H2M architects + engineers
CELEBRATING 90 YEARS
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747 | tel 631.756.8000

July 10, 2023

Ms. Kristine Wheeler, P.E., Director
Bureau of Water Supply Protection
New York State Department of Health
Corning Tower
Empire State Plaza, Rm 1110
Albany, New York 12237

Emailed To: bpwsp@health.ny.gov

Mr. Jason Hime, P.E.
Suffolk County Department of Health Services
360 Yaphank Avenue, Ste. 1C
Yaphank, New York 11980-9653

Re South Huntington Water District
1,4-Dioxane MCL Deferral
Emerging Contaminant Quarterly Update – 2nd Quarter 2023
Public Water System ID# NY5103263

Dear Ms. Wheeler and Mr. Hime:

On behalf of the South Huntington Water District, our office has prepared the enclosed emerging contaminant quarterly update for the 2nd quarter of 2023 (April 1, 2023, through June 30, 2023).

The South Huntington Water District has, for the past several years, been proactively addressing the issues of emerging contaminants in their supply wells. However, with the MCL being established for 1,4-dioxane in August 2020, the District did not have sufficient time to implement wellhead treatment for the removal of 1,4-dioxane. The District requested a Deferral for the 1,4-dioxane MCL which was approved on January 7, 2021 and shall be effective until July 31, 2022. A formal request for an extension of the MCL deferral period was requested in June 2022 with a deferral extension being granted that remains in effect until July 31, 2023.

As requested by the deferral extension approval, the District provided the residents with the Public Notice and it is posted on their website. In addition, this Quarterly Update has been prepared to present the progress the District is making to install treatment systems to remove 1,4-dioxane. More specifically, this update provides:

A. A summary of 1,4-dioxane sampling results for this quarter.

B. Progress Reports on 1,4-dioxane treatment projects and any potential issues that could delay progress in meeting milestone dates presented in the Corrective Action Plan in the original Deferral request.

The 2nd Quarter samples were taken between 4/6/2023 and 6/29/2023. Some of the results included within this report are preliminary and do not have a lab report attached. The 2nd Quarter deferral report will be updated and reissued as soon as the sampling results have been processed and received.

In summary, during the 2nd Quarter of 2023, **all water delivered by the District was below the MCL for 1,4-dioxane**. During start up testing to waste, Well No. 4 had a 2nd Quarter 1,4-dioxane result of .96 ug/l. Well No. 4 is being monitored for 1,4-dioxane in order to determine if wellhead treatment is necessary for 1,4-dioxane removal.

The AOP treatment at Plant No. 10 is substantially complete. Completed works approval has been received from the Department of Health. As of mid-December 2022, plant No. 10 AOP treatment is currently online and 1,4-dioxane sampling results are non-detect. The AOP treatment at Plant No. 3 is substantially complete. Completed works approval has been received from the Department of Health - February 2023. Plant No. 3 AOP treatment is currently online and 1,4-dioxane results are non-detect with one result slightly detecting 1,4-dioxane at a level of .025 ug/l.

As noted in the attached progress report, the District is proceeding with AOP treatment at Plant No. 8 at this time. A formal request for an extension of the MCL deferral period was granted until July 2023 to allow for the treatment system at Plant No. 8 to be completed. Design and construction for the interim AOP treatment has been completed with completed works approval being received in May 2023. Design of the permanent AOP treatment at Well No. 8 is currently underway.

The District has detected elevated levels of 1,4-dioxane at Well No. 4. The District has approved the installation of an additional well at the Plant No. 8 site in order to provide sufficient water distribution while Well No. 4 is being monitored for 1,4-dioxane in order to determine if wellhead treatment is necessary for 1,4-dioxane removal. The District has also detected increasing levels of 1,4-dioxane in Well No. 15-1. The District has approved and an engineering report is being prepared for the determination of potential options for wellhead treatment of 1,4-dioxane removal at Plant No. 15.

