



August 14, 2023

Robert G. Gregory
KOMAN Government Services, LLC
180 Gordon Dr.
Suite 110
Exton, PA 19341

RE: Project: NYAW-MERRICK 8/4
Pace Project No.: 70265741

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on August 04, 2023. 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

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

Sincerely,

Kimberley M. Mack
kimberley.mack@pacelabs.com
516-370-6052
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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SAMPLE SUMMARY

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70265741001	GAC-3S/4S (SEAMAN NECK GAC EFF)	Drinking Water	08/04/23 07:45	08/04/23 11:55
70265741002	GAC-3S/4S (SEAMAN NK GC EFF)-D	Drinking Water	08/04/23 07:55	08/04/23 11:55
70265741003	N-14347 (INFLUENT)	Drinking Water	08/04/23 09:15	08/04/23 11:55
70265741004	N-09338 (INFLUENT)	Drinking Water	08/04/23 09:00	08/04/23 11:55
70265741005	GAC-3S/4S INF	Drinking Water	08/04/23 08:10	08/04/23 11:55
70265741006	GAC-3S/4S EFF	Drinking Water	08/04/23 08:15	08/04/23 11:55

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SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70265741001	GAC-3S/4S (SEAMAN NECK GAC EFF	EPA 522	SPM	2
		EPA 524.2	KGG	62
70265741002	GAC-3S/4S (SEAMAN NK GC EFF)-D	EPA 524.2	KGG	62
70265741003	N-14347 (INFLUENT)	EPA 522	SPM	2
		EPA 524.2	KGG	62
70265741004	N-09338 (INFLUENT)	EPA 522	SPM	2
		EPA 524.2	KGG	62
70265741005	GAC-3S/4S INF	EPA 200.7	JWT	1
70265741006	GAC-3S/4S EFF	EPA 200.7	JWT	1

