



3 February 2023

Mr. Scott Sokolowski  
Remedial Project Manager  
Naval Facilities Engineering Command, Mid Atlantic  
9324 Virginia Avenue, Building N-26  
Norfolk, VA 23511-3095

**Subject: January 2023 Sampling Report  
Full Scale Liquid-Phase Granular Activated Carbon Treatment System  
Liberty New York Water, Seamans Neck Road Water Plant  
NWIRP Bethpage, New York  
Contract No. N40085-16-D-2288, Task Order 5125**

Dear Mr. Sokolowski,

The Full Scale Liquid-Phase Granulated Activated Carbon (GAC) Treatment System is located at the Liberty New York Water (LNYW), formerly New York American Water (NYAW), Seamans Neck Road water treatment plant in Levittown, NY. The GAC System was installed at the effluent of the potable water treatment plant and consists of six GAC vessels operating in parallel to remove low levels of trichloroethene (TCE) from Well No. 3A and Well No. 4S. After GAC treatment, the water receives chemical injection of sodium hypochlorite and sodium tripolyphosphate before going to distribution. Startup of the Full Scale GAC Treatment System occurred on 8 January 2015 under CH2MHill. KOMAN Government Solutions, LLC (KGS) began routine operation and maintenance (O&M) activities in March 2015.

The purpose of this report is to document the sampling activities performed at the GAC Treatment System in January 2023 and present the associated analytical results.

### **Sampling Requirements**

Nassau County Department of Health (NCDH) and the approved Sampling Plan outline the following sampling requirements at the Full Scale GAC System:

- **Monthly Sampling:** Principal Organic Contaminants (POC) sampling will be performed once a month at the effluent from the GAC treatment system – one sample location, plus associated quality assurance / quality control (QA/QC) samples. POCs will be analyzed via EPA Method 542.2.
- **Quarterly Sampling:** POC sampling will be performed at the influent to the GAC treatment system on a quarterly basis at Well No. 3A and Well No. 4S raw water – two sample locations. The monthly POC sample collected at the effluent of the GAC Treatment System (described above) will also serve as the quarterly POC GAC effluent sample. Associated QA/QC samples will also be collected. In addition, microbiological (MIC) samples will be collected on a quarterly basis. Samples will be collected from the

system influent (Well No. 3A and Well No. 4S raw water) and from the effluent of each GAC vessel over a timed sequence. The sampling occurs after the wells and vessels are shut-down for a minimum of 12 hours. Samples will be analyzed via the Colilert method to determine if any *E. Coli* or Total Coliform bacteria are present.

- Annual Sampling: Annual sampling will be performed for Physical and Inorganic Constituents (IOCs) at the system influent (Well No. 3A and Well No. 4S raw water) and effluent – three sampling locations, plus associated QA/QC samples. IOCs include a specified list of metals analyzed via EPA Method 200.7.

## **January 2023 Sampling Summary**

### **Monthly POC Sampling**

On 5 January monthly POC samples were collected from the GAC system influent from Well No. 3A and Well No. 4S and the system effluent; a field duplicate and matrix spike / matrix spike duplicate (MS/MSD) from the system effluent were also collected. On 25 January 2023, in advance of the shut-down of the plant on 30 January 2023 for upgrading of the iron filtration plant, an additional set of POC samples were collected. **Attachment 1** provides the analytical data report for POC samples collected in January 2023. **Table 1**, below, presents the trichloroethene (TCE) analytical results. TCE was not detected in the GAC effluent or GAC effluent duplicate samples. Results for TCE are in compliance with NCDH requirements.

**Table 1 - TCE Analytical Results<sup>(1)</sup> – January 2023**

<b>Date</b>	<b>Well 3A Raw</b> [N-14347 (Seaman Neck 3A Well)]	<b>Well 4S Raw</b> [N-09338 (Seaman Neck 4S Well)]	<b>Effluent from GAC System</b> [GAC-3S/4S (Seaman Neck GAC Effluent)]	<b>Effluent from GAC System (Duplicate)</b> [GAC-3S/4S (Seaman Neck GAC Effluent)-D]
01/05/2023	27.7	4.0	ND	ND
01/25/2023	37.1	4.5	ND	ND

Notes:

(1) All concentrations reported in ug/L (ppb).

ND – Not Detected above the reporting limit (0.50 ug/L)

### **Quarterly Microbiological (MIC) Sampling – 2023 Q1**

In advance of the shut-down of the plant on 30 January 2023 for upgrading of the iron filtration plant, a full set of MIC samples (2023 Q1) were collected from the production wells and the GAC vessels. On 24 January 2023, GAC #100 and GAC #200 were taken off-line for a minimum required 12-hour period prior to collecting quarterly MIC samples. Well No. 4S and the other four GAC vessels continued to operate. Well No. 3A is typically not online during non-peak load periods and is required to be turned on to facilitate sampling. Following the 12-hour shut-down of the vessels, GAC #100 and GAC #200 were brought back on-line. Time sequenced MIC samples were collected from Well No. 3A and the GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the vessels and startup of Well No. 3A on 25 January 2023.

Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

On 25 January 2023, GAC #500 and GAC #600 were taken off-line for a minimum required 12-hour period prior to collecting the quarterly MIC samples. Well No. 3A was brought online to compensate for shutdown of Well No. 4S and the other four GAC vessels continued to operate. Following the 12-hour shut-down, GAC #500 and GAC #600 were brought back on-line. Time sequenced MIC samples were collected from Well No. 4S and the GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the GAC vessels on 26 January 2023. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

On 26 January 2023, GAC #300 and GAC #400 were taken off-line for a minimum required 12-hour period prior to collecting the quarterly MIC samples. Well No. 4S and the other four GAC vessels continued to operate. Following the 12-hour shut-down, GAC #300 and GAC #400 were brought back on-line. Time sequenced MIC samples were collected from the GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the GAC vessels on 27 January 2023. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

Please contact me at 610-400-0636 or [rgregory@komangs.com](mailto:rgregory@komangs.com) with any questions or concerns regarding this report.

Sincerely,

**KOMAN Government Solutions, LLC**



Robert Gregory, P.G.  
Project Manager

Cc: W. Provoncha – Nassau County  
M. Alarcon – Nassau County  
C. Johnson – Nassau County  
R. Castle – Nassau County  
J. Pelton – NYSDEC  
K. Granzen – NYSDEC  
M. Travis - NYSDEC  
C. Shukis – NAVFAC  
V. Varricchio – NWIRP Bethpage Facilities Management  
R. Kern – LNYW  
N. Niola – LNYW  
J. Palmer - LNYW  
D. Brayack – Tetra Tech  
R. Hoffmaster – KGS  
P. Schauble – KGS

**ATTACHMENT 1**

**POC ANALYTICAL RESULTS FOR JANUARY 2023**

January 12, 2023

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

RE: Project: NYAW MERRICK OPS FACILITY 1/5  
Pace Project No.: 70242310

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on January 05, 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  
(631)694-3040  
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

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

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70242310001	GAC -3S/4S	Drinking Water	01/05/23 09:15	01/05/23 14:47
70242310002	GAC -3S/4S D	Drinking Water	01/05/23 09:25	01/05/23 14:47
70242310003	WELL 3A N-14347	Drinking Water	01/05/23 09:00	01/05/23 14:47
70242310004	WELL 4 N-09338	Drinking Water	01/05/23 08:45	01/05/23 14:47

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### SAMPLE ANALYTE COUNT

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70242310001	GAC -3S/4S	EPA 522	IMH	2
		EPA 524.2	KGG	62
70242310002	GAC -3S/4S D	EPA 524.2	KGG	62
70242310003	WELL 3A N-14347	EPA 522	IMH	2
		EPA 524.2	KGG	62
70242310004	WELL 4 N-09338	EPA 522	IMH	2
		EPA 524.2	KGG	62

PACE-MV = Pace Analytical Services - Melville

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

Sample: GAC -3S/4S      Lab ID: 70242310001      Collected: 01/05/23 09:15      Received: 01/05/23 14:47      Matrix: Drinking Water									
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>									
Analytical Method: EPA 522    Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	2.1	ug/L	0.020		1	01/06/23 15:51	01/10/23 00:51	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	107	%	70-130		1	01/06/23 15:51	01/10/23 00:51		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		01/11/23 12:40	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		01/11/23 12:40	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		01/11/23 12:40	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		01/11/23 12:40	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		01/11/23 12:40	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		01/11/23 12:40	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		01/11/23 12:40	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		01/11/23 12:40	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		01/11/23 12:40	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5		01/11/23 12:40	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		01/11/23 12:40	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		01/11/23 12:40	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		01/11/23 12:40	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		01/11/23 12:40	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		01/11/23 12:40	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		01/11/23 12:40	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		01/11/23 12:40	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		01/11/23 12:40	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		01/11/23 12:40	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		01/11/23 12:40	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		01/11/23 12:40	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		01/11/23 12:40	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		01/11/23 12:40	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		01/11/23 12:40	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		5		01/11/23 12:40	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50		7		01/11/23 12:40	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		01/11/23 12:40	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		01/11/23 12:40	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		5		01/11/23 12:40	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		01/11/23 12:40	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		01/11/23 12:40	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		01/11/23 12:40	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/11/23 12:40	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/11/23 12:40	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		01/11/23 12:40	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		01/11/23 12:40	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		01/11/23 12:40	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		01/11/23 12:40	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50		5		01/11/23 12:40	75-09-2	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/5  
Pace Project No.: 70242310

Sample: GAC -3S/4S      Lab ID: 70242310001      Collected: 01/05/23 09:15      Received: 01/05/23 14:47      Matrix: Drinking Water									
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		01/11/23 12:40	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		01/11/23 12:40	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		01/11/23 12:40	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/11/23 12:40	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/11/23 12:40	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		01/11/23 12:40	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		01/11/23 12:40	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		01/11/23 12:40		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		01/11/23 12:40	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		01/11/23 12:40	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		01/11/23 12:40	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		01/11/23 12:40	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		01/11/23 12:40	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		01/11/23 12:40	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		01/11/23 12:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		01/11/23 12:40	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		01/11/23 12:40	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		01/11/23 12:40	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		01/11/23 12:40	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		01/11/23 12:40	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		01/11/23 12:40	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		01/11/23 12:40	2199-69-1	
4-Bromofluorobenzene (S)	83	%	70-130		1		01/11/23 12:40	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

Sample: **GAC -3S/4S D** Lab ID: **70242310002** Collected: 01/05/23 09:25 Received: 01/05/23 14:47 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50	5	1		01/11/23 13:06	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		01/11/23 13:06	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		01/11/23 13:06	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		01/11/23 13:06	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		01/11/23 13:06	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		01/11/23 13:06	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:06	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:06	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:06	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		01/11/23 13:06	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		01/11/23 13:06	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		01/11/23 13:06	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		01/11/23 13:06	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		01/11/23 13:06	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		01/11/23 13:06	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		01/11/23 13:06	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		01/11/23 13:06	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		01/11/23 13:06	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		01/11/23 13:06	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		01/11/23 13:06	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		01/11/23 13:06	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		01/11/23 13:06	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		01/11/23 13:06	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		01/11/23 13:06	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		01/11/23 13:06	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		01/11/23 13:06	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		01/11/23 13:06	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		01/11/23 13:06	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		01/11/23 13:06	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		01/11/23 13:06	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		01/11/23 13:06	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		01/11/23 13:06	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/11/23 13:06	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/11/23 13:06	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		01/11/23 13:06	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		01/11/23 13:06	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		01/11/23 13:06	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		01/11/23 13:06	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50	5	1		01/11/23 13:06	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		01/11/23 13:06	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:06	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		01/11/23 13:06	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/11/23 13:06	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/11/23 13:06	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		01/11/23 13:06	127-18-4	

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## ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

Sample: GAC -3S/4S D      Lab ID: 70242310002      Collected: 01/05/23 09:25      Received: 01/05/23 14:47      Matrix: Drinking Water									
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Toluene	<0.50	ug/L	0.50	1000	1		01/11/23 13:06	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		01/11/23 13:06		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		01/11/23 13:06	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		01/11/23 13:06	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		01/11/23 13:06	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		01/11/23 13:06	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		01/11/23 13:06	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		01/11/23 13:06	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		01/11/23 13:06	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		01/11/23 13:06	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:06	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:06	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		2		01/11/23 13:06	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		01/11/23 13:06	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		01/11/23 13:06	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		01/11/23 13:06	2199-69-1	
4-Bromofluorobenzene (S)	88	%	70-130		1		01/11/23 13:06	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

**Sample: WELL 3A N-14347**      **Lab ID: 70242310003**      Collected: 01/05/23 09:00      Received: 01/05/23 14:47      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>									
Analytical Method: EPA 522    Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	2.1	ug/L	0.020		1	01/06/23 15:51	01/10/23 01:08	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	105	%	70-130		1	01/06/23 15:51	01/10/23 01:08		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		01/11/23 13:59	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		01/11/23 13:59	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		01/11/23 13:59	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		01/11/23 13:59	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		01/11/23 13:59	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		01/11/23 13:59	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:59	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:59	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:59	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5		01/11/23 13:59	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		01/11/23 13:59	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		01/11/23 13:59	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		01/11/23 13:59	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		01/11/23 13:59	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		01/11/23 13:59	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		01/11/23 13:59	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		01/11/23 13:59	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		01/11/23 13:59	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		01/11/23 13:59	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		01/11/23 13:59	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		01/11/23 13:59	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		01/11/23 13:59	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		01/11/23 13:59	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		01/11/23 13:59	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		5		01/11/23 13:59	107-06-2	
1,1-Dichloroethene	0.82	ug/L	0.50		7		01/11/23 13:59	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50		70		01/11/23 13:59	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		01/11/23 13:59	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		5		01/11/23 13:59	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		01/11/23 13:59	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		01/11/23 13:59	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		01/11/23 13:59	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/11/23 13:59	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/11/23 13:59	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50		700		01/11/23 13:59	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		01/11/23 13:59	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		01/11/23 13:59	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		01/11/23 13:59	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50		5		01/11/23 13:59	75-09-2	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

Sample: WELL 3A N-14347 Lab ID: 70242310003 Collected: 01/05/23 09:00 Received: 01/05/23 14:47 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		01/11/23 13:59	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:59	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		01/11/23 13:59	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/11/23 13:59	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/11/23 13:59	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		5	1	01/11/23 13:59	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		01/11/23 13:59	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50		80	1	01/11/23 13:59		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		01/11/23 13:59	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		01/11/23 13:59	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		01/11/23 13:59	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		01/11/23 13:59	79-00-5	
Trichloroethene	27.7	ug/L	0.50		5	1	01/11/23 13:59	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		01/11/23 13:59	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		01/11/23 13:59	96-18-4	
1,1,2-Trichlorotrifluoroethane	0.99	ug/L	0.50		1		01/11/23 13:59	76-13-1	IH,L1, N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:59	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:59	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		2	1	01/11/23 13:59	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		01/11/23 13:59	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		01/11/23 13:59	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		01/11/23 13:59	2199-69-1	
4-Bromofluorobenzene (S)	82	%	70-130		1		01/11/23 13:59	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

**Sample: WELL 4 N-09338**      **Lab ID: 70242310004**      Collected: 01/05/23 08:45      Received: 01/05/23 14:47      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>									
Analytical Method: EPA 522    Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	2.5	ug/L	0.020		1	01/06/23 15:51	01/10/23 01:42	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	107	%	70-130		1	01/06/23 15:51	01/10/23 01:42		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		01/11/23 13:33	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		01/11/23 13:33	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		01/11/23 13:33	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		01/11/23 13:33	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		01/11/23 13:33	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		01/11/23 13:33	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:33	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:33	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:33	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		01/11/23 13:33	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		01/11/23 13:33	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		01/11/23 13:33	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		01/11/23 13:33	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		01/11/23 13:33	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		01/11/23 13:33	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		01/11/23 13:33	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		01/11/23 13:33	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		01/11/23 13:33	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		01/11/23 13:33	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		01/11/23 13:33	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		01/11/23 13:33	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		01/11/23 13:33	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		01/11/23 13:33	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		01/11/23 13:33	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		01/11/23 13:33	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		01/11/23 13:33	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		01/11/23 13:33	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		01/11/23 13:33	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		01/11/23 13:33	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		01/11/23 13:33	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		01/11/23 13:33	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		01/11/23 13:33	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/11/23 13:33	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/11/23 13:33	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		01/11/23 13:33	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		01/11/23 13:33	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		01/11/23 13:33	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		01/11/23 13:33	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50	5	1		01/11/23 13:33	75-09-2	