The District has posted this Quarterly Update on the South Huntington Water District website. Final results have been received from the lab and the 2nd Quarter report has been updated.

Please contact our office should you have any comments concerning this Deferral Update.

Very truly yours,

H2M architects + engineers

Timothy J. McGuire

Digitally signed by Timothy J. McGuire
DN: cn=Timothy J. McGuire, o=H2M architects + engineers, ou=014100, email=tmcguire@h2m.com, c=US
Date: 2023.07.10 11:08:01 -04'00'

Timothy J. McGuire, P.E.
Department Manager

TJM:ejm

Enclosure

cc: Board of Commissioners
Mr. Brian O'Donnell
Mr. Mike McGovern
Dennis Kelleher, P.E.

X:\SHWD (South Huntington Water District) - 10885\SHWD2350 - Retainer\Quarterly Reports\Q2 – July 2023

South Huntington Water District
PWS ID No. NY5103263
1,4-dioxane Water Quality Summary

Status as of: April 1, 2023 through June 30, 2023
Prepared By: H2M architects+engineers

Location	Date Sampled	1,4-Dioxane (ug/L) Finished Water Levels	AOP Treatment in Place (Y/N)	Notes and Comments
Well 3-2	6/15/2023	*0.025	Y	AOP/GAC
Well 3-3	5/24/2023	<0.02	Y	AOP/GAC
Well 4	4/11/2023	**0.96**	N	GAC, STARTUP TESTING, NOT RUN TO SYSTEM
Well 6	4/12/2023	0.29	N	GAC
Well 7-1 & 7-2 Blended	4/13/2023	0.046	N	GAC, TOTAL BLENDED EFFLUENT WELL NOS. 7-1/7-2
Well 7-1	4/13/2023	0.051	N	
Well 7-2	4/13/2023	0.049	N	
Well 8	-	NS	N	OUT OF SERVICE FOR WELL REHABILITATION
Well 9	4/13/2023	0.23	N	
Well 10-1	6/29/2023	<0.02	Y	AOP/GAC
Well 10-2	6/29/2023	<0.02	Y	AOP/GAC
Well 15-1 & 15-2 Blended	5/5/2023	0.24	N	GAC, TOTAL BLENDED EFFLUENT WELL NOS. 15-1/15-2
Well 15-1	5/5/2023	0.22	N	
Well 15-2	5/5/2023	0.25	N	
Well 17	4/17/2023	0.25	N	
Well 18-1	4/11/2023	<0.02	N	
Well 18-2	4/11/2023	0.11	N	
Well 19-1	4/6/2023	0.033	N	
Well 19-2	4/6/2023	0.025	N	
Well 20	4/6/2023	0.14	N	GAC

Notes: Blended wells include:
- Well Nos. 7-1 & 7-2
- Well Nos. 15-1 & 15-2

These blended wells have been sampled for below the MCL for 1,4-dioxane.

ND Non-detect
MCL Maximum Contaminant Level
NS Not Sampled
Bold results exceed MCL
* Results for the 2nd Quarter of 2023 are pending. The results shown are preliminary and do not have an accompanyting lab report. The 2nd Quarter deferral report will be updated and reissued as soon as the sampling results have been processed and received.
TBD Results are not available at the time of publishing this report. Once results are received the report will be revised and reposted.

