



4 November 2022

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

**Subject:      October 2022 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 October 2022 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 Compound (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.

## **October 2022 Sampling Summary**

### **Monthly POC Sampling**

On 4 October 2022 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. **Attachment 1** provides the analytical data report for POC samples collected in October 2022. **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> – October 2022**

<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]
10/04/2022	26.3	2.5	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 – 2022 Q3**

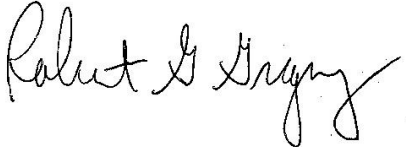
On 2 October 2022, GAC #500 and GAC #600 were taken off-line for a minimum required 12-hour period prior to collecting quarterly MIC samples. Well No. 4S and the other four GAC vessels continued to operate. Following the 12-hour shut-down of the vessels, GAC #500 and GAC #600 were brought back on-line. 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 vessels and startup of Well No. 4S on 3 October 2022. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

On 10 October 2022, GAC #300 and GAC #400 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. Following the 12-hour shut-down of the vessels, GAC #300 and GAC #400 were brought back on-line. Time sequenced MIC samples were collected from GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the vessels and startup on 11

October 2022. 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 OCTOBER 2022**

October 20, 2022

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

RE: Project: NYAW - MERRICK OPS 10/4  
Pace Project No.: 70231862

Dear Robert Gregory:

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

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

- Pace Analytical Services - Melville

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 10/4

Pace Project No.: 70231862

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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 10/4

Pace Project No.: 70231862

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70231862001	GAC-3S/4S(SEAMAN NECK GAC E.)	Drinking Water	10/04/22 09:40	10/04/22 11:00
70231862002	GAC-3S/4S(SEAMAN NECKGAC E.)-D	Drinking Water	10/04/22 09:45	10/04/22 11:00
70231862003	WELL 3A N-14347(INFLUENT )	Drinking Water	10/04/22 09:25	10/04/22 11:00
70231862004	WELL 4 N-09338 (INFLUENT )	Drinking Water	10/04/22 09:10	10/04/22 11:00

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### SAMPLE ANALYTE COUNT

Project: NYAW - MERRICK OPS 10/4

Pace Project No.: 70231862

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70231862001	GAC-3S/4S(SEAMAN NECK GAC E.)	EPA 522	AI1	2
		EPA 524.2	KGG	62
70231862002	GAC-3S/4S(SEAMAN NECKGAC E.)-D	EPA 524.2	KGG	62
70231862003	WELL 3A N-14347(INFLUENT )	EPA 522	AI1	2
		EPA 524.2	KGG	62
70231862004	WELL 4 N-09338 (INFLUENT )	EPA 522	AI1	2
		EPA 524.2	KGG	62

PACE-MV = Pace Analytical Services - Melville

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### ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4

Sample Project No.: 70231862

**Sample:** GAC-3S/4S(SEAMAN NECK GAC E.)      **Lab ID:** 70231862001      Collected: 10/04/22 09:40      Received: 10/04/22 11:00      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)	1.9	ug/L	0.020		1	10/17/22 15:13	10/19/22 15:53	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	92	%	70-130		1	10/17/22 15:13	10/19/22 15:53		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		10/13/22 00:37	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		10/13/22 00:37	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		10/13/22 00:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		10/13/22 00:37	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		10/13/22 00:37	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		10/13/22 00:37	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		10/13/22 00:37	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		10/13/22 00:37	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		10/13/22 00:37	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5	1	10/13/22 00:37	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100	1	10/13/22 00:37	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		10/13/22 00:37	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		10/13/22 00:37	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		10/13/22 00:37	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		10/13/22 00:37	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		10/13/22 00:37	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		10/13/22 00:37	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		10/13/22 00:37	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		10/13/22 00:37	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		10/13/22 00:37	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		10/13/22 00:37	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		10/13/22 00:37	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		10/13/22 00:37	75-71-8	L2
1,1-Dichloroethane	<0.50	ug/L	0.50		1		10/13/22 00:37	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		10/13/22 00:37	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		10/13/22 00:37	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		10/13/22 00:37	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		10/13/22 00:37	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		10/13/22 00:37	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		10/13/22 00:37	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		10/13/22 00:37	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		10/13/22 00:37	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		10/13/22 00:37	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		10/13/22 00:37	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		10/13/22 00:37	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		10/13/22 00:37	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		10/13/22 00:37	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		10/13/22 00:37	99-87-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4