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## ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

**Sample: WELL 4 N-09338**      **Lab ID: 70242310004**      Collected: 01/05/23 08:45      Received: 01/05/23 14:47      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		01/11/23 13:33	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:33	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		01/11/23 13:33	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/11/23 13:33	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/11/23 13:33	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		5	1	01/11/23 13:33	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		01/11/23 13:33	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50		80	1	01/11/23 13:33		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		01/11/23 13:33	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		01/11/23 13:33	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		01/11/23 13:33	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		01/11/23 13:33	79-00-5	
Trichloroethene	4.0	ug/L	0.50	5	1		01/11/23 13:33	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		01/11/23 13:33	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		01/11/23 13:33	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		01/11/23 13:33	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:33	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		01/11/23 13:33	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		01/11/23 13:33	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		01/11/23 13:33	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		01/11/23 13:33	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		01/11/23 13:33	2199-69-1	
4-Bromofluorobenzene (S)	88	%	70-130		1		01/11/23 13:33	460-00-4	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

QC Batch: 289379

Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2

Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70242310001, 70242310002, 70242310003, 70242310004

METHOD BLANK: 1463135

Matrix: Water

Associated Lab Samples: 70242310001, 70242310002, 70242310003, 70242310004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	01/11/23 08:04	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	01/11/23 08:04	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	01/11/23 08:04	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	01/11/23 08:04	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	01/11/23 08:04	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	01/11/23 08:04	
1,1-Dichloroethene	ug/L	<0.50	0.50	01/11/23 08:04	
1,1-Dichloropropene	ug/L	<0.50	0.50	01/11/23 08:04	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	01/11/23 08:04	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	01/11/23 08:04	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	01/11/23 08:04	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	01/11/23 08:04	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	01/11/23 08:04	
1,2-Dichloroethane	ug/L	<0.50	0.50	01/11/23 08:04	
1,2-Dichloropropane	ug/L	<0.50	0.50	01/11/23 08:04	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	01/11/23 08:04	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	01/11/23 08:04	
1,3-Dichloropropane	ug/L	<0.50	0.50	01/11/23 08:04	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	01/11/23 08:04	
2,2-Dichloropropane	ug/L	<0.50	0.50	01/11/23 08:04	
2-Chlorotoluene	ug/L	<0.50	0.50	01/11/23 08:04	
4-Chlorotoluene	ug/L	<0.50	0.50	01/11/23 08:04	
Benzene	ug/L	<0.50	0.50	01/11/23 08:04	
Bromobenzene	ug/L	<0.50	0.50	01/11/23 08:04	
Bromochloromethane	ug/L	<0.50	0.50	01/11/23 08:04	
Bromodichloromethane	ug/L	<0.50	0.50	01/11/23 08:04	
Bromoform	ug/L	<0.50	0.50	01/11/23 08:04	
Bromomethane	ug/L	<0.50	0.50	01/11/23 08:04	
Carbon tetrachloride	ug/L	<0.50	0.50	01/11/23 08:04	
Chlorobenzene	ug/L	<0.50	0.50	01/11/23 08:04	
Chlorodifluoromethane	ug/L	<0.50	0.50	01/11/23 08:04	N3
Chloroethane	ug/L	<0.50	0.50	01/11/23 08:04	
Chloroform	ug/L	<0.50	0.50	01/11/23 08:04	
Chloromethane	ug/L	<0.50	0.50	01/11/23 08:04	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	01/11/23 08:04	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	01/11/23 08:04	
Dibromochloromethane	ug/L	<0.50	0.50	01/11/23 08:04	
Dibromomethane	ug/L	<0.50	0.50	01/11/23 08:04	
Dichlorodifluoromethane	ug/L	<0.50	0.50	01/11/23 08:04	
Ethylbenzene	ug/L	<0.50	0.50	01/11/23 08:04	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

METHOD BLANK: 1463135

Matrix: Water

Associated Lab Samples: 70242310001, 70242310002, 70242310003, 70242310004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	01/11/23 08:04	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	01/11/23 08:04	
m&p-Xylene	ug/L	<0.50	0.50	01/11/23 08:04	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	01/11/23 08:04	
Methylene Chloride	ug/L	<0.50	0.50	01/11/23 08:04	
n-Butylbenzene	ug/L	<0.50	0.50	01/11/23 08:04	
n-Propylbenzene	ug/L	<0.50	0.50	01/11/23 08:04	
o-Xylene	ug/L	<0.50	0.50	01/11/23 08:04	
p-Isopropyltoluene	ug/L	<0.50	0.50	01/11/23 08:04	
sec-Butylbenzene	ug/L	<0.50	0.50	01/11/23 08:04	
Styrene	ug/L	<0.50	0.50	01/11/23 08:04	
tert-Butylbenzene	ug/L	<0.50	0.50	01/11/23 08:04	
Tetrachloroethene	ug/L	<0.50	0.50	01/11/23 08:04	
Toluene	ug/L	<0.50	0.50	01/11/23 08:04	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	01/11/23 08:04	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	01/11/23 08:04	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	01/11/23 08:04	
Trichloroethene	ug/L	<0.50	0.50	01/11/23 08:04	
Trichlorofluoromethane	ug/L	<0.50	0.50	01/11/23 08:04	
Vinyl chloride	ug/L	<0.50	0.50	01/11/23 08:04	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130	01/11/23 08:04	
4-Bromofluorobenzene (S)	%	91	70-130	01/11/23 08:04	

LABORATORY CONTROL SAMPLE: 1463136

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	11.1	111	70-130	
1,1,1-Trichloroethane	ug/L	10	10.5	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	11.6	116	70-130	
1,1,2-Trichloroethane	ug/L	10	11.1	111	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	14.2	142	70-130	IH,L1,N3
1,1-Dichloroethane	ug/L	10	9.9	99	70-130	
1,1-Dichloroethene	ug/L	10	11.1	111	70-130	
1,1-Dichloropropene	ug/L	10	10.4	104	70-130	
1,2,3-Trichlorobenzene	ug/L	10	11.4	114	70-130	
1,2,3-Trichloropropane	ug/L	10	12.0	120	70-130	
1,2,4-Trichlorobenzene	ug/L	10	11.0	110	70-130	
1,2,4-Trimethylbenzene	ug/L	10	11.5	115	70-130	
1,2-Dichlorobenzene	ug/L	10	11.7	117	70-130	
1,2-Dichloroethane	ug/L	10	9.9	99	70-130	
1,2-Dichloropropane	ug/L	10	10.2	102	70-130	
1,3,5-Trimethylbenzene	ug/L	10	11.2	112	70-130	
1,3-Dichlorobenzene	ug/L	10	12.3	123	70-130	
1,3-Dichloropropane	ug/L	10	10.5	105	70-130	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

LABORATORY CONTROL SAMPLE: 1463136

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	11.8	118	70-130	
2,2-Dichloropropane	ug/L	10	10.1	101	70-130	
2-Chlorotoluene	ug/L	10	10.9	109	70-130	
4-Chlorotoluene	ug/L	10	11.3	113	70-130	
Benzene	ug/L	10	11.0	110	70-130	
Bromobenzene	ug/L	10	12.2	122	70-130	
Bromochloromethane	ug/L	10	12.0	120	70-130	
Bromodichloromethane	ug/L	10	9.7	97	70-130	
Bromoform	ug/L	10	9.1	91	70-130	
Bromomethane	ug/L	10	11.5	115	70-130	
Carbon tetrachloride	ug/L	10	10.2	102	70-130	
Chlorobenzene	ug/L	10	12.0	120	70-130	
Chlorodifluoromethane	ug/L	10	9.8	98	70-130	N3
Chloroethane	ug/L	10	10.7	107	70-130	
Chloroform	ug/L	10	10.6	106	70-130	
Chloromethane	ug/L	10	10.1	101	70-130	
cis-1,2-Dichloroethene	ug/L	10	11.8	118	70-130	
cis-1,3-Dichloropropene	ug/L	10	10.0	100	70-130	
Dibromochloromethane	ug/L	10	10.0	100	70-130	
Dibromomethane	ug/L	10	11.0	110	70-130	
Dichlorodifluoromethane	ug/L	10	11.7	117	70-130	v1
Ethylbenzene	ug/L	10	11.6	116	70-130	
Hexachloro-1,3-butadiene	ug/L	10	11.3	113	70-130	
Isopropylbenzene (Cumene)	ug/L	10	11.5	115	70-130	
m&p-Xylene	ug/L	20	23.3	117	70-130	
Methyl-tert-butyl ether	ug/L	10	10.1	101	70-130	IH
Methylene Chloride	ug/L	10	10.5	105	70-130	
n-Butylbenzene	ug/L	10	10.8	108	70-130	
n-Propylbenzene	ug/L	10	11.0	110	70-130	
o-Xylene	ug/L	10	11.7	117	70-130	
p-Isopropyltoluene	ug/L	10	11.4	114	70-130	
sec-Butylbenzene	ug/L	10	11.0	110	70-130	
Styrene	ug/L	10	11.6	116	70-130	
tert-Butylbenzene	ug/L	10	11.4	114	70-130	
Tetrachloroethene	ug/L	10	12.4	124	70-130	
Toluene	ug/L	10	11.1	111	70-130	
Total Trihalomethanes (Calc.)	ug/L		39.4			
trans-1,2-Dichloroethene	ug/L	10	11.4	114	70-130	
trans-1,3-Dichloropropene	ug/L	10	9.3	93	70-130	
Trichloroethene	ug/L	10	10.8	108	70-130	
Trichlorofluoromethane	ug/L	10	11.4	114	70-130	
Vinyl chloride	ug/L	10	10.9	109	70-130	
1,2-Dichlorobenzene-d4 (S)	%			110	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	

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**QUALITY CONTROL DATA**

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

SAMPLE DUPLICATE: 1464390

Parameter	Units	70242310003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,1-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichlorotrifluoroethane	ug/L	0.99	1.1	6	20	IH,N3
1,1-Dichloroethane	ug/L	<0.50	<0.50		20	
1,1-Dichloroethene	ug/L	0.82	0.88	7	20	
1,1-Dichloropropene	ug/L	<0.50	<0.50		20	
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,3-Trichloropropane	ug/L	<0.50	<0.50		20	
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,4-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,2-Dichloroethane	ug/L	<0.50	<0.50		20	
1,2-Dichloropropane	ug/L	<0.50	<0.50		20	
1,3,5-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,3-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,3-Dichloropropane	ug/L	<0.50	<0.50		20	
1,4-Dichlorobenzene	ug/L	<0.50	<0.50		20	
2,2-Dichloropropane	ug/L	<0.50	<0.50		20	
2-Chlorotoluene	ug/L	<0.50	<0.50		20	
4-Chlorotoluene	ug/L	<0.50	<0.50		20	
Benzene	ug/L	<0.50	<0.50		20	
Bromobenzene	ug/L	<0.50	<0.50		20	
Bromochloromethane	ug/L	<0.50	<0.50		20	
Bromodichloromethane	ug/L	<0.50	<0.50		20	
Bromoform	ug/L	<0.50	<0.50		20	
Bromomethane	ug/L	<0.50	<0.50		20	
Carbon tetrachloride	ug/L	<0.50	<0.50		20	
Chlorobenzene	ug/L	<0.50	<0.50		20	
Chlorodifluoromethane	ug/L	<0.50	<0.50		20	N3
Chloroethane	ug/L	<0.50	<0.50		20	
Chloroform	ug/L	<0.50	<0.50		20	
Chloromethane	ug/L	<0.50	<0.50		20	
cis-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
cis-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Dibromochloromethane	ug/L	<0.50	<0.50		20	
Dibromomethane	ug/L	<0.50	<0.50		20	
Dichlorodifluoromethane	ug/L	<0.50	<0.50		20	
Ethylbenzene	ug/L	<0.50	<0.50		20	
Hexachloro-1,3-butadiene	ug/L	<0.50	<0.50		20	
Isopropylbenzene (Cumene)	ug/L	<0.50	<0.50		20	
m&p-Xylene	ug/L	<0.50	<0.50		20	
Methyl-tert-butyl ether	ug/L	<0.50	<0.50		20	
Methylene Chloride	ug/L	<0.50	<0.50		20	
n-Butylbenzene	ug/L	<0.50	<0.50		20	
n-Propylbenzene	ug/L	<0.50	<0.50		20	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

SAMPLE DUPLICATE: 1464390

Parameter	Units	70242310003 Result	Dup Result	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	<0.50	<0.50		20	
p-Isopropyltoluene	ug/L	<0.50	<0.50		20	
sec-Butylbenzene	ug/L	<0.50	<0.50		20	
Styrene	ug/L	<0.50	<0.50		20	
tert-Butylbenzene	ug/L	<0.50	<0.50		20	
Tetrachloroethene	ug/L	<0.50	<0.50		20	
Toluene	ug/L	<0.50	<0.50		20	
Total Trihalomethanes (Calc.)	ug/L	<0.50	<0.50		20	
trans-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
trans-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Trichloroethene	ug/L	27.7	29.2	5	20	
Trichlorofluoromethane	ug/L	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	96	99		20	
4-Bromofluorobenzene (S)	%	82	83		20	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

QC Batch: 288794	Analysis Method: EPA 522
QC Batch Method: EPA 522	Analysis Description: 522 MSS 1,4 Dioxane
	Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70242310001, 70242310003, 70242310004

METHOD BLANK: 1460589 Matrix: Drinking Water

Associated Lab Samples: 70242310001, 70242310003, 70242310004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	01/09/23 20:40	
1,4-Dioxane-d8 (S)	%	104	70-130	01/09/23 20:40	

LABORATORY CONTROL SAMPLE: 1460590

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.02	<0.020	87	70-130	
1,4-Dioxane-d8 (S)	%			105	70-130	

MATRIX SPIKE SAMPLE: 1460647

Parameter	Units	70242194002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.02	0.028	122	70-130	
1,4-Dioxane-d8 (S)	%				108	70-130	

SAMPLE DUPLICATE: 1460648

Parameter	Units	70242197002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	<0.020		30	
1,4-Dioxane-d8 (S)	%	106	108		30	

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## QUALIFIERS

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

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### 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

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

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

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

v1 The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW MERRICK OPS FACILITY 1/5

Pace Project No.: 70242310

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70242310001	GAC -3S/4S	EPA 522	288794	EPA 522	288915
70242310003	WELL 3A N-14347	EPA 522	288794	EPA 522	288915
70242310004	WELL 4 N-09338	EPA 522	288794	EPA 522	288915
70242310001	GAC -3S/4S	EPA 524.2	289379		
70242310002	GAC -3S/4S D	EPA 524.2	289379		
70242310003	WELL 3A N-14347	EPA 524.2	289379		
70242310004	WELL 4 N-09338	EPA 524.2	289379		

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WO#: 70242310



70242310

**CHAIN-OF-CUSTODY / Analytical Request Document**  
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be

<b>Section A</b>		<b>Section B</b>		<b>Section C</b>	
<b>Required Client Information:</b>		<b>Required Project Information:</b>		<b>Invoice Information:</b>	
Company: KOMAN Government Solutions, LLC	Report To: Robert Gregory	Company Name: KOMAN Government Solutions, LLC	Account: Accounts Payable	Company Name: KOMAN Government Solutions, LLC	Regulatory Agency:
Address: 180 Garden Dr., Suite 110	Copy To: NCDOKH	Address: 3000 MARKET STREET, SUITE 200		Address: 3000 MARKET STREET, SUITE 200	State / Location: NY
Eden, PA					
Email: R.GREGORY@KOMAN.GS.COM	Purchase Order #: 02807-005	Project Name: NYAW-MERRICK OPS FACILITY	Peace Project Manager: Kimberly.McCabe@koman.com	Peace Project Manager: Kimberly.McCabe@koman.com	
Phone: (610) 400-0638	Project #: 02807-005				
Requested Due Date:					

NO	MATRIX CODE (see field codes to left)	SAMPLER TYPE (Q=GRAB C=COMB)	COLLECTED		DATE	TIME	SAMPLER TEMP AT COLLECTION	PRESERVATIVES	ANALYSIS TEST	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLER CONDITIONS
			START	END									
1	GAC-3S/4S (Seaman Neck GAC Effluent)	DW G	9/15	15:23					X				
2	GAC-3S/4S (Seaman Neck GAC Effluent)-D	DW G	9/25	15:27					X				
3	Well 3A N-14347 (Influent)	DW G	9/00	15:00					X				
4	Well 4 N-08338 (Influent)	DW G	8/15	15:03					X				
5													
6													
7													
8													
9													
10													
11													
12													