South Huntington Water District
PWS ID No. NY5103263
Progress, Potential Issues and Water Quality Update

Quarterly Report Date: 7/10/2023 Prepared By: H2M architects+engineers

Milestone Description	Original Date	Revised Date	Completed (Y/N)	Delayed (Y/N)	Notes and Comments
Project No. 1 - Plant No. 10 AOP					
Pilot Test			Y	-	
Engineering Report			Y	-	Submitted to NYSDOH May 14, 2020
Design Complete			Y	-	Submitted to NYSDOH May 14, 2020
Start Construction	8/2020		-	N	Contracts awarded July 2020
Complete Construction	8/2021	10/2022	-	Y	System operational to distribution December 2022
Project No. 2 - Plant No. 3 AOP					
Pilot Test	12/2020	1/2021	Y	N	
Engineering Report	1/2021	3/2021	Y	Y	Submitted to NYSDOH March 3, 2021
Design Complete	4/2021	8/2021	Y	Y	Submitted to NYSDOH September 16, 2021
Start Construction	6/2021	10/2021	N	Y	Contracts awarded October 2021
Complete Construction	6/2022	2/2023	N	Y	Received DOH Completed Works Approval February 2023
Project No. 3 - Plant No. 4 AOP					
Pilot Test	1/2021		-	Y	The District is continuing to monitor the water quality at Well No. 4 before the District determines if wellhead treatment is necessary.
Engineering Report	3/2021		-	-	
Design Complete	7/2021		-	-	
Start Construction	9/2021		-	-	
Complete Construction	10/2022		-	-	
Project No.4 - Plant No. 8 AOP					
Pilot Test	2/2021	6/2021	Y	Y	
Engineering Report	4/2021	12/2021	N	Y	Submitted to NYSDOH February 25, 2022
Design Complete	8/2021	4/2022	N	Y	Formal design progressing at this time, expected completion 7/2022
Start Construction	10/2021	10/2022	N	Y	Interim AOP construction
Complete Construction	11/2022	7/2023	-	-	Interim AOP Startup expected July 2023
Project No. 5 - Plant No. 15 AOP					
Pilot Test	10/2023		-	-	The District is continuing to monitor the water quality at Well No. 15-1 before the District determines if wellhead treatment is necessary.
Engineering Report	12/2023		-	-	An Engineering Report is being prepared for wellhead treatment of 1,4-dioxane at Well No. 15-1

Potential Issues/Concerns/Delays Explanation:

Implementation of Project No. 4 was delayed while the District continued to monitor water quality at Well No. 8 through the 1st and 2nd quarter of 2021. The District has since determined that wellhead treatment for 1,4-dioxane is required at Plant No. 8. As per the above, a pilot test waiver/engineering report has been prepared and approved, and interim AOP treatmnet is under construction. Permanet AOP treatment is under preliminary design. The District is continuing to monitor the water quality at Well No. 4 before the District determines if wellhead treatment is necessary. The District will continue to monitor and will implement the necessary steps for treatment when/if applicable. An extension of the MCL deferral date was requested in June 2022 with a deferral extension being granted that remains in effect until July 31, 2023.

Laboratory Results

Results for the samples and analytes requested

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

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

Sample Information:
Type: Drinking Water
Origin: Effluent
Routine

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern

Lab No. : 70257462003
Client Sample ID.: S-111778 GAC COMB.EFF

Federal ID : 5103263
Collected : 05/24/2023 02:55 PM Point S-111778 GAC
Received : 05/24/2023 03:35 PM Location Well 3-3 GAC Combined Effluent
Collected By CLIENT

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 05/25/2023 12:31

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	<0.020		1	ug/L	1	05/26/2023 6:22 PM	003 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	105%		1	%REC		05/26/2023 6:22 PM	003 AG2R1/2

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

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

Date Reported: 05/30/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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Sample Information:
Type: Drinking Water
Origin: Effluent
Routine

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/11/2023 02:10 PM Point S-12079 VES A+B
Received : 04/11/2023 03:30 PM Location Well 4 Vessel A+B
Collected By CLIENT

Lab No. : 70252434004
Client Sample ID.: S-12079 VESSEL A+B

Sample Comments:
RUN TO WASTE

Analytical Method: EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrate as N	8.1		5	mg/L	10	04/12/2023 12:08	004 BP4U1/1
Nitrate-Nitrite (as N)	8.1		5	mg/L		04/12/2023 12:08	004 BP4U1/1

Analytical Method: EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrite as N	<0.050		1	mg/L	1	04/11/2023 10:22	004 BP4U1/1

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 04/14/2023 11:24

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.96		1	ug/L	1	04/18/2023 6:17 PM	004 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	109%		1	%REC		04/18/2023 6:17 PM	004 AG2R1/2

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3,L1	1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,1-Dichloroethane	1.1		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,2,4-Trichlorobenzene	<0.50	IC	1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	04/19/2023 1:14 AM	004 VG9C1/2

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See qualifiers page for additional qualifier definitions.