PACE-MV = Pace Analytical Services - Melville

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ANALYTICAL RESULTS

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF) Lab ID: 70265741001 Collected: 08/04/23 07:45 Received: 08/04/23 11:55 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)	2.5	ug/L	0.020		1	08/08/23 13:42	08/09/23 17:31	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	118	%	70-130		1	08/08/23 13:42	08/09/23 17:31		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50	5	1		08/11/23 18:26	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		08/11/23 18:26	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		08/11/23 18:26	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		08/11/23 18:26	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		08/11/23 18:26	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		08/11/23 18:26	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		08/11/23 18:26	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		08/11/23 18:26	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		08/11/23 18:26	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		08/11/23 18:26	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		08/11/23 18:26	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		08/11/23 18:26	75-45-6	L2,N3
Chloroethane	<0.50	ug/L	0.50		1		08/11/23 18:26	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		08/11/23 18:26	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		08/11/23 18:26	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		08/11/23 18:26	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		08/11/23 18:26	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		08/11/23 18:26	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		08/11/23 18:26	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		08/11/23 18:26	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		08/11/23 18:26	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		08/11/23 18:26	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		08/11/23 18:26	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		08/11/23 18:26	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		08/11/23 18:26	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		08/11/23 18:26	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		08/11/23 18:26	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		08/11/23 18:26	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		08/11/23 18:26	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		08/11/23 18:26	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		08/11/23 18:26	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		08/11/23 18:26	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		08/11/23 18:26	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		08/11/23 18:26	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		08/11/23 18:26	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		08/11/23 18:26	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		08/11/23 18:26	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		08/11/23 18:26	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF) **Lab ID:** 70265741001 Collected: 08/04/23 07:45 Received: 08/04/23 11:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50	5	1		08/11/23 18:26	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		08/11/23 18:26	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		08/11/23 18:26	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		08/11/23 18:26	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		08/11/23 18:26	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		08/11/23 18:26	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		08/11/23 18:26	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		08/11/23 18:26	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		08/11/23 18:26		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		08/11/23 18:26	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		08/11/23 18:26	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		08/11/23 18:26	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		08/11/23 18:26	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		08/11/23 18:26	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		08/11/23 18:26	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		08/11/23 18:26	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		08/11/23 18:26	76-13-1	L2,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		08/11/23 18:26	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		08/11/23 18:26	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		08/11/23 18:26	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		08/11/23 18:26	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		08/11/23 18:26	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	77	%	70-130		1		08/11/23 18:26	2199-69-1	
4-Bromofluorobenzene (S)	85	%	70-130		1		08/11/23 18:26	460-00-4	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Sample: GAC-3S/4S (SEAMAN NK GC EFF)-D Lab ID: 70265741002 Collected: 08/04/23 07:55 Received: 08/04/23 11:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50	5	1		08/11/23 18:52	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		08/11/23 18:52	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		08/11/23 18:52	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		08/11/23 18:52	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		08/11/23 18:52	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		08/11/23 18:52	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		08/11/23 18:52	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		08/11/23 18:52	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		08/11/23 18:52	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		08/11/23 18:52	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		08/11/23 18:52	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		08/11/23 18:52	75-45-6	L2,N3
Chloroethane	<0.50	ug/L	0.50		1		08/11/23 18:52	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		08/11/23 18:52	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		08/11/23 18:52	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		08/11/23 18:52	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		08/11/23 18:52	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		08/11/23 18:52	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		08/11/23 18:52	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		08/11/23 18:52	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		08/11/23 18:52	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		08/11/23 18:52	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		08/11/23 18:52	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		08/11/23 18:52	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		08/11/23 18:52	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		08/11/23 18:52	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		08/11/23 18:52	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		08/11/23 18:52	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		08/11/23 18:52	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		08/11/23 18:52	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		08/11/23 18:52	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		08/11/23 18:52	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		08/11/23 18:52	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		08/11/23 18:52	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		08/11/23 18:52	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		08/11/23 18:52	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		08/11/23 18:52	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		08/11/23 18:52	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50	5	1		08/11/23 18:52	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		08/11/23 18:52	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		08/11/23 18:52	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		08/11/23 18:52	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		08/11/23 18:52	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		08/11/23 18:52	79-34-5	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Sample: GAC-3S/4S (SEAMAN NK GC EFF)-D **Lab ID: 70265741002** Collected: 08/04/23 07:55 Received: 08/04/23 11:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Tetrachloroethene	<0.50	ug/L	0.50	5	1		08/11/23 18:52	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		08/11/23 18:52	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		08/11/23 18:52		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		08/11/23 18:52	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		08/11/23 18:52	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		08/11/23 18:52	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		08/11/23 18:52	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		08/11/23 18:52	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		08/11/23 18:52	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		08/11/23 18:52	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		08/11/23 18:52	76-13-1	L2,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		08/11/23 18:52	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		08/11/23 18:52	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		08/11/23 18:52	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		08/11/23 18:52	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		08/11/23 18:52	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	76	%	70-130		1		08/11/23 18:52	2199-69-1	