<b>ADDITIONAL COMMENTS</b>		<b>TEMP h c</b>	
RELINQUISHED BY / AFFILIATION: <i>Randy Hoffmaster</i> DATE: 1-5-2013 TIME: 1:53 ACCEPTED BY / AFFILIATION: <i>PEC</i> DATE: 1/5/13 TIME: 1:47 SAMPLE CONDITIONS: 1.8 M P Y		DATE SIGNED: 1-5-2013	
SAMPLER NAME AND SIGNATURE: <i>Randy Hoffmaster</i> PRINT Name of SAMPLER: Randy Hoffmaster SIGNATURE of SAMPLER: <i>Randy Hoffmaster</i>			

Client Name: LOMAN

Proj

PM: KMM

Due Date: 01/17/23

CLIENT: KGS

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #:

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

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: T1148 Correction Factor: +0.1

Cooler Temperature [°C]: 1.8 Cooler Temperature Corrected [°C]: 1.9

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

Temperature Blank Present:  Yes  No

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: RDZ/JS

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No

including Hawaii and Puerto Rico)?  Yes  No

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

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

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

January 30, 2023

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

RE: Project: NYAW MERRICK OPS FACILITY 1/25  
Pace Project No.: 70244308

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on January 25, 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  
(631)694-3040  
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW MERRICK OPS FACILITY 1/25  
Pace Project No.: 70244308

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

575 Broad Hollow Rd, Melville, NY 11747  
Connecticut Certification #: PH-0435  
Delaware Certification # NY 10478  
Maryland Certification #: 208  
Massachusetts Certification #: M-NY026  
New Hampshire Certification #: 2987

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

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: NYAW MERRICK OPS FACILITY 1/25  
Pace Project No.: 70244308

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70244308001	GAC-3S/4S(SEAMAN NECK GAC EFF.	Drinking Water	01/25/23 09:45	01/25/23 12:20
70244308002	GAC-3S/4S(SEAMAN NECK GAC)-D	Drinking Water	01/25/23 09:48	01/25/23 12:20
70244308003	WELL 3A N-14347 (INFLUENT)	Drinking Water	01/25/23 09:15	01/25/23 12:20
70244308004	WELL 4 N-09338 (INFLUENT)	Drinking Water	01/25/23 09:55	01/25/23 12:20

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NYAW MERRICK OPS FACILITY 1/25  
Pace Project No.: 70244308

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70244308001	GAC-3S/4S(SEAMAN NECK GAC EFF.	EPA 522	SPM	2
		EPA 524.2	KGG	62
70244308002	GAC-3S/4S(SEAMAN NECK GAC)-D	EPA 524.2	KGG	62
70244308003	WELL 3A N-14347 (INFLUENT)	EPA 522	SPM	2
		EPA 524.2	KGG	62
70244308004	WELL 4 N-09338 (INFLUENT)	EPA 522	SPM	2
		EPA 524.2	KGG	62

PACE-MV = Pace Analytical Services - Melville

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

**Sample:** GAC-3S/4S(SEAMAN NECK GAC EFF.      **Lab ID:** 70244308001      Collected: 01/25/23 09:45      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	1.5	ug/L	0.020		1	01/26/23 13:23	01/27/23 12:25	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	81	%	70-130		1	01/26/23 13:23	01/27/23 12:25		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		01/26/23 19:03	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		01/26/23 19:03	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		01/26/23 19:03	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		01/26/23 19:03	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		01/26/23 19:03	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5	1	01/26/23 19:03	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100	1	01/26/23 19:03	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:03	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		01/26/23 19:03	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		01/26/23 19:03	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		01/26/23 19:03	74-87-3	L1
2-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 19:03	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 19:03	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		01/26/23 19:03	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		01/26/23 19:03	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		01/26/23 19:03	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		01/26/23 19:03	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:03	75-71-8	v3
1,1-Dichloroethane	<0.50	ug/L	0.50		1		01/26/23 19:03	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 19:03	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		01/26/23 19:03	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		01/26/23 19:03	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		01/26/23 19:03	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		01/26/23 19:03	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:03	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:03	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:03	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:03	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:03	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		01/26/23 19:03	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		01/26/23 19:03	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		01/26/23 19:03	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		01/26/23 19:03	99-87-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25  
Pace Project No.: 70244308

**Sample:** GAC-3S/4S(SEAMAN NECK GAC EFF.      **Lab ID:** 70244308001      Collected: 01/25/23 09:45      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>		Analytical Method: EPA 524.2 Pace Analytical Services - Melville							
Methylene Chloride	<0.50	ug/L	0.50	5	1		01/26/23 19:03	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		01/26/23 19:03	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		01/26/23 19:03	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 19:03	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 19:03	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		01/26/23 19:03	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		01/26/23 19:03	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		01/26/23 19:03		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		01/26/23 19:03	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		01/26/23 19:03	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 19:03	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		01/26/23 19:03	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:03	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:03	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		01/26/23 19:03	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		01/26/23 19:03	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		01/26/23 19:03	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		01/26/23 19:03	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		01/26/23 19:03	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130		1		01/26/23 19:03	460-00-4	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

Sample: **GAC-3S/4S(SEAMAN NECK GAC)-D** Lab ID: **70244308002** Collected: 01/25/23 09:48 Received: 01/25/23 12:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50	5	1		01/26/23 19:25	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		01/26/23 19:25	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		01/26/23 19:25	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		01/26/23 19:25	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		01/26/23 19:25	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		01/26/23 19:25	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		01/26/23 19:25	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:25	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		01/26/23 19:25	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		01/26/23 19:25	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		01/26/23 19:25	74-87-3	L1
2-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 19:25	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 19:25	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		01/26/23 19:25	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		01/26/23 19:25	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		01/26/23 19:25	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		01/26/23 19:25	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:25	75-71-8	v3
1,1-Dichloroethane	<0.50	ug/L	0.50		1		01/26/23 19:25	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 19:25	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		01/26/23 19:25	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		01/26/23 19:25	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		01/26/23 19:25	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		01/26/23 19:25	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:25	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:25	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:25	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:25	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:25	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		01/26/23 19:25	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		01/26/23 19:25	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		01/26/23 19:25	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		01/26/23 19:25	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50	5	1		01/26/23 19:25	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		01/26/23 19:25	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		01/26/23 19:25	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 19:25	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 19:25	79-34-5	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25  
Pace Project No.: 70244308

**Sample:** GAC-3S/4S(SEAMAN NECK GAC)-D      **Lab ID:** 70244308002      Collected: 01/25/23 09:48      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>		Analytical Method: EPA 524.2 Pace Analytical Services - Melville							
Tetrachloroethene	<0.50	ug/L	0.50	5	1		01/26/23 19:25	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		01/26/23 19:25	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		01/26/23 19:25		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		01/26/23 19:25	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		01/26/23 19:25	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 19:25	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		01/26/23 19:25	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:25	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:25	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		01/26/23 19:25	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		01/26/23 19:25	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		01/26/23 19:25	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		01/26/23 19:25	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		01/26/23 19:25	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		01/26/23 19:25	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25  
 Pace Project No.: 70244308

**Sample: WELL 3A N-14347 (INFLUENT)**      **Lab ID: 70244308003**      Collected: 01/25/23 09:15      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>									
Analytical Method: EPA 522    Preparation Method: EPA 522 Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	1.8	ug/L	0.020		1	01/26/23 13:23	01/27/23 12:56	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	79	%	70-130		1	01/26/23 13:23	01/27/23 12:56		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2 Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		01/26/23 19:48	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		01/26/23 19:48	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		01/26/23 19:48	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		01/26/23 19:48	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		01/26/23 19:48	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5	1	01/26/23 19:48	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100	1	01/26/23 19:48	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:48	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		01/26/23 19:48	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		01/26/23 19:48	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		01/26/23 19:48	74-87-3	L1
2-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 19:48	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 19:48	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		01/26/23 19:48	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		01/26/23 19:48	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		01/26/23 19:48	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		01/26/23 19:48	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:48	75-71-8	v3
1,1-Dichloroethane	<0.50	ug/L	0.50		1		01/26/23 19:48	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 19:48	107-06-2	
1,1-Dichloroethene	1.1	ug/L	0.50	7	1		01/26/23 19:48	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		01/26/23 19:48	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		01/26/23 19:48	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		01/26/23 19:48	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:48	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:48	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:48	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:48	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:48	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		01/26/23 19:48	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		01/26/23 19:48	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		01/26/23 19:48	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		01/26/23 19:48	99-87-6	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

**Sample: WELL 3A N-14347 (INFLUENT)**      **Lab ID: 70244308003**      Collected: 01/25/23 09:15      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>		Analytical Method: EPA 524.2 Pace Analytical Services - Melville							
Methylene Chloride	<0.50	ug/L	0.50	5	1		01/26/23 19:48	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		01/26/23 19:48	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		01/26/23 19:48	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 19:48	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 19:48	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		01/26/23 19:48	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		01/26/23 19:48	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		01/26/23 19:48		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		01/26/23 19:48	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		01/26/23 19:48	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 19:48	79-00-5	
Trichloroethene	37.1	ug/L	0.50	5	1		01/26/23 19:48	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:48	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:48	96-18-4	
1,1,2-Trichlorotrifluoroethane	1.5	ug/L	0.50		1		01/26/23 19:48	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		01/26/23 19:48	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		01/26/23 19:48	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		01/26/23 19:48	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		01/26/23 19:48	2199-69-1	
4-Bromofluorobenzene (S)	88	%	70-130		1		01/26/23 19:48	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

**Sample: WELL 4 N-09338 (INFLUENT)**      **Lab ID: 70244308004**      Collected: 01/25/23 09:55      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	1.5	ug/L	0.020		1	01/26/23 13:23	01/27/23 13:28	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	77	%	70-130		1	01/26/23 13:23	01/27/23 13:28		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		01/26/23 20:11	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		01/26/23 20:11	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		01/26/23 20:11	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		01/26/23 20:11	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		01/26/23 20:11	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5	1	01/26/23 20:11	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100	1	01/26/23 20:11	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 20:11	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		01/26/23 20:11	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		01/26/23 20:11	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		01/26/23 20:11	74-87-3	L1
2-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 20:11	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 20:11	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		01/26/23 20:11	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		01/26/23 20:11	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		01/26/23 20:11	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		01/26/23 20:11	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 20:11	75-71-8	v3
1,1-Dichloroethane	<0.50	ug/L	0.50		1		01/26/23 20:11	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 20:11	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		01/26/23 20:11	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		01/26/23 20:11	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		01/26/23 20:11	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		01/26/23 20:11	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 20:11	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 20:11	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 20:11	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 20:11	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 20:11	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		01/26/23 20:11	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		01/26/23 20:11	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		01/26/23 20:11	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		01/26/23 20:11	99-87-6	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25  
Pace Project No.: 70244308

**Sample: WELL 4 N-09338 (INFLUENT)**      **Lab ID: 70244308004**      Collected: 01/25/23 09:55      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50	5	1		01/26/23 20:11	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		01/26/23 20:11	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		01/26/23 20:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 20:11	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 20:11	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		01/26/23 20:11	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		01/26/23 20:11	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		01/26/23 20:11		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		01/26/23 20:11	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		01/26/23 20:11	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 20:11	79-00-5	
Trichloroethene	4.5	ug/L	0.50	5	1		01/26/23 20:11	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		01/26/23 20:11	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		01/26/23 20:11	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		01/26/23 20:11	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		01/26/23 20:11	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		01/26/23 20:11	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		01/26/23 20:11	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		01/26/23 20:11	2199-69-1	
4-Bromofluorobenzene (S)	89	%	70-130		1		01/26/23 20:11	460-00-4	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

QC Batch: 291369

Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2

Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70244308001, 70244308002, 70244308003, 70244308004

METHOD BLANK: 1473365

Matrix: Water

Associated Lab Samples: 70244308001, 70244308002, 70244308003, 70244308004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	01/26/23 13:23	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
1,1-Dichloroethene	ug/L	<0.50	0.50	01/26/23 13:23	
1,1-Dichloropropene	ug/L	<0.50	0.50	01/26/23 13:23	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	01/26/23 13:23	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
1,2-Dichloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
1,2-Dichloropropane	ug/L	<0.50	0.50	01/26/23 13:23	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
1,3-Dichloropropane	ug/L	<0.50	0.50	01/26/23 13:23	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
2,2-Dichloropropane	ug/L	<0.50	0.50	01/26/23 13:23	
2-Chlorotoluene	ug/L	<0.50	0.50	01/26/23 13:23	
4-Chlorotoluene	ug/L	<0.50	0.50	01/26/23 13:23	
Benzene	ug/L	<0.50	0.50	01/26/23 13:23	
Bromobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
Bromochloromethane	ug/L	<0.50	0.50	01/26/23 13:23	
Bromodichloromethane	ug/L	<0.50	0.50	01/26/23 13:23	
Bromoform	ug/L	<0.50	0.50	01/26/23 13:23	
Bromomethane	ug/L	<0.50	0.50	01/26/23 13:23	
Carbon tetrachloride	ug/L	<0.50	0.50	01/26/23 13:23	
Chlorobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
Chlorodifluoromethane	ug/L	<0.50	0.50	01/26/23 13:23	N3
Chloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
Chloroform	ug/L	<0.50	0.50	01/26/23 13:23	
Chloromethane	ug/L	<0.50	0.50	01/26/23 13:23	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	01/26/23 13:23	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	01/26/23 13:23	
Dibromochloromethane	ug/L	<0.50	0.50	01/26/23 13:23	
Dibromomethane	ug/L	<0.50	0.50	01/26/23 13:23	
Dichlorodifluoromethane	ug/L	<0.50	0.50	01/26/23 13:23	v3
Ethylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

METHOD BLANK: 1473365

Matrix: Water

Associated Lab Samples: 70244308001, 70244308002, 70244308003, 70244308004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	01/26/23 13:23	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	01/26/23 13:23	
m&p-Xylene	ug/L	<0.50	0.50	01/26/23 13:23	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	01/26/23 13:23	
Methylene Chloride	ug/L	<0.50	0.50	01/26/23 13:23	
n-Butylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	
n-Propylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	
o-Xylene	ug/L	<0.50	0.50	01/26/23 13:23	
p-Isopropyltoluene	ug/L	<0.50	0.50	01/26/23 13:23	
sec-Butylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	
Styrene	ug/L	<0.50	0.50	01/26/23 13:23	
tert-Butylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	
Tetrachloroethene	ug/L	<0.50	0.50	01/26/23 13:23	
Toluene	ug/L	<0.50	0.50	01/26/23 13:23	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	01/26/23 13:23	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	01/26/23 13:23	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	01/26/23 13:23	
Trichloroethene	ug/L	<0.50	0.50	01/26/23 13:23	
Trichlorofluoromethane	ug/L	<0.50	0.50	01/26/23 13:23	
Vinyl chloride	ug/L	<0.50	0.50	01/26/23 13:23	
1,2-Dichlorobenzene-d4 (S)	%	96	70-130	01/26/23 13:23	
4-Bromofluorobenzene (S)	%	92	70-130	01/26/23 13:23	

LABORATORY CONTROL SAMPLE: 1473366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	10.7	107	70-130	
1,1,1-Trichloroethane	ug/L	10	11.3	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	11.6	116	70-130	
1,1,2-Trichloroethane	ug/L	10	12.2	122	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	13.3	133	70-130	L1,N3
1,1-Dichloroethane	ug/L	10	12.1	121	70-130	
1,1-Dichloroethene	ug/L	10	12.5	125	70-130	
1,1-Dichloropropene	ug/L	10	12.2	122	70-130	
1,2,3-Trichlorobenzene	ug/L	10	10.8	108	70-130	
1,2,3-Trichloropropane	ug/L	10	10.5	105	70-130	
1,2,4-Trichlorobenzene	ug/L	10	10.8	108	70-130	
1,2,4-Trimethylbenzene	ug/L	10	12.3	123	70-130	
1,2-Dichlorobenzene	ug/L	10	11.9	119	70-130	
1,2-Dichloroethane	ug/L	10	10.4	104	70-130	
1,2-Dichloropropane	ug/L	10	12.2	122	70-130	
1,3,5-Trimethylbenzene	ug/L	10	11.7	117	70-130	
1,3-Dichlorobenzene	ug/L	10	12.2	122	70-130	
1,3-Dichloropropane	ug/L	10	11.6	116	70-130	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