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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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Laboratory Results

Results for the samples and analytes requested

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Sample Information:
Type: Drinking Water
Origin: Effluent
Routine

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/12/2023 02:10 PM Point S-13876 VES A+B
Received : 04/12/2023 02:12 PM Location Well #6 Vessel A+B
Collected By CLIENT

Lab No. : 70252614004
Client Sample ID.: S-13876 VESSEL A+B

Sample Comments:
RUN TO WASTE

Analytical Method: EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrate as N	3.3		5	mg/L	10	04/13/2023 12:23	004 BP4U1/1
Nitrate-Nitrite (as N)	3.3		5	mg/L		04/13/2023 12:23	004 BP4U1/1

Analytical Method: EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrite as N	<0.050		1	mg/L	1	04/12/2023 10:46	004 BP4U1/1

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 04/14/2023 11:17

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.29		1	ug/L	1	04/18/2023 10:20	004 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	110%		1	%REC		04/18/2023 10:20	004 AG2R1/2

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3,L1	1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,1-Dichloroethane	0.62		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,2,4-Trichlorobenzene	<0.50	IC	1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	04/18/2023 11:01	004 VG9C1/2

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www.pacelabs.com

Sample Information:
Type: Drinking Water
Origin: Effluent
Routine

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/13/2023 02:10 PM Point S-26248 VES A+B
Received : 04/13/2023 02:55 PM Location Well #7-1 VESSEL A+B
Collected By CLIENT

Lab No. : 70252826004
Client Sample ID.: S-26248 VES A+B

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 04/18/2023 12:26

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.051		1	ug/L	1	04/19/2023 5:33 PM	004 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	106%		1	%REC		04/19/2023 5:33 PM	004 AG2R1/2

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3	1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
Benzene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		04/25/2023 11:21	004 VG9C1/2
Bromoform	<0.50		1	ug/L		04/25/2023 11:21	004 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2
Chloroform	0.80		1	ug/L		04/25/2023 11:21	004 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	04/25/2023 11:21	004 VG9C1/2

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

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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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: Effluent
Routine

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

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/13/2023 02:10 PM Point S-30007 VES C+D
Received : 04/13/2023 02:55 PM Location Well #7-2 VESSEL C+D
Collected By CLIENT

Lab No. : 70252826008
Client Sample ID.: S-30007 VES C+D

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 04/18/2023 12:26

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.049		1	ug/L	1	04/19/2023 6:25 PM	008 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	106%		1	%REC		04/19/2023 6:25 PM	008 AG2R1/2

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3	1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
Benzene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		04/25/2023 11:43	008 VG9C1/2
Bromoform	<0.50		1	ug/L		04/25/2023 11:43	008 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2
Chloroform	<0.50		1	ug/L		04/25/2023 11:43	008 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	04/25/2023 11:43	008 VG9C1/2

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

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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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: Effluent
Routine

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

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/13/2023 02:15 PM Point PLANT 7
Received : 04/13/2023 02:55 PM Location TOTAL BLENDED EFFLUENT
Collected By CLIENT

Lab No. : 70252826009
Client Sample ID.: PLANT 7 TOTAL BLENDED EFFLUENT

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 04/18/2023 12:26

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.046		1	ug/L	1	04/19/2023 6:43 PM	009 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	107%		1	%REC		04/19/2023 6:43 PM	009 AG2R1/2

