWD

Client Name: JWD

Project

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: FH148 Correction Factor: + 0.1

Cooler Temperature(°C): 1.2 Cooler Temperature Corrected(°C): 1.3

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: JH 11/7

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 I) <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: SL WT OIL	
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 ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #	
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Sample #
NAOH>12 Cyanide)	
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. 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 type="checkbox"/> No <input checked="" 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: _____



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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

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70238898002
Client Sample ID.: N-04245

Attn To : Peter Logan

Federal ID : 2902831

Collected : 12/06/2022 11:10 AM Point N-04245

Received : 12/06/2022 01:00 PM Location Well 9

Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	1.2*		1	ug/L	1	12/08/2022 12:56	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	102%		1	%REC		12/08/2022 12:56	002 AG2R1/2

Qualifiers:

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

ND - Not Detected at or above adjusted reporting limit.

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

U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).

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

Date Reported: 12/09/2022

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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WorkOrder :

70238898

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

WO#: 70238898



70238898

Sample Request Form PUBLIC WATER SUPPLIER

Date: 12/6/22

Collected By: [Signature] CS

Accepted By: [Signature] Jce/LS B20

Cooler Temp: 114 °C (B)

WELL OFF LINE _____

WELL RUN TO SYSTEM _____

YES NO VOC'S PRESERVED WITH HCl

Client Info:

Name or Code: Tencho Water

Address: 125 Convent Rd

Syosset, NY 11791

Phone #: (516) 921-8280

Attn: _____

Proj. # or (Name): _____

Bill To: _____

Copies To: _____

Sample Types

PW - Potable Water
GW - Groundwater
SW - Surface Water
WW - Waste Water
AQ - Aqueous
S - Soil

Purpose

RO - Routine
RE - Resample
S - Special

Origin

D - Distribution
RW - Raw Well
TW - Treated Well
T - Tank
MW - Monitoring Well
I - Influent
E - Effluent

Treatment Types

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

Sample Info:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings		Analysis	Lab No.
						Cl ₂	pH/Temp		
12/6/22 9:52am	PW	Well 27 - N-05713	RW		RO			1.4 Dioxane	
12/6/22 11:10am	PW	Well 9 H-04245	RW		RO			1.4 Dioxane	

Remarks:



Sample Condition Upon Receipt

WO#: 70238898
PM: JSA Due Date: 12/16/22
CLIENT: JWD

Client Name: JWD

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: T1148 Correction Factor: + 0.1
Cooler Temperature[C]: 1.4 Cooler Temperature Corrected[C]: 1.5

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

Temp should be above freezing to 6.0°C
USDA Regulated Soil [N/A, water sample] Date and Initials of person examining contents: JWD 12/16/22

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: Item description, Yes/No/N/A checkboxes, and Comments. Includes items like Chain of Custody Present, Samples Arrived within Hold Time, etc.

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: Date/Time:
Comments/ Resolution:

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



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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

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70238996001
Client Sample ID.: N-12795

Attn To : Peter Logan

Federal ID : 2902831

Collected : 12/07/2022 09:20 AM Point N-12795

Received : 12/07/2022 11:35 AM Location Well 21

Collected By CLIENT

Analytical Method:EPA 522		Prep Method: EPA 522			Prep Date: 12/08/2022 1:30 PM		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.59		1	ug/L	1	12/09/2022 6:05 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	100%		1	%REC		12/09/2022 6:05 PM	001 AG2R1/2