LABORATORY CONTROL SAMPLE: 1473366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	11.4	114	70-130	
2,2-Dichloropropane	ug/L	10	11.0	110	70-130	
2-Chlorotoluene	ug/L	10	12.5	125	70-130	
4-Chlorotoluene	ug/L	10	12.6	126	70-130	
Benzene	ug/L	10	12.1	121	70-130	
Bromobenzene	ug/L	10	11.2	112	70-130	
Bromochloromethane	ug/L	10	11.0	110	70-130	
Bromodichloromethane	ug/L	10	10.8	108	70-130	
Bromoform	ug/L	10	9.7	97	70-130	
Bromomethane	ug/L	10	9.2	92	70-130	
Carbon tetrachloride	ug/L	10	10.6	106	70-130	
Chlorobenzene	ug/L	10	11.7	117	70-130	
Chlorodifluoromethane	ug/L	10	13.1	131	70-130	L1,N3
Chloroethane	ug/L	10	10.9	109	70-130	
Chloroform	ug/L	10	11.7	117	70-130	
Chloromethane	ug/L	10	13.1	131	70-130	L1
cis-1,2-Dichloroethene	ug/L	10	11.3	113	70-130	
cis-1,3-Dichloropropene	ug/L	10	11.0	110	70-130	
Dibromochloromethane	ug/L	10	10.5	105	70-130	
Dibromomethane	ug/L	10	11.3	113	70-130	
Dichlorodifluoromethane	ug/L	10	7.5	75	70-130	v3
Ethylbenzene	ug/L	10	11.8	118	70-130	
Hexachloro-1,3-butadiene	ug/L	10	10.6	106	70-130	
Isopropylbenzene (Cumene)	ug/L	10	11.7	117	70-130	
m&p-Xylene	ug/L	20	23.8	119	70-130	
Methyl-tert-butyl ether	ug/L	10	8.9	89	70-130	v1
Methylene Chloride	ug/L	10	12.3	123	70-130	
n-Butylbenzene	ug/L	10	12.9	129	70-130	IH
n-Propylbenzene	ug/L	10	12.4	124	70-130	
o-Xylene	ug/L	10	11.7	117	70-130	
p-Isopropyltoluene	ug/L	10	12.1	121	70-130	
sec-Butylbenzene	ug/L	10	12.4	124	70-130	
Styrene	ug/L	10	12.1	121	70-130	
tert-Butylbenzene	ug/L	10	11.6	116	70-130	
Tetrachloroethene	ug/L	10	11.9	119	70-130	
Toluene	ug/L	10	11.8	118	70-130	
Total Trihalomethanes (Calc.)	ug/L		42.8			
trans-1,2-Dichloroethene	ug/L	10	12.2	122	70-130	
trans-1,3-Dichloropropene	ug/L	10	11.0	110	70-130	
Trichloroethene	ug/L	10	12.0	120	70-130	
Trichlorofluoromethane	ug/L	10	11.6	116	70-130	
Vinyl chloride	ug/L	10	11.1	111	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

SAMPLE DUPLICATE: 1473943

Parameter	Units	70244345001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,1-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichlorotrifluoroethane	ug/L	0.79	0.82	3	20	N3
1,1-Dichloroethane	ug/L	<0.50	<0.50		20	
1,1-Dichloroethene	ug/L	<0.50	<0.50		20	
1,1-Dichloropropene	ug/L	<0.50	<0.50		20	
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,3-Trichloropropane	ug/L	<0.50	<0.50		20	
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,4-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,2-Dichloroethane	ug/L	<0.50	<0.50		20	
1,2-Dichloropropane	ug/L	<0.50	<0.50		20	
1,3,5-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,3-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,3-Dichloropropane	ug/L	<0.50	<0.50		20	
1,4-Dichlorobenzene	ug/L	<0.50	<0.50		20	
2,2-Dichloropropane	ug/L	<0.50	<0.50		20	
2-Chlorotoluene	ug/L	<0.50	<0.50		20	
4-Chlorotoluene	ug/L	<0.50	<0.50		20	
Benzene	ug/L	<0.50	<0.50		20	
Bromobenzene	ug/L	<0.50	<0.50		20	
Bromochloromethane	ug/L	<0.50	<0.50		20	
Bromodichloromethane	ug/L	<0.50	<0.50		20	
Bromoform	ug/L	<0.50	<0.50		20	
Bromomethane	ug/L	<0.50	<0.50		20	
Carbon tetrachloride	ug/L	<0.50	<0.50		20	
Chlorobenzene	ug/L	<0.50	<0.50		20	
Chlorodifluoromethane	ug/L	<0.50	<0.50		20	N3
Chloroethane	ug/L	<0.50	<0.50		20	
Chloroform	ug/L	<0.50	<0.50		20	
Chloromethane	ug/L	<0.50	<0.50		20	
cis-1,2-Dichloroethene	ug/L	6.1	6.2	2	20	
cis-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Dibromochloromethane	ug/L	<0.50	<0.50		20	
Dibromomethane	ug/L	<0.50	<0.50		20	
Dichlorodifluoromethane	ug/L	<0.50	<0.50		20	v3
Ethylbenzene	ug/L	<0.50	<0.50		20	
Hexachloro-1,3-butadiene	ug/L	<0.50	<0.50		20	
Isopropylbenzene (Cumene)	ug/L	<0.50	<0.50		20	
m&p-Xylene	ug/L	<0.50	<0.50		20	
Methyl-tert-butyl ether	ug/L	<0.50	<0.50		20	
Methylene Chloride	ug/L	<0.50	<0.50		20	
n-Butylbenzene	ug/L	<0.50	<0.50		20	
n-Propylbenzene	ug/L	<0.50	<0.50		20	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

SAMPLE DUPLICATE: 1473943

Parameter	Units	70244345001 Result	Dup Result	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	<0.50	<0.50		20	
p-Isopropyltoluene	ug/L	<0.50	<0.50		20	
sec-Butylbenzene	ug/L	<0.50	<0.50		20	
Styrene	ug/L	<0.50	<0.50		20	
tert-Butylbenzene	ug/L	<0.50	<0.50		20	
Tetrachloroethene	ug/L	7.5	7.5	0	20	
Toluene	ug/L	<0.50	<0.50		20	
Total Trihalomethanes (Calc.)	ug/L	<0.50	<0.50		20	
trans-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
trans-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Trichloroethene	ug/L	6.6	6.8	3	20	
Trichlorofluoromethane	ug/L	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	97	91		20	
4-Bromofluorobenzene (S)	%	91	89		20	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

QC Batch:	291343	Analysis Method:	EPA 522
QC Batch Method:	EPA 522	Analysis Description:	522 MSS 1,4 Dioxane
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70244308001, 70244308003, 70244308004

METHOD BLANK: 1473191 Matrix: Drinking Water

Associated Lab Samples: 70244308001, 70244308003, 70244308004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	01/27/23 11:53	
1,4-Dioxane-d8 (S)	%	75	70-130	01/27/23 11:53	

LABORATORY CONTROL SAMPLE: 1473192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	4	3.1	79	70-130	
1,4-Dioxane-d8 (S)	%			76	70-130	

MATRIX SPIKE SAMPLE: 1473193

Parameter	Units	70244308001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1.5	4	4.9	85	70-130	E
1,4-Dioxane-d8 (S)	%				82	70-130	

SAMPLE DUPLICATE: 1473194

Parameter	Units	70244308003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1.8	1.9	4	30	
1,4-Dioxane-d8 (S)	%	79	76		30	

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## QUALIFIERS

Project: NYAW MERRICK OPS FACILITY 1/25  
Pace Project No.: 70244308

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### 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.  |
| IH | This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value. |
| L1 | Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.              |
| N3 | Accreditation is not offered by the relevant laboratory accrediting body for this parameter.   |
| v1 | The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias. |
| v3 | The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.  |

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70244308001	GAC-3S/4S(SEAMAN NECK GAC EFF.	EPA 522	291343	EPA 522	291427
70244308003	WELL 3A N-14347 (INFLUENT)	EPA 522	291343	EPA 522	291427
70244308004	WELL 4 N-09338 (INFLUENT)	EPA 522	291343	EPA 522	291427
70244308001	GAC-3S/4S(SEAMAN NECK GAC EFF.	EPA 524.2	291369		
70244308002	GAC-3S/4S(SEAMAN NECK GAC)-D	EPA 524.2	291369		
70244308003	WELL 3A N-14347 (INFLUENT)	EPA 524.2	291369		
70244308004	WELL 4 N-09338 (INFLUENT)	EPA 524.2	291369		

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WO#: 70244308



70244308

**CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 Of 1

**Section A**

**Required Client Information:**

Company: KOMAN Government Solutions, LLC  
 Address: 180 Gordon Dr., Suite 110  
 Edon, PA  
 Email: RGregory@komanos.com  
 Phone: (810) 400-0636 Fax:  
 Requested Due Date:

**Required Project Information:**

Report To: Robert Gregory  
 Copy To: NCDOH  
 Purchase Order #: 02807-005  
 Project Name: NYAW-MERRICK OPS FACILITY  
 Project #: 02807-005

**Section C**

**Invoice Information:**

Attention: Accounts Payable  
 Company Name: KOMAN Government Solutions, LLC  
 Address: accounts payable@komanos.com  
 Pace Quote:  
 Pace Project Manager: Kimberly.Mack@Paceaha.com  
 Pace Profile #:

**Regulatory Agency:**  
**State / Location:**  
 NY

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, -, #) Sample ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S=SRAB, C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	Analytes Test	Residual Chlorine (Y/N)			
				START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				Other	POC (VOCs by EPA.2)	1,4-dioxane (B2)
				DATE	TIME	DATE	TIME															
1	GAC-38/4S (Seaman Neck GAC Effluent)	DW	G			1/25/23	9:45	4				X		X				X	X			
2	GAC-38/4S (Seaman Neck GAC Effluent)-D	DW	G			1/25/23	9:48	2				X						X				
3	Well 3A N-14347 (Influent)	DW	G			1/25/23	9:15	4				X		X				X	X			
4	Well 4 N-09338 (Influent)	DW	G			1/25/23	9:55	4				X		X				X	X			
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELEASED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Randy Hoffmaster	1/25/23		Jan P.C.T.	1/25	12:20	1-0	W	N	Y

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: *Randy Hoffmaster*

DATE Signed: 1/25/2023

**TEMP in C**

Received on: [ ]

Y/N

Cooling: [ ]

Y/N

Container: [ ]

Y/N

Sample Intact: [ ]

Y/N





KGS

WO#: 70244308

Due Date: 02/03/23

PM: KMM

CLIENT: KGS

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

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

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

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: T1148

Correction Factor: + 0.1

Cooler Temperature (°C): 1.0

Cooler Temperature Corrected (°C): 1.1

Temperature Blank Present:  Yes  No

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

Date and Initials of person examining contents: SH 1/23/23

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

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

NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No

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

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

Field Data Required? Y / N

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

Client Notification/ Resolution:

Person Contacted:

Comments/ Resolution:

**ATTACHMENT 2**

**QUARTERLY MIC ANALYTICAL RESULTS – Q1 2023**

January 30, 2023

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

RE: Project: NYAW MERRICK OPS FACILITY 1/25  
Pace Project No.: 70244308

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on January 25, 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  
(631)694-3040  
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

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

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: NYAW MERRICK OPS FACILITY 1/25  
Pace Project No.: 70244308

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70244308001	GAC-3S/4S(SEAMAN NECK GAC EFF.	Drinking Water	01/25/23 09:45	01/25/23 12:20
70244308002	GAC-3S/4S(SEAMAN NECK GAC)-D	Drinking Water	01/25/23 09:48	01/25/23 12:20
70244308003	WELL 3A N-14347 (INFLUENT)	Drinking Water	01/25/23 09:15	01/25/23 12:20
70244308004	WELL 4 N-09338 (INFLUENT)	Drinking Water	01/25/23 09:55	01/25/23 12:20

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70244308001	GAC-3S/4S(SEAMAN NECK GAC EFF.	EPA 522	SPM	2
		EPA 524.2	KGG	62
70244308002	GAC-3S/4S(SEAMAN NECK GAC)-D	EPA 524.2	KGG	62
70244308003	WELL 3A N-14347 (INFLUENT)	EPA 522	SPM	2
		EPA 524.2	KGG	62
70244308004	WELL 4 N-09338 (INFLUENT)	EPA 522	SPM	2
		EPA 524.2	KGG	62

PACE-MV = Pace Analytical Services - Melville

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

**Sample:** GAC-3S/4S(SEAMAN NECK GAC EFF.      **Lab ID:** 70244308001      Collected: 01/25/23 09:45      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	1.5	ug/L	0.020		1	01/26/23 13:23	01/27/23 12:25	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	81	%	70-130		1	01/26/23 13:23	01/27/23 12:25		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		01/26/23 19:03	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		01/26/23 19:03	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		01/26/23 19:03	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		01/26/23 19:03	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		01/26/23 19:03	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5	1	01/26/23 19:03	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100	1	01/26/23 19:03	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:03	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		01/26/23 19:03	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		01/26/23 19:03	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		01/26/23 19:03	74-87-3	L1
2-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 19:03	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 19:03	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		01/26/23 19:03	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		01/26/23 19:03	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		01/26/23 19:03	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		01/26/23 19:03	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:03	75-71-8	v3
1,1-Dichloroethane	<0.50	ug/L	0.50		1		01/26/23 19:03	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 19:03	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		01/26/23 19:03	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		01/26/23 19:03	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		01/26/23 19:03	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		01/26/23 19:03	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:03	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:03	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:03	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:03	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:03	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		01/26/23 19:03	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		01/26/23 19:03	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		01/26/23 19:03	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		01/26/23 19:03	99-87-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

**Sample:** GAC-3S/4S(SEAMAN NECK GAC EFF.      **Lab ID:** 70244308001      Collected: 01/25/23 09:45      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50	5	1		01/26/23 19:03	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		01/26/23 19:03	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		01/26/23 19:03	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 19:03	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 19:03	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		01/26/23 19:03	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		01/26/23 19:03	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		01/26/23 19:03		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		01/26/23 19:03	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		01/26/23 19:03	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 19:03	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		01/26/23 19:03	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:03	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:03	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		01/26/23 19:03	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:03	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		01/26/23 19:03	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		01/26/23 19:03	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		01/26/23 19:03	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		01/26/23 19:03	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130		1		01/26/23 19:03	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

Sample: **GAC-3S/4S(SEAMAN NECK GAC)-D** Lab ID: **70244308002** Collected: 01/25/23 09:48 Received: 01/25/23 12:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>		Analytical Method: EPA 524.2 Pace Analytical Services - Melville							
Benzene	<0.50	ug/L	0.50	5	1		01/26/23 19:25	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		01/26/23 19:25	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		01/26/23 19:25	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		01/26/23 19:25	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		01/26/23 19:25	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		01/26/23 19:25	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		01/26/23 19:25	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:25	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		01/26/23 19:25	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		01/26/23 19:25	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		01/26/23 19:25	74-87-3	L1
2-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 19:25	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 19:25	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		01/26/23 19:25	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		01/26/23 19:25	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		01/26/23 19:25	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		01/26/23 19:25	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:25	75-71-8	v3
1,1-Dichloroethane	<0.50	ug/L	0.50		1		01/26/23 19:25	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 19:25	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		01/26/23 19:25	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		01/26/23 19:25	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		01/26/23 19:25	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		01/26/23 19:25	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:25	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:25	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:25	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:25	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:25	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		01/26/23 19:25	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		01/26/23 19:25	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		01/26/23 19:25	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		01/26/23 19:25	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50	5	1		01/26/23 19:25	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		01/26/23 19:25	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		01/26/23 19:25	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 19:25	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 19:25	79-34-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25  
Pace Project No.: 70244308

**Sample:** GAC-3S/4S(SEAMAN NECK GAC)-D      **Lab ID:** 70244308002      Collected: 01/25/23 09:48      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Tetrachloroethene	<0.50	ug/L	0.50	5	1		01/26/23 19:25	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		01/26/23 19:25	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		01/26/23 19:25		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		01/26/23 19:25	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		01/26/23 19:25	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 19:25	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		01/26/23 19:25	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:25	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:25	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		01/26/23 19:25	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:25	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		01/26/23 19:25	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		01/26/23 19:25	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		01/26/23 19:25	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		01/26/23 19:25	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		01/26/23 19:25	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25