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

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

Date Reported: 05/04/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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

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

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/13/2023 01:40 PM Point S-22015
Received : 04/13/2023 02:55 PM Location Well #9
Collected By CLIENT

Lab No. : 70252823001
Client Sample ID.: S-22015

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 04/18/2023 12:26

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.22		1	ug/L	1	04/19/2023 4:40 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	109%		1	%REC		04/19/2023 4:40 PM	001 AG2R1/2

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3	1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
Benzene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		04/25/2023 10:59	001 VG9C1/2
Bromoform	<0.50		1	ug/L		04/25/2023 10:59	001 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2
Chloroform	0.74		1	ug/L		04/25/2023 10:59	001 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	04/25/2023 10:59	001 VG9C1/2

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

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

Jennifer Aracri

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Laboratory Results

Results for the samples and analytes requested

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

Sample Information:
Type: Drinking Water
Origin: Effluent
Routine

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/13/2023 01:45 PM Point PLANT 9
Received : 04/13/2023 02:55 PM Location STRIPPER EFF
Collected By CLIENT

Lab No. : 70252823002
Client Sample ID.: PLANT 9 STRIPPER EFF

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 04/18/2023 12:26

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.23		1	ug/L	1	04/19/2023 4:58 PM	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	106%		1	%REC		04/19/2023 4:58 PM	002 AG2R1/2

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3	1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
Benzene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		04/25/2023 10:37	002 VG9C1/2
Bromoform	<0.50		1	ug/L		04/25/2023 10:37	002 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2
Chloroform	<0.50		1	ug/L		04/25/2023 10:37	002 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	04/25/2023 10:37	002 VG9C1/2

Qualifiers:
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ND - Not Detected at or above adjusted reporting limit.
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U - Indicates the compound was analyzed for, but not detected
See qualifiers page for additional qualifier definitions.

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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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: Effluent
Routine

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

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/27/2023 11:30 AM Point S-26247 AOP-1
Received : 04/27/2023 02:13 PM Location Well 10-1 AOP-1 GAC EFF COMBINED
Collected By CLIENT

Lab No. : 70254393005
Client Sample ID.: S-26247 AOP-1 GAC EFF COMBO

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 05/03/2023 9:05 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	<0.020		1	ug/L	1	05/03/2023 4:17 PM	005 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	104%		1	%REC		05/03/2023 4:17 PM	005 AG2R1/2

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

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

Date Reported: 05/12/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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:

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

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/27/2023 11:30 AM Point
Received : 04/27/2023 02:13 PM Location
Collected By CLIENT

Lab No. : 70254393006
Client Sample ID.: S-30008 AOP-2 GAC EFF COMBO

Analytical Method: EPA 522 | Prep Method: EPA 522 | Prep Date: 05/03/2023 9:05 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	<0.020		1	ug/L	1	05/03/2023 4:34 PM	006 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	103%		1	%REC		05/03/2023 4:34 PM	006 AG2R1/2

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

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

Date Reported: 05/12/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Laboratory Results

Results for the samples and analytes requested

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

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

Sample Information:
Type: Drinking Water
Origin: Effluent
Routine

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 05/05/2023 01:40 PM Point S-35007 VES A+B
Received : 05/05/2023 02:10 PM Location Well 15-1 VESSEL A+B
Collected By CLIENT

Lab No. : 70255434004
Client Sample ID.: S-35007 VESSEL A+B

Sample Comments:
RUN TO WASTE

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 05/10/2023 12:17

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.22		1	ug/L	1	05/12/2023 1:45 AM	004 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	106%		1	%REC		05/12/2023 1:45 AM	004 AG2R1/2

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3,L1	1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,1-Dichloroethane	0.62		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
Benzene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		05/11/2023 4:20 PM	004 VG9C1/2
Bromoform	<0.50		1	ug/L		05/11/2023 4:20 PM	004 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	05/11/2023 4:20 PM	004 VG9C1/2