4-Bromofluorobenzene (S)	89	%	70-130		1		08/11/23 18:52	460-00-4	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Sample: N-14347 (INFLUENT) Lab ID: 70265741003 Collected: 08/04/23 09:15 Received: 08/04/23 11:55 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)	2.7	ug/L	0.020		1	08/08/23 13:42	08/09/23 17:48	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	112	%	70-130		1	08/08/23 13:42	08/09/23 17:48		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		08/11/23 19:18	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		08/11/23 19:18	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		08/11/23 19:18	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		08/11/23 19:18	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		08/11/23 19:18	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		08/11/23 19:18	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		08/11/23 19:18	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		08/11/23 19:18	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		08/11/23 19:18	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5		08/11/23 19:18	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		08/11/23 19:18	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		08/11/23 19:18	75-45-6	L2,N3
Chloroethane	<0.50	ug/L	0.50		1		08/11/23 19:18	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		08/11/23 19:18	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		08/11/23 19:18	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		08/11/23 19:18	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		08/11/23 19:18	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		08/11/23 19:18	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		08/11/23 19:18	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		08/11/23 19:18	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		08/11/23 19:18	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		08/11/23 19:18	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		08/11/23 19:18	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		08/11/23 19:18	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		08/11/23 19:18	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		08/11/23 19:18	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		08/11/23 19:18	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		08/11/23 19:18	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		08/11/23 19:18	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		08/11/23 19:18	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		08/11/23 19:18	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		08/11/23 19:18	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		08/11/23 19:18	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		08/11/23 19:18	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		08/11/23 19:18	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		08/11/23 19:18	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		08/11/23 19:18	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		08/11/23 19:18	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50	5	1		08/11/23 19:18	75-09-2	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Sample: N-14347 (INFLUENT) Lab ID: 70265741003 Collected: 08/04/23 09:15 Received: 08/04/23 11:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		08/11/23 19:18	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		08/11/23 19:18	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		08/11/23 19:18	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		08/11/23 19:18	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		08/11/23 19:18	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		08/11/23 19:18	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		08/11/23 19:18	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		08/11/23 19:18		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		08/11/23 19:18	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		08/11/23 19:18	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		08/11/23 19:18	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		08/11/23 19:18	79-00-5	
Trichloroethene	10.6	ug/L	0.50	5	1		08/11/23 19:18	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		08/11/23 19:18	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		08/11/23 19:18	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		08/11/23 19:18	76-13-1	L2,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		08/11/23 19:18	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		08/11/23 19:18	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		08/11/23 19:18	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		08/11/23 19:18	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		08/11/23 19:18	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	76	%	70-130		1		08/11/23 19:18	2199-69-1	
4-Bromofluorobenzene (S)	85	%	70-130		1		08/11/23 19:18	460-00-4	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Sample: N-09338 (INFLUENT)	Lab ID: 70265741004	Collected: 08/04/23 09:00	Received: 08/04/23 11:55	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)	2.1	ug/L	0.020		1	08/08/23 13:42	08/09/23 18:03	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	111	%	70-130		1	08/08/23 13:42	08/09/23 18:03		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		08/11/23 19:45	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		08/11/23 19:45	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		08/11/23 19:45	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		08/11/23 19:45	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		08/11/23 19:45	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		08/11/23 19:45	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		08/11/23 19:45	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		08/11/23 19:45	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		08/11/23 19:45	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5		08/11/23 19:45	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		08/11/23 19:45	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		08/11/23 19:45	75-45-6	L2,N3
Chloroethane	<0.50	ug/L	0.50		1		08/11/23 19:45	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		08/11/23 19:45	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		08/11/23 19:45	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		08/11/23 19:45	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		08/11/23 19:45	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		08/11/23 19:45	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		08/11/23 19:45	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		08/11/23 19:45	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		08/11/23 19:45	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		08/11/23 19:45	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		08/11/23 19:45	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		08/11/23 19:45	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		5		08/11/23 19:45	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50		7		08/11/23 19:45	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		08/11/23 19:45	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		08/11/23 19:45	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		5		08/11/23 19:45	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		08/11/23 19:45	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		08/11/23 19:45	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		08/11/23 19:45	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		08/11/23 19:45	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		08/11/23 19:45	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		08/11/23 19:45	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		08/11/23 19:45	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		08/11/23 19:45	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		08/11/23 19:45	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50		5		08/11/23 19:45	75-09-2	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Sample: **N-09338 (INFLUENT)** Lab ID: **70265741004** Collected: 08/04/23 09:00 Received: 08/04/23 11:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		08/11/23 19:45	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		08/11/23 19:45	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		08/11/23 19:45	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		08/11/23 19:45	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		08/11/23 19:45	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		5	1	08/11/23 19:45	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		08/11/23 19:45	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50		80	1	08/11/23 19:45		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		08/11/23 19:45	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		08/11/23 19:45	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		08/11/23 19:45	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		08/11/23 19:45	79-00-5	
Trichloroethene	1.7	ug/L	0.50		5	1	08/11/23 19:45	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		08/11/23 19:45	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		08/11/23 19:45	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		08/11/23 19:45	76-13-1	L2,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		08/11/23 19:45	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		08/11/23 19:45	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		2	1	08/11/23 19:45	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		08/11/23 19:45	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		08/11/23 19:45	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	79	%	70-130		1		08/11/23 19:45	2199-69-1	
4-Bromofluorobenzene (S)	86	%	70-130		1		08/11/23 19:45	460-00-4	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Sample: GAC-3S/4S INF Lab ID: 70265741005 Collected: 08/04/23 08:10 Received: 08/04/23 11:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Melville									
Iron	0.023	mg/L	0.020		1	08/08/23 10:11	08/08/23 23:23	7439-89-6	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Sample: GAC-3S/4S EFF Lab ID: 70265741006 Collected: 08/04/23 08:15 Received: 08/04/23 11:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Melville									
Iron	<0.020	mg/L	0.020		1	08/08/23 10:11	08/08/23 23:26	7439-89-6	