Sample Project No.: 70244308

**Sample: WELL 3A N-14347 (INFLUENT)**      **Lab ID: 70244308003**      Collected: 01/25/23 09:15      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	1.8	ug/L	0.020		1	01/26/23 13:23	01/27/23 12:56	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	79	%	70-130		1	01/26/23 13:23	01/27/23 12:56		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		01/26/23 19:48	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		01/26/23 19:48	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		01/26/23 19:48	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		01/26/23 19:48	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		01/26/23 19:48	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5	1	01/26/23 19:48	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100	1	01/26/23 19:48	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:48	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		01/26/23 19:48	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		01/26/23 19:48	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		01/26/23 19:48	74-87-3	L1
2-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 19:48	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 19:48	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		01/26/23 19:48	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		01/26/23 19:48	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		01/26/23 19:48	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		01/26/23 19:48	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:48	75-71-8	v3
1,1-Dichloroethane	<0.50	ug/L	0.50		1		01/26/23 19:48	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 19:48	107-06-2	
1,1-Dichloroethene	1.1	ug/L	0.50		7	1	01/26/23 19:48	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50		70	1	01/26/23 19:48	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50		100	1	01/26/23 19:48	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		5	1	01/26/23 19:48	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:48	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:48	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:48	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:48	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 19:48	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		01/26/23 19:48	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		01/26/23 19:48	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		01/26/23 19:48	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		01/26/23 19:48	99-87-6	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

**Sample: WELL 3A N-14347 (INFLUENT)**      **Lab ID: 70244308003**      Collected: 01/25/23 09:15      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50	5	1		01/26/23 19:48	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		01/26/23 19:48	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		01/26/23 19:48	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 19:48	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 19:48	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		01/26/23 19:48	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		01/26/23 19:48	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		01/26/23 19:48		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		01/26/23 19:48	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		01/26/23 19:48	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 19:48	79-00-5	
Trichloroethene	37.1	ug/L	0.50	5	1		01/26/23 19:48	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		01/26/23 19:48	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		01/26/23 19:48	96-18-4	
1,1,2-Trichlorotrifluoroethane	1.5	ug/L	0.50		1		01/26/23 19:48	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 19:48	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		01/26/23 19:48	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		01/26/23 19:48	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		01/26/23 19:48	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		01/26/23 19:48	2199-69-1	
4-Bromofluorobenzene (S)	88	%	70-130		1		01/26/23 19:48	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

**Sample: WELL 4 N-09338 (INFLUENT)**      **Lab ID: 70244308004**      Collected: 01/25/23 09:55      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	1.5	ug/L	0.020		1	01/26/23 13:23	01/27/23 13:28	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	77	%	70-130		1	01/26/23 13:23	01/27/23 13:28		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		01/26/23 20:11	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		01/26/23 20:11	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		01/26/23 20:11	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		01/26/23 20:11	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		01/26/23 20:11	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5	1	01/26/23 20:11	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100	1	01/26/23 20:11	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 20:11	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		01/26/23 20:11	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		01/26/23 20:11	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		01/26/23 20:11	74-87-3	L1
2-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 20:11	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		01/26/23 20:11	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		01/26/23 20:11	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		01/26/23 20:11	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		01/26/23 20:11	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		01/26/23 20:11	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		01/26/23 20:11	75-71-8	v3
1,1-Dichloroethane	<0.50	ug/L	0.50		1		01/26/23 20:11	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 20:11	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		01/26/23 20:11	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		01/26/23 20:11	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		01/26/23 20:11	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		01/26/23 20:11	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 20:11	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		01/26/23 20:11	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 20:11	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 20:11	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		01/26/23 20:11	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		01/26/23 20:11	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		01/26/23 20:11	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		01/26/23 20:11	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		01/26/23 20:11	99-87-6	

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### ANALYTICAL RESULTS

Project: NYAW MERRICK OPS FACILITY 1/25  
Pace Project No.: 70244308

**Sample: WELL 4 N-09338 (INFLUENT)**      **Lab ID: 70244308004**      Collected: 01/25/23 09:55      Received: 01/25/23 12:20      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>		Analytical Method: EPA 524.2 Pace Analytical Services - Melville							
Methylene Chloride	<0.50	ug/L	0.50	5	1		01/26/23 20:11	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		01/26/23 20:11	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		01/26/23 20:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 20:11	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		01/26/23 20:11	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		01/26/23 20:11	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		01/26/23 20:11	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		01/26/23 20:11		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		01/26/23 20:11	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		01/26/23 20:11	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		01/26/23 20:11	79-00-5	
Trichloroethene	4.5	ug/L	0.50	5	1		01/26/23 20:11	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		01/26/23 20:11	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		01/26/23 20:11	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		01/26/23 20:11	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		01/26/23 20:11	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		01/26/23 20:11	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		01/26/23 20:11	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		01/26/23 20:11	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		01/26/23 20:11	2199-69-1	
4-Bromofluorobenzene (S)	89	%	70-130		1		01/26/23 20:11	460-00-4	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

QC Batch: 291369

Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2

Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70244308001, 70244308002, 70244308003, 70244308004

METHOD BLANK: 1473365

Matrix: Water

Associated Lab Samples: 70244308001, 70244308002, 70244308003, 70244308004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	01/26/23 13:23	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
1,1-Dichloroethene	ug/L	<0.50	0.50	01/26/23 13:23	
1,1-Dichloropropene	ug/L	<0.50	0.50	01/26/23 13:23	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	01/26/23 13:23	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
1,2-Dichloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
1,2-Dichloropropane	ug/L	<0.50	0.50	01/26/23 13:23	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
1,3-Dichloropropane	ug/L	<0.50	0.50	01/26/23 13:23	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
2,2-Dichloropropane	ug/L	<0.50	0.50	01/26/23 13:23	
2-Chlorotoluene	ug/L	<0.50	0.50	01/26/23 13:23	
4-Chlorotoluene	ug/L	<0.50	0.50	01/26/23 13:23	
Benzene	ug/L	<0.50	0.50	01/26/23 13:23	
Bromobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
Bromochloromethane	ug/L	<0.50	0.50	01/26/23 13:23	
Bromodichloromethane	ug/L	<0.50	0.50	01/26/23 13:23	
Bromoform	ug/L	<0.50	0.50	01/26/23 13:23	
Bromomethane	ug/L	<0.50	0.50	01/26/23 13:23	
Carbon tetrachloride	ug/L	<0.50	0.50	01/26/23 13:23	
Chlorobenzene	ug/L	<0.50	0.50	01/26/23 13:23	
Chlorodifluoromethane	ug/L	<0.50	0.50	01/26/23 13:23	N3
Chloroethane	ug/L	<0.50	0.50	01/26/23 13:23	
Chloroform	ug/L	<0.50	0.50	01/26/23 13:23	
Chloromethane	ug/L	<0.50	0.50	01/26/23 13:23	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	01/26/23 13:23	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	01/26/23 13:23	
Dibromochloromethane	ug/L	<0.50	0.50	01/26/23 13:23	
Dibromomethane	ug/L	<0.50	0.50	01/26/23 13:23	
Dichlorodifluoromethane	ug/L	<0.50	0.50	01/26/23 13:23	v3
Ethylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

METHOD BLANK: 1473365

Matrix: Water

Associated Lab Samples: 70244308001, 70244308002, 70244308003, 70244308004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	01/26/23 13:23	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	01/26/23 13:23	
m&p-Xylene	ug/L	<0.50	0.50	01/26/23 13:23	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	01/26/23 13:23	
Methylene Chloride	ug/L	<0.50	0.50	01/26/23 13:23	
n-Butylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	
n-Propylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	
o-Xylene	ug/L	<0.50	0.50	01/26/23 13:23	
p-Isopropyltoluene	ug/L	<0.50	0.50	01/26/23 13:23	
sec-Butylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	
Styrene	ug/L	<0.50	0.50	01/26/23 13:23	
tert-Butylbenzene	ug/L	<0.50	0.50	01/26/23 13:23	
Tetrachloroethene	ug/L	<0.50	0.50	01/26/23 13:23	
Toluene	ug/L	<0.50	0.50	01/26/23 13:23	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	01/26/23 13:23	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	01/26/23 13:23	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	01/26/23 13:23	
Trichloroethene	ug/L	<0.50	0.50	01/26/23 13:23	
Trichlorofluoromethane	ug/L	<0.50	0.50	01/26/23 13:23	
Vinyl chloride	ug/L	<0.50	0.50	01/26/23 13:23	
1,2-Dichlorobenzene-d4 (S)	%	96	70-130	01/26/23 13:23	
4-Bromofluorobenzene (S)	%	92	70-130	01/26/23 13:23	

LABORATORY CONTROL SAMPLE: 1473366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	10.7	107	70-130	
1,1,1-Trichloroethane	ug/L	10	11.3	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	11.6	116	70-130	
1,1,2-Trichloroethane	ug/L	10	12.2	122	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	13.3	133	70-130	L1,N3
1,1-Dichloroethane	ug/L	10	12.1	121	70-130	
1,1-Dichloroethene	ug/L	10	12.5	125	70-130	
1,1-Dichloropropene	ug/L	10	12.2	122	70-130	
1,2,3-Trichlorobenzene	ug/L	10	10.8	108	70-130	
1,2,3-Trichloropropane	ug/L	10	10.5	105	70-130	
1,2,4-Trichlorobenzene	ug/L	10	10.8	108	70-130	
1,2,4-Trimethylbenzene	ug/L	10	12.3	123	70-130	
1,2-Dichlorobenzene	ug/L	10	11.9	119	70-130	
1,2-Dichloroethane	ug/L	10	10.4	104	70-130	
1,2-Dichloropropane	ug/L	10	12.2	122	70-130	
1,3,5-Trimethylbenzene	ug/L	10	11.7	117	70-130	
1,3-Dichlorobenzene	ug/L	10	12.2	122	70-130	
1,3-Dichloropropane	ug/L	10	11.6	116	70-130	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

LABORATORY CONTROL SAMPLE: 1473366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	11.4	114	70-130	
2,2-Dichloropropane	ug/L	10	11.0	110	70-130	
2-Chlorotoluene	ug/L	10	12.5	125	70-130	
4-Chlorotoluene	ug/L	10	12.6	126	70-130	
Benzene	ug/L	10	12.1	121	70-130	
Bromobenzene	ug/L	10	11.2	112	70-130	
Bromochloromethane	ug/L	10	11.0	110	70-130	
Bromodichloromethane	ug/L	10	10.8	108	70-130	
Bromoform	ug/L	10	9.7	97	70-130	
Bromomethane	ug/L	10	9.2	92	70-130	
Carbon tetrachloride	ug/L	10	10.6	106	70-130	
Chlorobenzene	ug/L	10	11.7	117	70-130	
Chlorodifluoromethane	ug/L	10	13.1	131	70-130	L1,N3
Chloroethane	ug/L	10	10.9	109	70-130	
Chloroform	ug/L	10	11.7	117	70-130	
Chloromethane	ug/L	10	13.1	131	70-130	L1
cis-1,2-Dichloroethene	ug/L	10	11.3	113	70-130	
cis-1,3-Dichloropropene	ug/L	10	11.0	110	70-130	
Dibromochloromethane	ug/L	10	10.5	105	70-130	
Dibromomethane	ug/L	10	11.3	113	70-130	
Dichlorodifluoromethane	ug/L	10	7.5	75	70-130	v3
Ethylbenzene	ug/L	10	11.8	118	70-130	
Hexachloro-1,3-butadiene	ug/L	10	10.6	106	70-130	
Isopropylbenzene (Cumene)	ug/L	10	11.7	117	70-130	
m&p-Xylene	ug/L	20	23.8	119	70-130	
Methyl-tert-butyl ether	ug/L	10	8.9	89	70-130	v1
Methylene Chloride	ug/L	10	12.3	123	70-130	
n-Butylbenzene	ug/L	10	12.9	129	70-130	IH
n-Propylbenzene	ug/L	10	12.4	124	70-130	
o-Xylene	ug/L	10	11.7	117	70-130	
p-Isopropyltoluene	ug/L	10	12.1	121	70-130	
sec-Butylbenzene	ug/L	10	12.4	124	70-130	
Styrene	ug/L	10	12.1	121	70-130	
tert-Butylbenzene	ug/L	10	11.6	116	70-130	
Tetrachloroethene	ug/L	10	11.9	119	70-130	
Toluene	ug/L	10	11.8	118	70-130	
Total Trihalomethanes (Calc.)	ug/L		42.8			
trans-1,2-Dichloroethene	ug/L	10	12.2	122	70-130	
trans-1,3-Dichloropropene	ug/L	10	11.0	110	70-130	
Trichloroethene	ug/L	10	12.0	120	70-130	
Trichlorofluoromethane	ug/L	10	11.6	116	70-130	
Vinyl chloride	ug/L	10	11.1	111	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

SAMPLE DUPLICATE: 1473943

Parameter	Units	70244345001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,1-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichlorotrifluoroethane	ug/L	0.79	0.82	3	20	N3
1,1-Dichloroethane	ug/L	<0.50	<0.50		20	
1,1-Dichloroethene	ug/L	<0.50	<0.50		20	
1,1-Dichloropropene	ug/L	<0.50	<0.50		20	
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,3-Trichloropropane	ug/L	<0.50	<0.50		20	
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,4-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,2-Dichloroethane	ug/L	<0.50	<0.50		20	
1,2-Dichloropropane	ug/L	<0.50	<0.50		20	
1,3,5-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,3-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,3-Dichloropropane	ug/L	<0.50	<0.50		20	
1,4-Dichlorobenzene	ug/L	<0.50	<0.50		20	
2,2-Dichloropropane	ug/L	<0.50	<0.50		20	
2-Chlorotoluene	ug/L	<0.50	<0.50		20	
4-Chlorotoluene	ug/L	<0.50	<0.50		20	
Benzene	ug/L	<0.50	<0.50		20	
Bromobenzene	ug/L	<0.50	<0.50		20	
Bromochloromethane	ug/L	<0.50	<0.50		20	
Bromodichloromethane	ug/L	<0.50	<0.50		20	
Bromoform	ug/L	<0.50	<0.50		20	
Bromomethane	ug/L	<0.50	<0.50		20	
Carbon tetrachloride	ug/L	<0.50	<0.50		20	
Chlorobenzene	ug/L	<0.50	<0.50		20	
Chlorodifluoromethane	ug/L	<0.50	<0.50		20	N3
Chloroethane	ug/L	<0.50	<0.50		20	
Chloroform	ug/L	<0.50	<0.50		20	
Chloromethane	ug/L	<0.50	<0.50		20	
cis-1,2-Dichloroethene	ug/L	6.1	6.2	2	20	
cis-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Dibromochloromethane	ug/L	<0.50	<0.50		20	
Dibromomethane	ug/L	<0.50	<0.50		20	
Dichlorodifluoromethane	ug/L	<0.50	<0.50		20	v3
Ethylbenzene	ug/L	<0.50	<0.50		20	
Hexachloro-1,3-butadiene	ug/L	<0.50	<0.50		20	
Isopropylbenzene (Cumene)	ug/L	<0.50	<0.50		20	
m&p-Xylene	ug/L	<0.50	<0.50		20	
Methyl-tert-butyl ether	ug/L	<0.50	<0.50		20	
Methylene Chloride	ug/L	<0.50	<0.50		20	
n-Butylbenzene	ug/L	<0.50	<0.50		20	
n-Propylbenzene	ug/L	<0.50	<0.50		20	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

SAMPLE DUPLICATE: 1473943

Parameter	Units	70244345001 Result	Dup Result	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	<0.50	<0.50		20	
p-Isopropyltoluene	ug/L	<0.50	<0.50		20	
sec-Butylbenzene	ug/L	<0.50	<0.50		20	
Styrene	ug/L	<0.50	<0.50		20	
tert-Butylbenzene	ug/L	<0.50	<0.50		20	
Tetrachloroethene	ug/L	7.5	7.5	0	20	
Toluene	ug/L	<0.50	<0.50		20	
Total Trihalomethanes (Calc.)	ug/L	<0.50	<0.50		20	
trans-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
trans-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Trichloroethene	ug/L	6.6	6.8	3	20	
Trichlorofluoromethane	ug/L	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	97	91		20	
4-Bromofluorobenzene (S)	%	91	89		20	

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### QUALITY CONTROL DATA

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

QC Batch:	291343	Analysis Method:	EPA 522
QC Batch Method:	EPA 522	Analysis Description:	522 MSS 1,4 Dioxane
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70244308001, 70244308003, 70244308004

METHOD BLANK: 1473191 Matrix: Drinking Water

Associated Lab Samples: 70244308001, 70244308003, 70244308004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	01/27/23 11:53	
1,4-Dioxane-d8 (S)	%	75	70-130	01/27/23 11:53	