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

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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Laboratory Results

Results for the samples and analytes requested

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

Sample Information:
Type: Drinking Water
Origin: Effluent
Routine

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 05/05/2023 01:40 PM Point S-77126 VESSEL
Received : 05/05/2023 02:10 PM Location WELL 15-2 VESSEL A+B
Collected By CLIENT

Lab No. : 70255435004
Client Sample ID.: S-77126 VESSEL A+B

Sample Comments:
RUN TO WASTE

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 05/12/2023 11:28

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.25		1	ug/L	1	05/14/2023 11:08	004 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	100%		1	%REC		05/14/2023 11:08	004 AG2R1/2

Analytical Method:EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3,L1	1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,1-Dichloroethane	0.56		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
Benzene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		05/11/2023 5:13 PM	004 VG9C1/2
Bromoform	<0.50		1	ug/L		05/11/2023 5:13 PM	004 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	05/11/2023 5:13 PM	004 VG9C1/2

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

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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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:

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

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 05/05/2023 01:45 PM Point
Received : 05/05/2023 02:10 PM Location
Collected By CLIENT
Sample Comments:
RUN TO WASTE

Lab No. : 70255435005
Client Sample ID.: PLANT 15 TOTAL BLENDED EFF

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 05/12/2023 11:28

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.24		1	ug/L	1	05/14/2023 11:25	005 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	103%		1	%REC		05/14/2023 11:25	005 AG2R1/2

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

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

Date Reported: 05/23/2023

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/17/2023 01:20 PM Point S-78124
Received : 04/17/2023 02:38 PM Location Well #17
Collected By CLIENT

Lab No. : 70253089001
Client Sample ID.: S-78124

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 04/21/2023 10:41

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.25		1	ug/L	1	04/21/2023 4:48 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	110%		1	%REC		04/21/2023 4:48 PM	001 AG2R1/2

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3,L1	1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
Benzene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
Bromodichloromethane	1.1		1	ug/L		04/26/2023 5:34 PM	001 VG9C1/2
Bromoform	<0.50		1	ug/L		04/26/2023 5:34 PM	001 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2
Chloroform	0.87		1	ug/L		04/26/2023 5:34 PM	001 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	04/26/2023 5:34 PM	001 VG9C1/2

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

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

Jennifer Aracri

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Laboratory Results

Results for the samples and analytes requested

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

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

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/11/2023 02:30 PM Point S-96380
Received : 04/11/2023 03:30 PM Location Well #18-1
Collected By CLIENT

Lab No. : 70252432001
Client Sample ID.: S-96380

Sample Comments:
RUN TO WASTE

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 04/14/2023 11:24

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	<0.020		1	ug/L	1	04/18/2023 5:24 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	111%		1	%REC		04/18/2023 5:24 PM	001 AG2R1/2

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3,L1	1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,2,4-Trichlorobenzene	<0.50	IC	1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
Benzene	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
Bromodichloromethane	0.50		1	ug/L		04/18/2023 11:54	001 VG9C1/2
Bromoform	<0.50		1	ug/L		04/18/2023 11:54	001 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	04/18/2023 11:54	001 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	04/18/2023 11:54	001 VG9C1/2

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

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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Laboratory Results

Results for the samples and analytes requested

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

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

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/11/2023 02:45 PM Point S-117761
Received : 04/11/2023 03:30 PM Location Well #18-2
Collected By CLIENT

Lab No. : 70252432002
Client Sample ID.: S-117761

Sample Comments:
RUN TO WASTE

Analytical Method: EPA 200.7

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Iron	0.028		1	mg/L	0.3	04/14/2023 11:51	002 BP4N1/1

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 04/14/2023 11:24

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.11		1	ug/L	1	04/18/2023 5:42 PM	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	111%		1	%REC		04/18/2023 5:42 PM	002 AG2R1/2

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3,L1	1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,2,4-Trichlorobenzene	<0.50	IC	1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
Benzene	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		04/19/2023 12:21	002 VG9C1/2
Bromoform	<0.50		1	ug/L		04/19/2023 12:21	002 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	04/19/2023 12:21	002 VG9C1/2

Qualifiers:
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
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See qualifiers page for additional qualifier definitions.