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QUALITY CONTROL DATA

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

QC Batch: 315427

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 MET Drinking Water

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70265741005, 70265741006

METHOD BLANK: 1604877

Matrix: Drinking Water

Associated Lab Samples: 70265741005, 70265741006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	mg/L	<0.020	0.020	08/08/23 22:51	

LABORATORY CONTROL SAMPLE: 1604878

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	12.5	12.1	97	85-115	

MATRIX SPIKE SAMPLE: 1604880

Parameter	Units	70265571001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	3.1	5	7.8	94	70-130	

SAMPLE DUPLICATE: 1604879

Parameter	Units	70265571001 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron	mg/L	3.1	2.7	13	20	

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QUALITY CONTROL DATA

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

QC Batch: 316011

Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2

Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70265741001, 70265741002, 70265741003, 70265741004

METHOD BLANK: 1608511

Matrix: Water

Associated Lab Samples: 70265741001, 70265741002, 70265741003, 70265741004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	08/11/23 11:34	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	08/11/23 11:34	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	08/11/23 11:34	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	08/11/23 11:34	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	08/11/23 11:34	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	08/11/23 11:34	
1,1-Dichloroethene	ug/L	<0.50	0.50	08/11/23 11:34	
1,1-Dichloropropene	ug/L	<0.50	0.50	08/11/23 11:34	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	08/11/23 11:34	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	08/11/23 11:34	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	08/11/23 11:34	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	08/11/23 11:34	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	08/11/23 11:34	
1,2-Dichloroethane	ug/L	<0.50	0.50	08/11/23 11:34	
1,2-Dichloropropane	ug/L	<0.50	0.50	08/11/23 11:34	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	08/11/23 11:34	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	08/11/23 11:34	
1,3-Dichloropropane	ug/L	<0.50	0.50	08/11/23 11:34	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	08/11/23 11:34	
2,2-Dichloropropane	ug/L	<0.50	0.50	08/11/23 11:34	
2-Chlorotoluene	ug/L	<0.50	0.50	08/11/23 11:34	
4-Chlorotoluene	ug/L	<0.50	0.50	08/11/23 11:34	
Benzene	ug/L	<0.50	0.50	08/11/23 11:34	
Bromobenzene	ug/L	<0.50	0.50	08/11/23 11:34	
Bromochloromethane	ug/L	<0.50	0.50	08/11/23 11:34	
Bromodichloromethane	ug/L	<0.50	0.50	08/11/23 11:34	
Bromoform	ug/L	<0.50	0.50	08/11/23 11:34	
Bromomethane	ug/L	<0.50	0.50	08/11/23 11:34	
Carbon tetrachloride	ug/L	<0.50	0.50	08/11/23 11:34	
Chlorobenzene	ug/L	<0.50	0.50	08/11/23 11:34	
Chlorodifluoromethane	ug/L	<0.50	0.50	08/11/23 11:34	N3
Chloroethane	ug/L	<0.50	0.50	08/11/23 11:34	
Chloroform	ug/L	<0.50	0.50	08/11/23 11:34	
Chloromethane	ug/L	<0.50	0.50	08/11/23 11:34	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	08/11/23 11:34	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	08/11/23 11:34	
Dibromochloromethane	ug/L	<0.50	0.50	08/11/23 11:34	
Dibromomethane	ug/L	<0.50	0.50	08/11/23 11:34	
Dichlorodifluoromethane	ug/L	<0.50	0.50	08/11/23 11:34	
Ethylbenzene	ug/L	<0.50	0.50	08/11/23 11:34	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

METHOD BLANK: 1608511

Matrix: Water

Associated Lab Samples: 70265741001, 70265741002, 70265741003, 70265741004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	08/11/23 11:34	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	08/11/23 11:34	
m&p-Xylene	ug/L	<0.50	0.50	08/11/23 11:34	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	08/11/23 11:34	
Methylene Chloride	ug/L	<0.50	0.50	08/11/23 11:34	
n-Butylbenzene	ug/L	<0.50	0.50	08/11/23 11:34	
n-Propylbenzene	ug/L	<0.50	0.50	08/11/23 11:34	
o-Xylene	ug/L	<0.50	0.50	08/11/23 11:34	
p-Isopropyltoluene	ug/L	<0.50	0.50	08/11/23 11:34	
sec-Butylbenzene	ug/L	<0.50	0.50	08/11/23 11:34	
Styrene	ug/L	<0.50	0.50	08/11/23 11:34	
tert-Butylbenzene	ug/L	<0.50	0.50	08/11/23 11:34	
Tetrachloroethene	ug/L	<0.50	0.50	08/11/23 11:34	
Toluene	ug/L	<0.50	0.50	08/11/23 11:34	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	08/11/23 11:34	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	08/11/23 11:34	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	08/11/23 11:34	
Trichloroethene	ug/L	<0.50	0.50	08/11/23 11:34	
Trichlorofluoromethane	ug/L	<0.50	0.50	08/11/23 11:34	
Vinyl chloride	ug/L	<0.50	0.50	08/11/23 11:34	
1,2-Dichlorobenzene-d4 (S)	%	83	70-130	08/11/23 11:34	
4-Bromofluorobenzene (S)	%	88	70-130	08/11/23 11:34	