LABORATORY CONTROL SAMPLE: 1473192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	4	3.1	79	70-130	
1,4-Dioxane-d8 (S)	%			76	70-130	

MATRIX SPIKE SAMPLE: 1473193

Parameter	Units	70244308001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1.5	4	4.9	85	70-130	E
1,4-Dioxane-d8 (S)	%				82	70-130	

SAMPLE DUPLICATE: 1473194

Parameter	Units	70244308003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1.8	1.9	4	30	
1,4-Dioxane-d8 (S)	%	79	76		30	

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## QUALIFIERS

Project: NYAW MERRICK OPS FACILITY 1/25

Pace Project No.: 70244308

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### 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.  |
| IH | This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value. |
| L1 | Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.              |
| N3 | Accreditation is not offered by the relevant laboratory accrediting body for this parameter.   |
| √1 | The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias. |
| √3 | The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.  |

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW MERRICK OPS FACILITY 1/25  
Pace Project No.: 70244308

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70244308001	GAC-3S/4S(SEAMAN NECK GAC EFF.	EPA 522	291343	EPA 522	291427
70244308003	WELL 3A N-14347 (INFLUENT)	EPA 522	291343	EPA 522	291427
70244308004	WELL 4 N-09338 (INFLUENT)	EPA 522	291343	EPA 522	291427
70244308001	GAC-3S/4S(SEAMAN NECK GAC EFF.	EPA 524.2	291369		
70244308002	GAC-3S/4S(SEAMAN NECK GAC)-D	EPA 524.2	291369		
70244308003	WELL 3A N-14347 (INFLUENT)	EPA 524.2	291369		
70244308004	WELL 4 N-09338 (INFLUENT)	EPA 524.2	291369		

### REPORT OF LABORATORY ANALYSIS

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Client Name:

KGS

WO#: 70244308

Due Date: 02/03/23

PM: KMM

CLIENT: KGS

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #:

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

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: T1148

Correction Factor: + 0.1

Cooler Temperature (°C): 1.0

Cooler Temperature Corrected (°C): 1.1

Temperature Blank Present:  Yes  No

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

Date and Initials of person examining contents: SH 1/23/23

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

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

NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No

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

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

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

January 30, 2023

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

RE: Project: NYAW -MERRICK OPS FACILITY1/25  
Pace Project No.: 70244314

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on January 25, 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  
(631)694-3040  
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW -MERRICK OPS FACILITY1/25

Pace Project No.: 70244314

---

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

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

---

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: NYAW -MERRICK OPS FACILITY1/25

Pace Project No.: 70244314

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70244314001	N-14347 (SEAMAN NECK 3 WELL)-0	Drinking Water	01/25/23 08:30	01/25/23 12:20
70244314002	N-14347 (SEAMAN NECK 3 WELL)-2	Drinking Water	01/25/23 08:32	01/25/23 12:20
70244314003	N-14347 (SEAMAN NECK 3 WELL)-5	Drinking Water	01/25/23 08:35	01/25/23 12:20
70244314004	N-14347 (SEAMAN NECK 3WELL)-10	Drinking Water	01/25/23 08:40	01/25/23 12:20
70244314005	N-14347 (SEAMAN NECK 3WELL)-30	Drinking Water	01/25/23 09:00	01/25/23 12:20

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NYAW -MERRICK OPS FACILITY1/25  
Pace Project No.: 70244314

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70244314001	N-14347 (SEAMAN NECK 3 WELL)-0	SM22 9223B Colilert	GML	2
70244314002	N-14347 (SEAMAN NECK 3 WELL)-2	SM22 9223B Colilert	GML	2
70244314003	N-14347 (SEAMAN NECK 3 WELL)-5	SM22 9223B Colilert	GML	2
70244314004	N-14347 (SEAMAN NECK 3WELL)-10	SM22 9223B Colilert	GML	2
70244314005	N-14347 (SEAMAN NECK 3WELL)-30	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW -MERRICK OPS FACILITY1/25

Pace Project No.: 70244314

---

**Sample: N-14347 (SEAMAN NECK 3 WELL)-0**    **Lab ID: 70244314001**    Collected: 01/25/23 08:30    Received: 01/25/23 12:20    Matrix: Drinking Water

---

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW -MERRICK OPS FACILITY1/25

Pace Project No.: 70244314

---

**Sample: N-14347 (SEAMAN NECK 3 WELL)-2**    **Lab ID: 70244314002**    Collected: 01/25/23 08:32    Received: 01/25/23 12:20    Matrix: Drinking Water

---

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW -MERRICK OPS FACILITY1/25

Pace Project No.: 70244314

---

**Sample: N-14347 (SEAMAN NECK 3 WELL)-5**    **Lab ID: 70244314003**    Collected: 01/25/23 08:35    Received: 01/25/23 12:20    Matrix: Drinking Water

---

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

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## ANALYTICAL RESULTS

Project: NYAW -MERRICK OPS FACILITY1/25

Pace Project No.: 70244314

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**Sample: N-14347 (SEAMAN NECK 3WELL)-10**      **Lab ID: 70244314004**      Collected: 01/25/23 08:40      Received: 01/25/23 12:20      Matrix: Drinking Water

---

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW -MERRICK OPS FACILITY1/25

Pace Project No.: 70244314

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**Sample: N-14347 (SEAMAN NECK 3WELL)-30**      **Lab ID: 70244314005**      Collected: 01/25/23 09:00      Received: 01/25/23 12:20      Matrix: Drinking Water

---

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert      Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: NYAW -MERRICK OPS FACILITY1/25  
Pace Project No.: 70244314

QC Batch: 291425 Analysis Method: SM22 9223B Colilert  
QC Batch Method: SM22 9223B Colilert Analysis Description: TotColDW MBIO Total Coliform  
Laboratory: Pace Analytical Services - Melville  
Associated Lab Samples: 70244314001, 70244314002, 70244314003, 70244314004, 70244314005

METHOD BLANK: 1473629 Matrix: Drinking Water  
Associated Lab Samples: 70244314001, 70244314002, 70244314003, 70244314004, 70244314005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		01/26/23 11:58	
Total Coliforms		Absent		01/26/23 11:58	

SAMPLE DUPLICATE: 1473630

Parameter	Units	70244314005 Result	Dup Result	RPD	Max RPD	Qualifiers
E.coli		Absent	Absent			
Total Coliforms		Absent	Absent			

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

**REPORT OF LABORATORY ANALYSIS**

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## QUALIFIERS

Project: NYAW -MERRICK OPS FACILITY1/25

Pace Project No.: 70244314

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### 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.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW -MERRICK OPS FACILITY1/25

Pace Project No.: 70244314

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70244314001	N-14347 (SEAMAN NECK 3 WELL)-0	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702
70244314002	N-14347 (SEAMAN NECK 3 WELL)-2	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702
70244314003	N-14347 (SEAMAN NECK 3 WELL)-5	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702
70244314004	N-14347 (SEAMAN NECK 3WELL)-10	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702
70244314005	N-14347 (SEAMAN NECK 3WELL)-30	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702

### REPORT OF LABORATORY ANALYSIS

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KGS

WO#: 70244314

PM: KMM

Due Date: 02/01/23

CLIENT: KGS

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #:

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

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: T1148 Correction Factor: + 0.1

Cooler Temperature [°C]: 1.0 Cooler Temperature Corrected [°C]: 1.1

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

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

Date and Initials of person examining contents: SH 1/23/23

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

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

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

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

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

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



January 30, 2023

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

RE: Project: BACT SERIES 1/25  
Pace Project No.: 70244222

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on January 25, 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  
(631)694-3040  
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: BACT SERIES 1/25

Pace Project No.: 70244222

---

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

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

---

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: BACT SERIES 1/25

Pace Project No.: 70244222

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70244222001	GAC-3S/4S-VESSEL#100-0	Drinking Water	01/25/23 07:00	01/25/23 12:20
70244222002	GAC-3S/4S-VESSEL#100-2	Drinking Water	01/25/23 07:02	01/25/23 12:20
70244222003	GAC-3S/4S-VESSEL#100-5	Drinking Water	01/25/23 07:05	01/25/23 12:20
70244222004	GAC-3S/4S-VESSEL#100-10	Drinking Water	01/25/23 07:10	01/25/23 12:20
70244222005	GAC-3S/4S-VESSEL#100-30	Drinking Water	01/25/23 07:30	01/25/23 12:20

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: BACT SERIES 1/25  
Pace Project No.: 70244222

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70244222001	GAC-3S/4S-VESSEL#100-0	SM22 9223B Colilert	GML	2
70244222002	GAC-3S/4S-VESSEL#100-2	SM22 9223B Colilert	GML	2
70244222003	GAC-3S/4S-VESSEL#100-5	SM22 9223B Colilert	GML	2
70244222004	GAC-3S/4S-VESSEL#100-10	SM22 9223B Colilert	GML	2
70244222005	GAC-3S/4S-VESSEL#100-30	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: BACT SERIES 1/25

Pace Project No.: 70244222

---

**Sample: GAC-3S/4S-VESSEL#100-0**    **Lab ID: 70244222001**    Collected: 01/25/23 07:00    Received: 01/25/23 12:20    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: BACT SERIES 1/25

Pace Project No.: 70244222

---

**Sample: GAC-3S/4S-VESSEL#100-2    Lab ID: 70244222002    Collected: 01/25/23 07:02    Received: 01/25/23 12:20    Matrix: Drinking Water**

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: BACT SERIES 1/25

Pace Project No.: 70244222

**Sample: GAC-3S/4S-VESSEL#100-5**    **Lab ID: 70244222003**    Collected: 01/25/23 07:05    Received: 01/25/23 12:20    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: BACT SERIES 1/25

Pace Project No.: 70244222

---

**Sample:** GAC-3S/4S-VESSEL#100-10    **Lab ID:** 70244222004    Collected: 01/25/23 07:10    Received: 01/25/23 12:20    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: BACT SERIES 1/25

Pace Project No.: 70244222

**Sample:** GAC-3S/4S-VESSEL#100-30    **Lab ID:** 70244222005    Collected: 01/25/23 07:30    Received: 01/25/23 12:20    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: BACT SERIES 1/25  
Pace Project No.: 70244222

---

QC Batch:	291425	Analysis Method:	SM22 9223B Colilert
QC Batch Method:	SM22 9223B Colilert	Analysis Description:	TotColDW MBIO Total Coliform
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70244222001, 70244222002, 70244222003, 70244222004, 70244222005

---

METHOD BLANK: 1473629 Matrix: Drinking Water  
Associated Lab Samples: 70244222001, 70244222002, 70244222003, 70244222004, 70244222005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		01/26/23 11:58	
Total Coliforms		Absent		01/26/23 11:58	

---

SAMPLE DUPLICATE: 1473630

Parameter	Units	70244314005 Result	Dup Result	RPD	Max RPD	Qualifiers
E.coli		Absent	Absent			
Total Coliforms		Absent	Absent			

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

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: BACT SERIES 1/25

Pace Project No.: 70244222

---

### 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.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: BACT SERIES 1/25

Pace Project No.: 70244222

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70244222001	GAC-3S/4S-VESSEL#100-0	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702
70244222002	GAC-3S/4S-VESSEL#100-2	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702
70244222003	GAC-3S/4S-VESSEL#100-5	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702
70244222004	GAC-3S/4S-VESSEL#100-10	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702
70244222005	GAC-3S/4S-VESSEL#100-30	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702

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# CHAIN-OF-CUSTODY / Analytical Re

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant

WO# : 70244222



Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: KOMAN Government Solutions, LLC		Report To: Robert Gregory		Attention: Accounts Payable	
Address: 180 Gordon Dr., Suite 110 Exton, PA		Copy To: NCDOH		Company Name: KOMAN Government Solutions, LLC	
Email: <a href="mailto:RGregory@komang.com">RGregory@komang.com</a>		Purchase Order #: 02607-204		Address: <a href="mailto:accounts@komang.com">accounts@komang.com</a>	
Phone: (610) 400-0636		Project Name: NYAW-MERRICK OPS FACILITY		Pace Quote:	
Requested Due Date:		Project #: 02607-204		Pace Project Manager: <a href="mailto:Kimberley.Mack@Pacelabs.com">Kimberley.Mack@Pacelabs.com</a>	
				Pace Profile #:	
				Regulatory Agency	
				State / Location	
				NY	

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX DW: Drinking Water WT: Waste Water P: Product SL: Soil/Solid OL: Oil WP: Wipe AR: Air OT: Other TS: Tissue	CODE DW WT YW P SL OL WP AR OT TS	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Requested Analysis Filtered (Y/N)				Residual Chlorine (Y/N)			
				START				END		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3		Methanol	Other	Analyses Test	Colliert (Fecal/Ecoli)		Request		Chlorine
				DATE	TIME			DATE	TIME													Y/N	Y/N	
1	GAC-3S/4S-Vesse#100-0	DW	G				1	X									X							
2	GAC-3S/4S-Vesse#100-2	DW	G				1	X									X							
3	GAC-3S/4S-Vesse#100-5	DW	G				1	X									X							
4	GAC-3S/4S-Vessel#100-10	DW	G				1	X									X							
5	GAC-3S/4S-Vessel#100-30	DW	G				1	X									X							
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION <i>Randy Hoffmaster</i>	DATE 1.25.23	TIME	ACCEPTED BY / AFFILIATION <i>Jen PLLJ</i>	DATE 1/25	TIME 12:20	SAMPLE CONDITIONS 10 Y N Y														
<table border="1" style="width: 100%;"> <tr> <th colspan="2">SAMPLER NAME AND SIGNATURE</th> </tr> <tr> <td>PRINT Name of SAMPLER: Randy Hoffmaster</td> <td>SIGNATURE of SAMPLER: <i>Randy Hoffmaster</i></td> </tr> <tr> <td>TEMP In C</td> <td>DATE Signed: 1.25.23</td> </tr> </table>				SAMPLER NAME AND SIGNATURE		PRINT Name of SAMPLER: Randy Hoffmaster	SIGNATURE of SAMPLER: <i>Randy Hoffmaster</i>	TEMP In C	DATE Signed: 1.25.23	<table border="1" style="width: 100%;"> <tr> <td>Received on</td> <td>Sealed</td> <td>Cooler</td> <td>Samples</td> </tr> <tr> <td>ice (Y/N)</td> <td>(Y/N)</td> <td>(Y/N)</td> <td>react (Y/N)</td> </tr> </table>				Received on	Sealed	Cooler	Samples	ice (Y/N)	(Y/N)	(Y/N)	react (Y/N)
SAMPLER NAME AND SIGNATURE																					
PRINT Name of SAMPLER: Randy Hoffmaster	SIGNATURE of SAMPLER: <i>Randy Hoffmaster</i>																				
TEMP In C	DATE Signed: 1.25.23																				
Received on	Sealed	Cooler	Samples																		
ice (Y/N)	(Y/N)	(Y/N)	react (Y/N)																		



KGS

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #:

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

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: T1148 Correction Factor: ± 0.1

Cooler Temperature [°C]: 1.0 Cooler Temperature Corrected [°C]: 1.1

Temp should be above freezing to 6.0°C

USDA Regulated Soil [  N/A, water sample ]

Date and Initials of person examining contents: SH 1/25/23

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

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

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

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

Client Notification/ Resolution:

Person Contacted:

Comments/ Resolution:

Field Data Required?