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

Jennifer Aracri

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Laboratory Results

Results for the samples and analytes requested

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

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

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/06/2023 01:00 PM Point S-118369
Received : 04/06/2023 02:30 PM Location Well #19-1
Collected By CLIENT

Lab No. : 70252029001
Client Sample ID.: S-118369

Sample Comments:
Samples were received on the same day of collection on ice and are above 6 degrees Celcius. Samples were placed on ice by the lab and the cooling process has begun.

Analytical Method:EPA 522 Prep Method: EPA 522 Prep Date: 04/08/2023 8:43 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.033		1	ug/L	1	04/09/2023 1:31 AM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	92%		1	%REC		04/09/2023 1:31 AM	001 AG2R1/2

Analytical Method:EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3	1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
Benzene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		04/12/2023 3:42 PM	001 VG9C1/2
Bromoform	<0.50		1	ug/L		04/12/2023 3:42 PM	001 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2
Chlorodifluoromethane	<0.50	N3,L1	1	ug/L	5	04/12/2023 3:42 PM	001 VG9C1/2

Qualifiers:
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J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.Estimated value - below calibration range
U - Indicates the compound was analyzed for, but not detected
See qualifiers page for additional qualifier definitions.

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

Jennifer Aracri

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Laboratory Results

Results for the samples and analytes requested

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

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

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/06/2023 01:30 PM Point S-122932
Received : 04/06/2023 02:30 PM Location Well #19-2
Collected By CLIENT

Lab No. : 70252029002
Client Sample ID.: S-122932

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 04/08/2023 8:43 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.025		1	ug/L	1	04/09/2023 1:47 AM	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	96%		1	%REC		04/09/2023 1:47 AM	002 AG2R1/2

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3	1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
Benzene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
Bromodichloromethane	1.4		1	ug/L		04/12/2023 4:04 PM	002 VG9C1/2
Bromoform	<0.50		1	ug/L		04/12/2023 4:04 PM	002 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
Chlorodifluoromethane	<0.50	N3,L1	1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2
Chloroform	2.2		1	ug/L		04/12/2023 4:04 PM	002 VG9C1/2
Chloromethane	<0.50	L1	1	ug/L	5	04/12/2023 4:04 PM	002 VG9C1/2

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

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

Jennifer Aracri

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Laboratory Results

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

Sample Information:
Type: Drinking Water
Origin: Effluent
Routine

S. Huntington Water District
P.O. BOX 370
Huntington Station, NY 11746
Attn To : Mike McGovern
Federal ID : 5103263
Collected : 04/06/2023 02:15 PM Point S-123688 VES
Received : 04/06/2023 02:30 PM Location Well #20 Vessel A+B
Collected By CLIENT

Lab No. : 70252023004
Client Sample ID.: S-123688 VESSEL A+B

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 04/08/2023 8:43 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.14		1	ug/L	1	04/09/2023 1:15 AM	004 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	95%		1	%REC		04/09/2023 1:15 AM	004 AG2R1/2

Analytical Method: EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3,L1	1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,2,4-Trichlorobenzene	<0.50	IC	1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
Benzene	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		04/13/2023 2:32 PM	004 VG9C1/2
Bromoform	<0.50		1	ug/L		04/13/2023 2:32 PM	004 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
Chlorodifluoromethane	<0.50	N3	1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2
Chloroform	<0.50		1	ug/L		04/13/2023 2:32 PM	004 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	04/13/2023 2:32 PM	004 VG9C1/2

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

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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.