Analytical Method:EPA 533		Prep Method: EPA 533			Prep Date: 12/10/2022 1:10 AM		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11Cl-PF3OUdS	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
4:2 FTS	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
6:2 FTS	<4.0	IC,L1	1	ng/L		12/10/2022 10:40	001 BP351/2
8:2 FTS	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
9Cl-PF3ONS	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
ADONA	<2.0		1	ng/L		12/10/2022 10:40	001 BP351/2
HFPO-DA	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
NFDHA	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
PFBA	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
PFEESA	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
PFHpS	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
PFMBA	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
PFMPA	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
PFPeA	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
PFPeS	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
Perfluorobutanesulfonic acid	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
Perfluorodecanoic acid	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
Perfluorododecanoic acid	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
Perfluoroheptanoic acid	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
Perfluorohexanesulfonic acid	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
Perfluorohexanoic acid	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
Perfluorononanoic acid	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
Perfluorooctanesulfonic acid	<2.0	L1	1	ng/L	10	12/10/2022 10:40	001 BP351/2
Perfluorooctanoic acid	<2.0	L1	1	ng/L	10	12/10/2022 10:40	001 BP351/2
Perfluoroundecanoic acid	<2.0	L1	1	ng/L		12/10/2022 10:40	001 BP351/2
Surr: 13C2-PFDoA (S)	81%		1	%REC		12/10/2022 10:40	001 BP351/2
Surr: 13C24:2FTS (S)	102%		1	%REC		12/10/2022 10:40	001 BP351/2
Surr: 13C26:2FTS (S)	114%		1	%REC		12/10/2022 10:40	001 BP351/2
Surr: 13C28:2FTS (S)	112%		1	%REC		12/10/2022 10:40	001 BP351/2
Surr: 13C3-PFBS (S)	104%		1	%REC		12/10/2022 10:40	001 BP351/2
Surr: 13C3-PFHxS (S)	104%		1	%REC		12/10/2022 10:40	001 BP351/2
Surr: 13C3HFPO-DA(S)	70%		1	%REC		12/10/2022 10:40	001 BP351/2
Surr: 13C4-PFBA (S)	73%		1	%REC		12/10/2022 10:40	001 BP351/2
Surr: 13C4-PFHpA (S)	78%		1	%REC		12/10/2022 10:40	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: 12/19/2022



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

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70238996001
Client Sample ID.: N-12795

Attn To : Peter Logan

Federal ID : 2902831

Collected : 12/07/2022 09:20 AM Point N-12795

Received : 12/07/2022 11:35 AM Location Well 21

Collected By CLIENT

Surr: 13C5-PFHxA (S)	73%	1	%REC	12/10/2022 10:40	001 BP351/2
Surr: 13C5-PFPeA (S)	73%	1	%REC	12/10/2022 10:40	001 BP351/2
Surr: 13C6-PFDA (S)	84%	1	%REC	12/10/2022 10:40	001 BP351/2
Surr: 13C7-PFUdA (S)	86%	1	%REC	12/10/2022 10:40	001 BP351/2
Surr: 13C8-PFOA (S)	80%	1	%REC	12/10/2022 10:40	001 BP351/2
Surr: 13C8-PFOS (S)	103%	1	%REC	12/10/2022 10:40	001 BP351/2
Surr: 13C9-PFNA (S)	83%	1	%REC	12/10/2022 10:40	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: 12/19/2022

Jennifer Aracri

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WorkOrder :

70238996

Laboratory Certifications

Pace Analytical Services Ormond Beach

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



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WorkOrder :
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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

WO#: 70238996



70238996

747

(631) 694-3040 Fax: (631) 420-8436

Sample Request Form PUBLIC WATER SUPPLIER

Date: 12-7-22

Collected By: J

Accepted By: Samir

Cooler Temp: 0.8 °C 1247 1135

WELL OFF LINE _____

WELL RUN TO SYSTEM _____

YES NO VOC'S PRESERVED WITH HCl

Client Info:

Name or Code: Jescho water

Address: 125 Court Rd

Phone #: _____

Attn: _____

Proj. # or (Name): _____

Bill To: _____

Copies To: _____

Sample Types

- PW - Potable Water
- GW - Groundwater
- SW - Surface Water
- WW - Waste Water
- AQ - Aqueous
- S - Soil

Purpose

- RO - Routine
- RE - Resample
- S - Special

Origin

- D - Distribution
- RW - Raw Well
- TW - Treated Well
- T - Tank
- MW - Monitoring Well
- I - Influent
- E - Effluent

Treatment Types

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

Sample Info:

Page 11 of 13

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings		Analysis	Lab No.
						Cl ₂	pH/Temp		
12-7-22 9:20	PW	N-12795 well 21	KW		KO			1,4 Dioxin	
9:20								PFOS / PFOA	
10:30		N-06092 well 12						1,4 dioxin	
10:50								PFOS / PFOA	

Remarks:

JWD

WO#: 70238996

Courier: Fed Ex UPS USPS Client Commercial Face Other

PM: JSA Due Date: 12/19/22
CLIENT: JWD

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: T1148 Correction Factor: + 0.1

Cooler Temperature (°C): 4.0 Cooler Temperature Corrected (°C): 4.1

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: SH 12/7/22

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 type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for IGC)	<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: SL WT OIL		
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 ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with method recommendation?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
{HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NAOH > 12 Cyanide}		
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).		Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
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. 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 checked="" 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: _____

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



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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

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70238988003
Client Sample ID.: N-07781

Attn To : Peter Logan
 Federal ID : 2902831

Collected : 12/07/2022 10:33 AM Point N-07781
 Received : 12/07/2022 12:37 PM Location Well 22

Collected By CLIENT

Sample Comments:
 RUN TO WASTE

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.34	1		ug/L	1	12/09/2022 8:54 PM	003 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	95%		1	%REC		12/09/2022 8:54 PM	003 AG2R1/2

Qualifiers:

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

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: 12/12/2022



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WorkOrder :
70238988

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

WO#: 70238988



70238988

Sample Request Form PUBLIC WATER SUPPLIER

Date: 12-7-22

Collected By: TR

Accepted By: for ALL 12:37

Cooler Temp: 4.0 °C (B)

WELL OFF LINE Ran to Waste

11, 7, 22, 31

WELL RUN TO SYSTEM

YES NO VOC'S PRESERVED WITH HCl

Client Info:

Name or Code: Jericho Water Dist.

Address: 125 Convent Rd

Syosset N.Y 11791

Phone #: (516) 921-8280

Attn: _____

Proj. # or (Name): _____

Bill To: _____

Copies To: _____

Sample Types

- PW - Potable Water
- GW - Groundwater
- SW - Surface Water
- WW - Waste Water
- AQ - Aqueous
- S - Soil

Purpose

- RO - Routine
- RE - Resample
- S - Special

Origin

- D - Distribution
- RW - Raw Well
- TW - Treated Well
- T - Tank
- MW - Monitoring Well
- I - Influent
- E - Effluent

Treatment Types

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

Sample Info:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings		Analysis	Lab No.
						Cl ₂	pH/Temp		
<u>12-7-22 0921</u>	<u>PW</u>	<u>well #11 N-05201</u>	<u>RW</u>		<u>RO</u>			<u>1,4-Dioxane</u>	
<u>12-7-22 0955</u>	<u>PW</u>	<u>well #7 N-03475</u>	<u>RW</u>		<u>RO</u>			<u>"</u>	
<u>12-7-22 1033</u>	<u>PW</u>	<u>well #22 N-07781</u>	<u>RW</u>		<u>RO</u>			<u>"</u>	
<u>12-7-22 1155</u>	<u>PW</u>	<u>well #31 N-13268</u>	<u>RW</u>		<u>RO</u>			<u>"</u>	

Remarks: _____

JWD

WO#: 70238988

PM: JSA

Due Date: 12/19/22

CLIENT: JWD

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

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

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: T#148 Correction Factor: + 0.1

Samples on ice, cooling process has begun
Date/Time 5035A kits placed in freezer

Cooler Temperature(°C): 4.0 Cooler Temperature Corrected(°C): 4.1

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: SH 12/7/22

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 lab)	<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 checked="" 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: SL WT OIL				
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 ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with method recommendation?				
(HNO ₃ , H ₂ SO ₄ , 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].				Initial when completed: Lot # of added preservative: Date/Time preservative added:
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. 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 type="checkbox"/> No	<input checked="" 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:

* PM [Project Manager] review is documented electronically in LIMS.