Y / N

Date/Time:

January 30, 2023

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

RE: Project: BACT SERIES 1/25  
Pace Project No.: 70244219

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on January 25, 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  
(631)694-3040  
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: BACT SERIES 1/25

Pace Project No.: 70244219

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

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: BACT SERIES 1/25

Pace Project No.: 70244219

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70244219001	GAC-3S/4S-VESSEL#200-0	Drinking Water	01/25/23 07:40	01/25/23 12:20
70244219002	GAC-3S/4S-VESSEL#200-2	Drinking Water	01/25/23 07:42	01/25/23 12:20
70244219003	GAC-3S/4S-VESSEL#200-5	Drinking Water	01/25/23 07:45	01/25/23 12:20
70244219004	GAC-3S/4S-VESSEL#200-10	Drinking Water	01/25/23 07:50	01/25/23 12:20
70244219005	GAC-3S/4S-VESSEL#200-30	Drinking Water	01/25/23 08:10	01/25/23 12:20

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### SAMPLE ANALYTE COUNT

Project: BACT SERIES 1/25  
Pace Project No.: 70244219

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70244219001	GAC-3S/4S-VESSEL#200-0	SM22 9223B Colilert	GML	2
70244219002	GAC-3S/4S-VESSEL#200-2	SM22 9223B Colilert	GML	2
70244219003	GAC-3S/4S-VESSEL#200-5	SM22 9223B Colilert	GML	2
70244219004	GAC-3S/4S-VESSEL#200-10	SM22 9223B Colilert	GML	2
70244219005	GAC-3S/4S-VESSEL#200-30	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

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## ANALYTICAL RESULTS

Project: BACT SERIES 1/25

Pace Project No.: 70244219

---

**Sample: GAC-3S/4S-VESSEL#200-0**    **Lab ID: 70244219001**    Collected: 01/25/23 07:40    Received: 01/25/23 12:20    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: BACT SERIES 1/25

Pace Project No.: 70244219

---

**Sample: GAC-3S/4S-VESSEL#200-2**    **Lab ID: 70244219002**    Collected: 01/25/23 07:42    Received: 01/25/23 12:20    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: BACT SERIES 1/25

Pace Project No.: 70244219

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**Sample: GAC-3S/4S-VESSEL#200-5**    **Lab ID: 70244219003**    Collected: 01/25/23 07:45    Received: 01/25/23 12:20    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

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## ANALYTICAL RESULTS

Project: BACT SERIES 1/25

Pace Project No.: 70244219

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**Sample:** GAC-3S/4S-VESSEL#200-10    **Lab ID:** 70244219004    Collected: 01/25/23 07:50    Received: 01/25/23 12:20    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: BACT SERIES 1/25

Pace Project No.: 70244219

---

**Sample:** GAC-3S/4S-VESSEL#200-30    **Lab ID:** 70244219005    Collected: 01/25/23 08:10    Received: 01/25/23 12:20    Matrix: Drinking Water

---

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		
E.coli	<b>Absent</b>				1	01/25/23 17:58	01/26/23 11:58		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: BACT SERIES 1/25  
Pace Project No.: 70244219

QC Batch: 291425      Analysis Method: SM22 9223B Colilert  
QC Batch Method: SM22 9223B Colilert      Analysis Description: TotColDW MBIO Total Coliform  
Laboratory: Pace Analytical Services - Melville  
Associated Lab Samples: 70244219001, 70244219002, 70244219003, 70244219004, 70244219005

METHOD BLANK: 1473629      Matrix: Drinking Water  
Associated Lab Samples: 70244219001, 70244219002, 70244219003, 70244219004, 70244219005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		01/26/23 11:58	
Total Coliforms		Absent		01/26/23 11:58	

SAMPLE DUPLICATE: 1473630

Parameter	Units	70244314005 Result	Dup Result	RPD	Max RPD	Qualifiers
E.coli		Absent	Absent			
Total Coliforms		Absent	Absent			

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

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: BACT SERIES 1/25

Pace Project No.: 70244219

---

### 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.

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: BACT SERIES 1/25

Pace Project No.: 70244219

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70244219001	GAC-3S/4S-VESSEL#200-0	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702
70244219002	GAC-3S/4S-VESSEL#200-2	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702
70244219003	GAC-3S/4S-VESSEL#200-5	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702
70244219004	GAC-3S/4S-VESSEL#200-10	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702
70244219005	GAC-3S/4S-VESSEL#200-30	SM22 9223B Colilert	291425	SM22 9223B Colilert	291702

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Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

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

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

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: T1148 Correction Factor: + 0.1

Cooler Temperature (°C): 1.0 Cooler Temperature Corrected (°C): 1.1

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A water sample)

Date and Initials of person examining contents: SH 1/25/23

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

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

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

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

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

January 27, 2023

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

RE: Project: NYAW -MERRICK BACT SERIES 1/26  
Pace Project No.: 70244448

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on January 26, 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  
(631)694-3040  
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW -MERRICK BACT SERIES 1/26

Pace Project No.: 70244448

---

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

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

---

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: NYAW -MERRICK BACT SERIES 1/26  
Pace Project No.: 70244448

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70244448001	N-09338(SEAMAN NECK 4 WELL)-0	Drinking Water	01/26/23 09:05	01/26/23 13:45
70244448002	N-09338(SEAMAN NECK 4 WELL)-2	Drinking Water	01/26/23 09:07	01/26/23 13:45
70244448003	N-09338(SEAMAN NECK 4 WELL)-5	Drinking Water	01/26/23 09:10	01/26/23 13:45
70244448004	N-09338(SEAMAN NECK 4 WELL)-10	Drinking Water	01/26/23 09:15	01/26/23 13:45
70244448005	N-09338(SEAMAN NECK 4 WELL)-30	Drinking Water	01/26/23 09:35	01/26/23 13:45

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NYAW -MERRICK BACT SERIES 1/26  
Pace Project No.: 70244448

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70244448001	N-09338(SEAMAN NECK 4 WELL)-0	SM22 9223B Colilert	GML	2
70244448002	N-09338(SEAMAN NECK 4 WELL)-2	SM22 9223B Colilert	GML	2
70244448003	N-09338(SEAMAN NECK 4 WELL)-5	SM22 9223B Colilert	GML	2
70244448004	N-09338(SEAMAN NECK 4 WELL)-10	SM22 9223B Colilert	GML	2
70244448005	N-09338(SEAMAN NECK 4 WELL)-30	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW -MERRICK BACT SERIES 1/26

Pace Project No.: 70244448

---

**Sample:** N-09338(SEAMAN NECK 4 WELL)-0    **Lab ID:** 70244448001    Collected: 01/26/23 09:05    Received: 01/26/23 13:45    Matrix: Drinking Water

---

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW -MERRICK BACT SERIES 1/26

Pace Project No.: 70244448

---

**Sample:** N-09338(SEAMAN NECK 4 WELL)-2    **Lab ID:** 70244448002    Collected: 01/26/23 09:07    Received: 01/26/23 13:45    Matrix: Drinking Water

---

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW -MERRICK BACT SERIES 1/26

Pace Project No.: 70244448

---

**Sample:** N-09338(SEAMAN NECK 4 WELL)-5    **Lab ID:** 70244448003    Collected: 01/26/23 09:10    Received: 01/26/23 13:45    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW -MERRICK BACT SERIES 1/26

Pace Project No.: 70244448

---

**Sample: N-09338(SEAMAN NECK 4 WELL)-10**    **Lab ID: 70244448004**    Collected: 01/26/23 09:15    Received: 01/26/23 13:45    Matrix: Drinking Water

---

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW -MERRICK BACT SERIES 1/26

Pace Project No.: 70244448

**Sample: N-09338(SEAMAN NECK 4 WELL)-30**    **Lab ID: 70244448005**    Collected: 01/26/23 09:35    Received: 01/26/23 13:45    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW -MERRICK BACT SERIES 1/26

Pace Project No.: 70244448

QC Batch:	291498	Analysis Method:	SM22 9223B Colilert
QC Batch Method:	SM22 9223B Colilert	Analysis Description:	TotColDW MBIO Total Coliform
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70244448001, 70244448002, 70244448003, 70244448004, 70244448005

METHOD BLANK: 1473941 Matrix: Drinking Water

Associated Lab Samples: 70244448001, 70244448002, 70244448003, 70244448004, 70244448005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		01/27/23 11:00	
Total Coliforms		Absent		01/27/23 11:00	

SAMPLE DUPLICATE: 1473942

Parameter	Units	70244448005 Result	Dup Result	RPD	Max RPD	Qualifiers
E.coli		Absent	Absent			
Total Coliforms		Absent	Absent			

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

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: NYAW -MERRICK BACT SERIES 1/26

Pace Project No.: 70244448

---

### 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.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: NYAW -MERRICK BACT SERIES 1/26

Pace Project No.: 70244448

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70244448001	N-09338(SEAMAN NECK 4 WELL)-0	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566
70244448002	N-09338(SEAMAN NECK 4 WELL)-2	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566
70244448003	N-09338(SEAMAN NECK 4 WELL)-5	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566
70244448004	N-09338(SEAMAN NECK 4 WELL)-10	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566
70244448005	N-09338(SEAMAN NECK 4 WELL)-30	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566

**REPORT OF LABORATORY ANALYSIS**

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WO#: 70244448



70244448

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		Page: 1 Of 1
Company: KOMAN Government Solutions, LLC	Report To: Robert Gregory	Attention: Accounts Payable	Company Name: KOMAN Government Solutions, LLC		Regulatory Agency	State / Location NY
Address: 180 Gordon Dr., Suite 110 Exton, PA	Copy To: NCDOSH	Address: accounts-payable@komanqs.com	Purchase Order #: 02607-204			
Email: RGregory@komanqs.com	Project Name: NYAW-MERRICK OPS FACILITY	Face Quote:	Face Project Manager: Kimberley MackSP@komanqs.com			
Phone: (810) 400-0636 Fax	Project #: 02607-204	Face Profile #:				
Requested Due Date:						

ITEM #	SAMPLE ID One Character per box, (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see walk codes to left)	SAMPLE TYPE (S=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analytes Test Colliert (Fecal/Ecoli)	Requested Analytes Filtered (Y/N)	Residual Chlorine (Y/N)											
				DATE	TIME	DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				Other										
1	N-09338 (Seaman Neck 4 Well)-0	DW	G	1/26/23	9:05			1	X																					
2	N-09338 (Seaman Neck 4 Well)-2	DW	G	1/26/23	9:07			1	X																					
3	N-09338 (Seaman Neck 4 Well)-5	DW	G	1/26/23	9:10			1	X																					
4	N-09338 (Seaman Neck 4 Well)-10	DW	G	1/26/23	9:15			1	X																					
5	N-09338 (Seaman Neck 4 Well)-30	DW	G	1/26/23	9:35			1	X																					
6	N-09338 (Seaman Neck 4 Well)-30D	DW	G	1/26/23	9:35			1	X																					
7																														
8																														
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Randy Hoffmaster</i>	1/26/23		<i>[Signature]</i>	1/26/23	13:46	36 W H Y

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Randy Hoffmaster					
SIGNATURE of SAMPLER:	<i>[Signature]</i>					
DATE Signed:		1-26-23				



KGS

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

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

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

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: T1148 Correction Factor: + 0.1

Cooler Temperature [°C]: 3.6 Cooler Temperature Corrected [°C]: 3.7

Temp should be above freezing to 6.0°C

USDA Regulated Soil [  N/A water sample ]

Date and Initials of person examining contents: SH 1/26/23

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

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

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

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

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

January 27, 2023

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

RE: Project: NYAW-MERRICK BACT SERIES 1/26  
Pace Project No.: 70244447

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on January 26, 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  
(631)694-3040  
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW-MERRICK BACT SERIES 1/26

Pace Project No.: 70244447

---

### **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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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: NYAW-MERRICK BACT SERIES 1/26

Pace Project No.: 70244447

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70244447001	GAC-3S/4S-VESSEL#500-0	Drinking Water	01/26/23 09:40	01/26/23 13:45
70244447002	GAC-3S/4S-VESSEL#500-2	Drinking Water	01/26/23 09:42	01/26/23 13:45
70244447003	GAC-3S/4S-VESSEL#500-5	Drinking Water	01/26/23 09:45	01/26/23 13:45
70244447004	GAC-3S/4S-VESSEL#500-10	Drinking Water	01/26/23 09:50	01/26/23 13:45
70244447005	GAC-3S/4S-VESSEL#500-30	Drinking Water	01/26/23 10:10	01/26/23 13:45

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK BACT SERIES 1/26

Pace Project No.: 70244447

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70244447001	GAC-3S/4S-VESSEL#500-0	SM22 9223B Colilert	GML	2
70244447002	GAC-3S/4S-VESSEL#500-2	SM22 9223B Colilert	GML	2
70244447003	GAC-3S/4S-VESSEL#500-5	SM22 9223B Colilert	GML	2
70244447004	GAC-3S/4S-VESSEL#500-10	SM22 9223B Colilert	GML	2
70244447005	GAC-3S/4S-VESSEL#500-30	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/26

Pace Project No.: 70244447

---

**Sample:** GAC-3S/4S-VESSEL#500-0    **Lab ID:** 70244447001    Collected: 01/26/23 09:40    Received: 01/26/23 13:45    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>		Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville							
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/26

Pace Project No.: 70244447

---

**Sample: GAC-3S/4S-VESSEL#500-2    Lab ID: 70244447002    Collected: 01/26/23 09:42    Received: 01/26/23 13:45    Matrix: Drinking Water**

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/26

Pace Project No.: 70244447

---

**Sample: GAC-3S/4S-VESSEL#500-5    Lab ID: 70244447003    Collected: 01/26/23 09:45    Received: 01/26/23 13:45    Matrix: Drinking Water**

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/26

Pace Project No.: 70244447

---

**Sample:** GAC-3S/4S-VESSEL#500-10    **Lab ID:** 70244447004    Collected: 01/26/23 09:50    Received: 01/26/23 13:45    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/26

Pace Project No.: 70244447

---

**Sample:** GAC-3S/4S-VESSEL#500-30    **Lab ID:** 70244447005    Collected: 01/26/23 10:10    Received: 01/26/23 13:45    Matrix: Drinking Water

---

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW-MERRICK BACT SERIES 1/26

Pace Project No.: 70244447

QC Batch: 291498

Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert

Analysis Description: TotColDW MBIO Total Coliform

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70244447001, 70244447002, 70244447003, 70244447004, 70244447005

METHOD BLANK: 1473941

Matrix: Drinking Water

Associated Lab Samples: 70244447001, 70244447002, 70244447003, 70244447004, 70244447005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		01/27/23 11:00	
Total Coliforms		Absent		01/27/23 11:00	

SAMPLE DUPLICATE: 1473942

Parameter	Units	70244448005 Result	Dup Result	RPD	Max RPD	Qualifiers
E.coli		Absent	Absent			
Total Coliforms		Absent	Absent			

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

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## QUALIFIERS

Project: NYAW-MERRICK BACT SERIES 1/26

Pace Project No.: 70244447

---

### 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.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK BACT SERIES 1/26

Pace Project No.: 70244447

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70244447001	GAC-3S/4S-VESSEL#500-0	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566
70244447002	GAC-3S/4S-VESSEL#500-2	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566
70244447003	GAC-3S/4S-VESSEL#500-5	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566
70244447004	GAC-3S/4S-VESSEL#500-10	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566
70244447005	GAC-3S/4S-VESSEL#500-30	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566

### REPORT OF LABORATORY ANALYSIS

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WO#: 70244447



70244447

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A  
Required Client Information:

Section C  
Invoice Information:

Company: KOMAN Government Solutions, LLC  
 Address: 180 Gordon Dr., Suite 110  
 Exton, PA  
 Email: [RGregory@komanqs.com](mailto:RGregory@komanqs.com)  
 Phone: (610) 400-0636 | Fax:  
 Requested Due Date:

Report To: Robert Gregory  
 Copy To: NCDOH  
 Purchase Order #: 02607-204  
 Project Name: NYAW-MERRICK OPS FACILITY  
 Project #: 02607-204

Attention: Accounts Payable  
 Company Name: KOMAN Government Solutions, LLC  
 Address: [accounts payable@komanqs.com](mailto:accounts payable@komanqs.com)  
 Pace Quote:  
 Pace Project Manager: [Kimberley.Mack@Pacelabs.com](mailto:Kimberley.Mack@Pacelabs.com)  
 Pace Profile #:

Page: 1 Of 1

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	COLLECTED		START DATE TIME	END DATE TIME	SAMPLER NAME AND SIGNATURE	# OF CONTAINERS	Preservatives							Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)		
				DATE	TIME					Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol		Other	Analyses Test	Requested Analysis Filtered (Y/N)												
																				Requested Analysis Filtered (Y/N)												
																				Requested Analysis Filtered (Y/N)												
1	GAC-3S/4S-Vessel#500-0	DW	G			1/26/23	9:40		1	X																						
2	GAC-3S/4S-Vessel#500-2	DW	G			1/26/23	9:42		1	X																						
3	GAC-3S/4S-Vessel#500-5	DW	G			1/26/23	9:45		1	X																						
4	GAC-3S/4S-Vessel#500-10	DW	G			1/26/23	9:50		1	X																						
5	GAC-3S/4S-Vessel#500-30	DW	G			1/26/23	10:10		1	X																						
6																																
7																																
8																																
9																																
10																																
11																																
12																																

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION  
*Randy Hoffmaster*  
 DATE: 1/26/23

ACCEPTED BY / AFFILIATION  
*[Signature]*  
 DATE: 1/26/23 TIME: 13:46

SAMPLE CONDITIONS  
 W N Y

SAMPLER NAME AND SIGNATURE  
 PRINT Name of SAMPLER: Randy Hoffmaster  
 SIGNATURE of SAMPLER: *Randy Hoffmaster* DATE Signed: 1.26.2023  
 EMP in C  
 received on  e  /N  
 usbody  sealed  cooler  /N  
 amples  act  /N