LABORATORY CONTROL SAMPLE: 1608512

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	8.4	84	70-130	
1,1,1-Trichloroethane	ug/L	10	10.4	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	11.2	112	70-130	
1,1,2-Trichloroethane	ug/L	10	10.1	101	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	1.8	18	70-130	L2,N3
1,1-Dichloroethane	ug/L	10	9.6	96	70-130	
1,1-Dichloroethene	ug/L	10	8.9	89	70-130	
1,1-Dichloropropene	ug/L	10	10.2	102	70-130	
1,2,3-Trichlorobenzene	ug/L	10	10.0	100	70-130	
1,2,3-Trichloropropane	ug/L	10	9.4	94	70-130	
1,2,4-Trichlorobenzene	ug/L	10	9.3	93	70-130	
1,2,4-Trimethylbenzene	ug/L	10	10.4	104	70-130	
1,2-Dichlorobenzene	ug/L	10	9.1	91	70-130	
1,2-Dichloroethane	ug/L	10	11.0	110	70-130	
1,2-Dichloropropane	ug/L	10	9.4	94	70-130	
1,3,5-Trimethylbenzene	ug/L	10	10.1	101	70-130	
1,3-Dichlorobenzene	ug/L	10	8.8	88	70-130	
1,3-Dichloropropane	ug/L	10	10.7	107	70-130	

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QUALITY CONTROL DATA

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

LABORATORY CONTROL SAMPLE: 1608512

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	9.2	92	70-130	
2,2-Dichloropropane	ug/L	10	10.4	104	70-130	
2-Chlorotoluene	ug/L	10	10.2	102	70-130	
4-Chlorotoluene	ug/L	10	10.4	104	70-130	
Benzene	ug/L	10	9.9	99	70-130	
Bromobenzene	ug/L	10	8.9	89	70-130	
Bromochloromethane	ug/L	10	8.7	87	70-130	
Bromodichloromethane	ug/L	10	9.6	96	70-130	
Bromoform	ug/L	10	7.9	79	70-130	
Bromomethane	ug/L	10	10.7	107	70-130	
Carbon tetrachloride	ug/L	10	8.0	80	70-130	
Chlorobenzene	ug/L	10	10.1	101	70-130	
Chlorodifluoromethane	ug/L	10	2.2	22	70-130	L2,N3
Chloroethane	ug/L	10	8.3	83	70-130	
Chloroform	ug/L	10	10.5	105	70-130	
Chloromethane	ug/L	10	10.6	106	70-130	
cis-1,2-Dichloroethene	ug/L	10	10.2	102	70-130	
cis-1,3-Dichloropropene	ug/L	10	9.6	96	70-130	
Dibromochloromethane	ug/L	10	7.5	75	70-130	
Dibromomethane	ug/L	10	9.9	99	70-130	
Dichlorodifluoromethane	ug/L	10	9.0	90	70-130	
Ethylbenzene	ug/L	10	10.0	100	70-130	
Hexachloro-1,3-butadiene	ug/L	10	9.2	92	70-130	
Isopropylbenzene (Cumene)	ug/L	10	9.3	93	70-130	
m&p-Xylene	ug/L	20	19.4	97	70-130	
Methyl-tert-butyl ether	ug/L	10	8.7	87	70-130	
Methylene Chloride	ug/L	10	10.4	104	70-130	
n-Butylbenzene	ug/L	10	10.3	103	70-130	
n-Propylbenzene	ug/L	10	9.8	98	70-130	
o-Xylene	ug/L	10	10.2	102	70-130	
p-Isopropyltoluene	ug/L	10	8.6	86	70-130	
sec-Butylbenzene	ug/L	10	9.4	94	70-130	
Styrene	ug/L	10	9.7	97	70-130	
tert-Butylbenzene	ug/L	10	8.4	84	70-130	
Tetrachloroethene	ug/L	10	9.7	97	70-130	
Toluene	ug/L	10	10.0	100	70-130	
Total Trihalomethanes (Calc.)	ug/L		35.5			
trans-1,2-Dichloroethene	ug/L	10	10.6	106	70-130	
trans-1,3-Dichloropropene	ug/L	10	9.8	98	70-130	
Trichloroethene	ug/L	10	8.9	89	70-130	
Trichlorofluoromethane	ug/L	10	10.9	109	70-130	
Vinyl chloride	ug/L	10	8.9	89	70-130	
1,2-Dichlorobenzene-d4 (S)	%			89	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