KGS

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Face  Other

Tracking #:

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

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: T1148

Correction Factor: + 0.1

Cooler Temperature(°C): 3.6

Cooler Temperature Corrected(°C): 3.7

Temperature Blank Present:  Yes  No

Type of Ice:  Wet  Blue  None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

USDA Regulated Soil (  N/A, water sample)

Date and Initials of person examining contents: SH 1/26/23

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

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

NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No

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

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

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

January 30, 2023

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

RE: Project: NYAW-MERRICK BACT SERIES 1/27  
Pace Project No.: 70244528

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on January 27, 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  
(631)694-3040  
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244528

---

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

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

---

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244528

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70244528001	GAC-3S/4S-VESSEL#300-0	Drinking Water	01/27/23 09:30	01/27/23 13:15
70244528002	GAC-3S/4S-VESSEL#300-2	Drinking Water	01/27/23 09:32	01/27/23 13:15
70244528003	GAC-3S/4S-VESSEL#300-5	Drinking Water	01/27/23 09:35	01/27/23 13:15
70244528004	GAC-3S/4S-VESSEL#300-10	Drinking Water	01/27/23 09:40	01/27/23 13:15
70244528005	GAC-3S/4S-VESSEL#300-30	Drinking Water	01/27/23 10:00	01/27/23 13:15

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244528

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70244528001	GAC-3S/4S-VESSEL#300-0	SM22 9223B Colilert	GML	2
70244528002	GAC-3S/4S-VESSEL#300-2	SM22 9223B Colilert	GML	2
70244528003	GAC-3S/4S-VESSEL#300-5	SM22 9223B Colilert	GML	2
70244528004	GAC-3S/4S-VESSEL#300-10	SM22 9223B Colilert	GML	2
70244528005	GAC-3S/4S-VESSEL#300-30	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244528

---

**Sample: GAC-3S/4S-VESSEL#300-0**    **Lab ID: 70244528001**    Collected: 01/27/23 09:30    Received: 01/27/23 13:15    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		
E.coli	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244528

---

**Sample: GAC-3S/4S-VESSEL#300-2    Lab ID: 70244528002    Collected: 01/27/23 09:32    Received: 01/27/23 13:15    Matrix: Drinking Water**

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		
E.coli	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244528

---

**Sample: GAC-3S/4S-VESSEL#300-5    Lab ID: 70244528003    Collected: 01/27/23 09:35    Received: 01/27/23 13:15    Matrix: Drinking Water**

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		
E.coli	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244528

---

**Sample:** GAC-3S/4S-VESSEL#300-10    **Lab ID:** 70244528004    Collected: 01/27/23 09:40    Received: 01/27/23 13:15    Matrix: Drinking Water

---

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		
E.coli	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244528

**Sample:** GAC-3S/4S-VESSEL#300-30    **Lab ID:** 70244528005    Collected: 01/27/23 10:00    Received: 01/27/23 13:15    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		
E.coli	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW-MERRICK BACT SERIES 1/27  
Pace Project No.: 70244528

---

QC Batch:	291615	Analysis Method:	SM22 9223B Colilert
QC Batch Method:	SM22 9223B Colilert	Analysis Description:	TotColDW MBIO Total Coliform
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70244528001, 70244528002, 70244528003, 70244528004, 70244528005

---

METHOD BLANK: 1474622 Matrix: Drinking Water  
Associated Lab Samples: 70244528001, 70244528002, 70244528003, 70244528004, 70244528005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		01/29/23 06:30	
Total Coliforms		Absent		01/29/23 06:30	

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

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244528

---

### 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.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244528

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70244528001	GAC-3S/4S-VESSEL#300-0	SM22 9223B Colilert	291615	SM22 9223B Colilert	291694
70244528002	GAC-3S/4S-VESSEL#300-2	SM22 9223B Colilert	291615	SM22 9223B Colilert	291694
70244528003	GAC-3S/4S-VESSEL#300-5	SM22 9223B Colilert	291615	SM22 9223B Colilert	291694
70244528004	GAC-3S/4S-VESSEL#300-10	SM22 9223B Colilert	291615	SM22 9223B Colilert	291694
70244528005	GAC-3S/4S-VESSEL#300-30	SM22 9223B Colilert	291615	SM22 9223B Colilert	291694

**REPORT OF LABORATORY ANALYSIS**

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed.

WO#: 70244528



<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: KOMAN Government Solutions, LLC		Report To: Robert Gregory		Attention: Accounts Payable	
Address: 180 Gordon Dr., Suite 110 Exton, PA		Copy To: NCDOH		Company Name: KOMAN Government Solutions, LLC	
Email: <a href="mailto:RGregory@komanqs.com">RGregory@komanqs.com</a>		Purchase Order #: 02607-204		Address: <a href="mailto:accounts payable@komanqs.com">accounts payable@komanqs.com</a>	
Phone: (610) 400-0636 Fax		Project Name: NYAW-MERRICK OPS FACILITY		Pace Quote:	
Requested Due Date:		Project #: 02607-204		Pace Project Manager: <a href="mailto:Kimberley.Mack@Pacelabs.com">Kimberley.Mack@Pacelabs.com</a>	
				Regulatory Agency	
				State / Location	
				NY	

ITEM #	SAMPLE ID <small>One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique</small>	MATRIX CODE <small>MATRIX CODE (see valid codes to left)</small>	SAMPLE TYPE <small>(G=GRAB C=COMP)</small>	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analyses Test <small>Y/N</small>	Residual Chlorine (Y/N)
				START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other		
				DATE	TIME	DATE	TIME												
1	GAC-3S/4S-Vessel#300-0	DW	G		12723	9:30		1	X									X	
2	GAC-3S/4S-Vessel#300-2	DW	G		12723	9:32		1	X									X	
3	GAC-3S/4S-Vessel#300-5	DW	G		12723	9:35		1	X									X	
4	GAC-3S/4S-Vessel#300-10	DW	G		12723	9:40		1	X									X	
5	GAC-3S/4S-Vessel#300-30	DW	G		12723	10:00		1	X									X	
6					12723														
7																			
8																			
9																			
10																			
11																			
12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Randy Hoffmaster</i>	12723		<i>[Signature]</i>	1/21/23	13:15	.6 w 2 y

<b>SAMPLER NAME AND SIGNATURE</b>	
PRINT Name of SAMPLER: Randy Hoffmaster	
SIGNATURE of SAMPLER: <i>Randy Hoffmaster</i>	DATE Signed: 12723



Client Name: KGS

PM: KMM

Due Date: 02/03/23

CLIENT: KGS

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

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

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

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: T1148 Correction Factor: + 0.1

Cooler Temperature(°C): 0.6 Cooler Temperature Corrected(°C): 0.7

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

Temperature Blank Present:  Yes  No

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer \_\_\_\_\_

Date and Initials of person examining contents: SH 1/27/23

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

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

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

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

Client Notification/ Resolution: \_\_\_\_\_

Field Data Required? Y / N

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

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

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

January 30, 2023

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

RE: Project: NYAW-MERRICK BACT SERIES 1/27  
Pace Project No.: 70244527

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on January 27, 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  
(631)694-3040  
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244527

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

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: NYAW-MERRICK BACT SERIES 1/27  
Pace Project No.: 70244527

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70244527001	GAC-3S/4S-VESSEL#400-0	Drinking Water	01/27/23 10:15	01/27/23 13:15
70244527002	GAC-3S/4S-VESSEL#400-2	Drinking Water	01/27/23 10:17	01/27/23 13:15
70244527003	GAC-3S/4S-VESSEL#400-5	Drinking Water	01/27/23 10:20	01/27/23 13:15
70244527004	GAC-3S/4S-VESSEL#400-10	Drinking Water	01/27/23 10:25	01/27/23 13:15
70244527005	GAC-3S/4S-VESSEL#400-30	Drinking Water	01/27/23 10:45	01/27/23 13:15

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244527

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70244527001	GAC-3S/4S-VESSEL#400-0	SM22 9223B Colilert	GML	2
70244527002	GAC-3S/4S-VESSEL#400-2	SM22 9223B Colilert	GML	2
70244527003	GAC-3S/4S-VESSEL#400-5	SM22 9223B Colilert	GML	2
70244527004	GAC-3S/4S-VESSEL#400-10	SM22 9223B Colilert	GML	2
70244527005	GAC-3S/4S-VESSEL#400-30	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244527

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**Sample: GAC-3S/4S-VESSEL#400-0**    **Lab ID: 70244527001**    Collected: 01/27/23 10:15    Received: 01/27/23 13:15    Matrix: Drinking Water

---

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		
E.coli	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244527

---

**Sample: GAC-3S/4S-VESSEL#400-2    Lab ID: 70244527002    Collected: 01/27/23 10:17    Received: 01/27/23 13:15    Matrix: Drinking Water**

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		
E.coli	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244527

**Sample: GAC-3S/4S-VESSEL#400-5**    **Lab ID: 70244527003**    Collected: 01/27/23 10:20    Received: 01/27/23 13:15    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		
E.coli	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244527

---

**Sample:** GAC-3S/4S-VESSEL#400-10    **Lab ID:** 70244527004    Collected: 01/27/23 10:25    Received: 01/27/23 13:15    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		
E.coli	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244527

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**Sample:** GAC-3S/4S-VESSEL#400-30    **Lab ID:** 70244527005    Collected: 01/27/23 10:45    Received: 01/27/23 13:15    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		
E.coli	<b>Absent</b>				1	01/28/23 06:30	01/29/23 06:30		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW-MERRICK BACT SERIES 1/27  
Pace Project No.: 70244527

---

QC Batch:	291615	Analysis Method:	SM22 9223B Colilert
QC Batch Method:	SM22 9223B Colilert	Analysis Description:	TotColDW MBIO Total Coliform
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70244527001, 70244527002, 70244527003, 70244527004, 70244527005

---

METHOD BLANK: 1474622 Matrix: Drinking Water  
Associated Lab Samples: 70244527001, 70244527002, 70244527003, 70244527004, 70244527005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		01/29/23 06:30	
Total Coliforms		Absent		01/29/23 06:30	

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

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244527

---

### 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.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK BACT SERIES 1/27

Pace Project No.: 70244527

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70244527001	GAC-3S/4S-VESSEL#400-0	SM22 9223B Colilert	291615	SM22 9223B Colilert	291694
70244527002	GAC-3S/4S-VESSEL#400-2	SM22 9223B Colilert	291615	SM22 9223B Colilert	291694
70244527003	GAC-3S/4S-VESSEL#400-5	SM22 9223B Colilert	291615	SM22 9223B Colilert	291694
70244527004	GAC-3S/4S-VESSEL#400-10	SM22 9223B Colilert	291615	SM22 9223B Colilert	291694
70244527005	GAC-3S/4S-VESSEL#400-30	SM22 9223B Colilert	291615	SM22 9223B Colilert	291694

### REPORT OF LABORATORY ANALYSIS

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Client Name: KGS

PM: KMM Due Date: 02/03/23  
CLIENT: KGS

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Race  Other

Tracking #: \_\_\_\_\_  
Custody Seal on Cooler/Box Present:  Yes  No - Seals intact:  Yes  No  N/A

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other  
Temperature Blank Present:  Yes  No  
Type of Ice:  Wet  Blue  None

Thermometer Used: T1148 Correction Factor: + 0.1  
Cooler Temperature [°C]: 0.6 Cooler Temperature Corrected [°C]: 0.7  
 Samples on ice, cooling process has begun  
Date/Time 5035A kits placed in freezer \_\_\_\_\_

Temp should be above freezing to 6.0°C  
USDA Regulated Soil (  N/A, water sample ) \_\_\_\_\_ Date and Initials of person examining contents: SH 1/27/23

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

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

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

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

January 27, 2023

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

RE: Project: NYAW-MERRICK BACT SEREIS 1/26  
Pace Project No.: 70244443

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on January 26, 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  
(631)694-3040  
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW-MERRICK BACT SEREIS 1/26

Pace Project No.: 70244443

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

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: NYAW-MERRICK BACT SEREIS 1/26  
Pace Project No.: 70244443

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70244443001	GAC-3S/4S-VESSEL#600-0	Drinking Water	01/26/23 09:50	01/26/23 13:45
70244443002	GAC-3S/4S-VESSEL#600-2	Drinking Water	01/26/23 09:52	01/26/23 13:45
70244443003	GAC-3S/4S-VESSEL#600-5	Drinking Water	01/26/23 09:55	01/26/23 13:45
70244443004	GAC-3S/4S-VESSEL#600-10	Drinking Water	01/26/23 10:00	01/26/23 13:45
70244443005	GAC-3S/4S-VESSEL#600-30	Drinking Water	01/26/23 10:20	01/26/23 13:45

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK BACT SEREIS 1/26

Pace Project No.: 70244443

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70244443001	GAC-3S/4S-VESSEL#600-0	SM22 9223B Colilert	GML	2
70244443002	GAC-3S/4S-VESSEL#600-2	SM22 9223B Colilert	GML	2
70244443003	GAC-3S/4S-VESSEL#600-5	SM22 9223B Colilert	GML	2
70244443004	GAC-3S/4S-VESSEL#600-10	SM22 9223B Colilert	GML	2
70244443005	GAC-3S/4S-VESSEL#600-30	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SEREIS 1/26

Pace Project No.: 70244443

**Sample: GAC-3S/4S-VESSEL#600-0**    **Lab ID: 70244443001**    Collected: 01/26/23 09:50    Received: 01/26/23 13:45    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SEREIS 1/26

Pace Project No.: 70244443

**Sample: GAC-3S/4S-VESSEL#600-2 Lab ID: 70244443002** Collected: 01/26/23 09:52 Received: 01/26/23 13:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SEREIS 1/26

Pace Project No.: 70244443

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**Sample: GAC-3S/4S-VESSEL#600-5**    **Lab ID: 70244443003**    Collected: 01/26/23 09:55    Received: 01/26/23 13:45    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SEREIS 1/26

Pace Project No.: 70244443

**Sample:** GAC-3S/4S-VESSEL#600-10    **Lab ID:** 70244443004    Collected: 01/26/23 10:00    Received: 01/26/23 13:45    Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SEREIS 1/26

Pace Project No.: 70244443

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**Sample:** GAC-3S/4S-VESSEL#600-30    **Lab ID:** 70244443005    Collected: 01/26/23 10:20    Received: 01/26/23 13:45    Matrix: Drinking Water

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Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert    Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		
E.coli	<b>Absent</b>				1	01/26/23 17:00	01/27/23 11:00		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW-MERRICK BACT SEREIS 1/26  
Pace Project No.: 70244443

QC Batch: 291498	Analysis Method: SM22 9223B Colilert
QC Batch Method: SM22 9223B Colilert	Analysis Description: TotColDW MBIO Total Coliform
	Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70244443001, 70244443002, 70244443003, 70244443004, 70244443005

METHOD BLANK: 1473941 Matrix: Drinking Water  
Associated Lab Samples: 70244443001, 70244443002, 70244443003, 70244443004, 70244443005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		01/27/23 11:00	
Total Coliforms		Absent		01/27/23 11:00	

SAMPLE DUPLICATE: 1473942

Parameter	Units	70244448005 Result	Dup Result	RPD	Max RPD	Qualifiers
E.coli		Absent	Absent			
Total Coliforms		Absent	Absent			

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

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## QUALIFIERS

Project: NYAW-MERRICK BACT SEREIS 1/26

Pace Project No.: 70244443

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### 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.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: NYAW-MERRICK BACT SEREIS 1/26

Pace Project No.: 70244443

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70244443001	GAC-3S/4S-VESSEL#600-0	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566
70244443002	GAC-3S/4S-VESSEL#600-2	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566
70244443003	GAC-3S/4S-VESSEL#600-5	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566
70244443004	GAC-3S/4S-VESSEL#600-10	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566
70244443005	GAC-3S/4S-VESSEL#600-30	SM22 9223B Colilert	291498	SM22 9223B Colilert	291566

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KGS

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #:

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

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: T1148 Correction Factor: + 0.1

Cooler Temperature [°C]: 3.6 Cooler Temperature Corrected [°C]: 3.7

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A water sample)

Temperature Blank Present:  Yes  No

Type of Ice:  Wet  Blue  None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: SH 1/26/23

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

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

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

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

Client Notification/ Resolution:

Person Contacted:

Comments/ Resolution:

Field Data Required?

Y / N

Date/Time:

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