QC Batch:	315448	Analysis Method:	EPA 522
QC Batch Method:	EPA 522	Analysis Description:	522 MSS 1,4 Dioxane
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70265741001, 70265741003, 70265741004

METHOD BLANK: 1605092 Matrix: Drinking Water

Associated Lab Samples: 70265741001, 70265741003, 70265741004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	08/09/23 14:17	
1,4-Dioxane-d8 (S)	%	115	70-130	08/09/23 14:17	

LABORATORY CONTROL SAMPLE: 1605093

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	4	4.7	119	70-130	E
1,4-Dioxane-d8 (S)	%			120	70-130	

MATRIX SPIKE SAMPLE: 1605094

Parameter	Units	70265220001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	5.5	4	9.9	111	70-130	
1,4-Dioxane-d8 (S)	%				103	70-130	

SAMPLE DUPLICATE: 1605095

Parameter	Units	70265168001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1.2	1.3	1	30	
1,4-Dioxane-d8 (S)	%	113	114		30	

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QUALIFIERS

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

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.

ANALYTE QUALIFIERS

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

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

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK 8/4

Pace Project No.: 70265741

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70265741005	GAC-3S/4S INF	EPA 200.7	315427	EPA 200.7	315497
70265741006	GAC-3S/4S EFF	EPA 200.7	315427	EPA 200.7	315497
70265741001	GAC-3S/4S (SEAMAN NECK GAC EFF	EPA 522	315448	EPA 522	315515
70265741003	N-14347 (INFLUENT)	EPA 522	315448	EPA 522	315515
70265741004	N-09338 (INFLUENT)	EPA 522	315448	EPA 522	315515
70265741001	GAC-3S/4S (SEAMAN NECK GAC EFF	EPA 524.2	316011		
70265741002	GAC-3S/4S (SEAMAN NK GC EFF)-D	EPA 524.2	316011		
70265741003	N-14347 (INFLUENT)	EPA 524.2	316011		
70265741004	N-09338 (INFLUENT)	EPA 524.2	316011		

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WO#: 70265741
 PM: KMM Due Date: 08/11/23
 CLIENT: KGS

Client Name: KGS Project # _____
 Courier: Fed Ex UPS USPS Client Commercial Pace Other
 Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No Temperature Blank Present: Yes No
 Packing Material: Bubble Wrap Bubble Bags Ziploc None Other Type of Ice: Wet Blue None
 Thermometer Used: STH196 Correction Factor: -0.4 Samples on ice, cooling process has begun
 Cooler Temperature (°C): 3.9 Cooler Temperature Corrected (°C): 3.5 Date/Time 5035A kits placed in freezer _____
 Temp should be above freezing to 6.0°C

USDA Regulated Soil N/A, water sample)
 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 (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: AS 8/5/23

	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 MS/MSD) <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	10.
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 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. There is a 5 mins time difference between what
-Includes date/time/ID/Analysis Matrix: <input checked="" type="checkbox"/> SL <input type="checkbox"/> WT <input type="checkbox"/> OIL <input type="checkbox"/> OTHER	

Date and Initials of person checking preservation: AS

All containers needing preservation have been <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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 # <u>HC208072</u>	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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 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.
KI starch test strips Lot #	Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #	15. Positive for Sulfide? Y N
SM 4500 CN samples checked for sul <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Lead Acetate Strips Lot #	17.
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution: _____ Field Data Required? Y / N
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: is written on the COC and the vial label for sample 70265741-003. There is a 30 mins difference between the info on the COC and vial label for sample 70265741-003.

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