Pace Project No.: 70231862

**Sample:** GAC-3S/4S(SEAMAN NECK GAC E.)      **Lab ID:** 70231862001      Collected: 10/04/22 09:40      Received: 10/04/22 11:00      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		10/13/22 00:37	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		10/13/22 00:37	1634-04-4	L1
n-Propylbenzene	<0.50	ug/L	0.50		1		10/13/22 00:37	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		10/13/22 00:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		10/13/22 00:37	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		10/13/22 00:37	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		10/13/22 00:37	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		10/13/22 00:37	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		10/13/22 00:37		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		10/13/22 00:37	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		10/13/22 00:37	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		10/13/22 00:37	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		10/13/22 00:37	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		10/13/22 00:37	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		10/13/22 00:37	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		10/13/22 00:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		10/13/22 00:37	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		10/13/22 00:37	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		10/13/22 00:37	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		10/13/22 00:37	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		10/13/22 00:37	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		10/13/22 00:37	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		10/13/22 00:37	2199-69-1	
4-Bromofluorobenzene (S)	102	%	70-130		1		10/13/22 00:37	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4

Pace Project No.: 70231862

Sample: **GAC-3S/4S(SEAMAN NECKGAC E.)-D** Lab ID: **70231862002** Collected: 10/04/22 09:45 Received: 10/04/22 11:00 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	10/13/22 01:04	71-43-2	
Bromobenzene	<0.50	ug/L	0.50			1	10/13/22 01:04	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50			1	10/13/22 01:04	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80		1	10/13/22 01:04	75-27-4	
Bromoform	<0.50	ug/L	0.50	80		1	10/13/22 01:04	75-25-2	
Bromomethane	<0.50	ug/L	0.50			1	10/13/22 01:04	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50			1	10/13/22 01:04	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50			1	10/13/22 01:04	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50			1	10/13/22 01:04	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5		1	10/13/22 01:04	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100		1	10/13/22 01:04	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50			1	10/13/22 01:04	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50			1	10/13/22 01:04	75-00-3	
Chloroform	<0.50	ug/L	0.50	80		1	10/13/22 01:04	67-66-3	
Chloromethane	<0.50	ug/L	0.50			1	10/13/22 01:04	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50			1	10/13/22 01:04	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50			1	10/13/22 01:04	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80		1	10/13/22 01:04	124-48-1	
Dibromomethane	<0.50	ug/L	0.50			1	10/13/22 01:04	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600		1	10/13/22 01:04	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50			1	10/13/22 01:04	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75		1	10/13/22 01:04	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50			1	10/13/22 01:04	75-71-8	L2
1,1-Dichloroethane	<0.50	ug/L	0.50			1	10/13/22 01:04	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5		1	10/13/22 01:04	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7		1	10/13/22 01:04	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70		1	10/13/22 01:04	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100		1	10/13/22 01:04	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5		1	10/13/22 01:04	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50			1	10/13/22 01:04	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50			1	10/13/22 01:04	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50			1	10/13/22 01:04	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50			1	10/13/22 01:04	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50			1	10/13/22 01:04	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700		1	10/13/22 01:04	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50			1	10/13/22 01:04	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50			1	10/13/22 01:04	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50			1	10/13/22 01:04	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50	5		1	10/13/22 01:04	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50			1	10/13/22 01:04	1634-04-4	L1
n-Propylbenzene	<0.50	ug/L	0.50			1	10/13/22 01:04	103-65-1	
Styrene	<0.50	ug/L	0.50	100		1	10/13/22 01:04	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50			1	10/13/22 01:04	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50			1	10/13/22 01:04	79-34-5	

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## ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4

Pace Project No.: 70231862

**Sample:** GAC-3S/4S(SEAMAN NECKGAC E.)-D      **Lab ID:** 70231862002      Collected: 10/04/22 09:45      Received: 10/04/22 11:00      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		10/13/22 01:04	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		10/13/22 01:04	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		10/13/22 01:04		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		10/13/22 01:04	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		10/13/22 01:04	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		10/13/22 01:04	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		10/13/22 01:04	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		10/13/22 01:04	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		10/13/22 01:04	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		10/13/22 01:04	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		10/13/22 01:04	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:04	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:04	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		10/13/22 01:04	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		10/13/22 01:04	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		10/13/22 01:04	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	88	%	70-130		1		10/13/22 01:04	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		10/13/22 01:04	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4  
Pace Project No.: 70231862

**Sample: WELL 3A N-14347(INFLUENT)**      **Lab ID: 70231862003**      Collected: 10/04/22 09:25      Received: 10/04/22 11:00      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)	2.2	ug/L	0.020		1	10/17/22 15:13	10/19/22 16:09	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	91	%	70-130		1	10/17/22 15:13	10/19/22 16:09		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50	5	1		10/13/22 01:31	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		10/13/22 01:31	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		10/13/22 01:31	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		10/13/22 01:31	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		10/13/22 01:31	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		10/13/22 01:31	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:31	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:31	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:31	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		10/13/22 01:31	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		10/13/22 01:31	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		10/13/22 01:31	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		10/13/22 01:31	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		10/13/22 01:31	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		10/13/22 01:31	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		10/13/22 01:31	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		10/13/22 01:31	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		10/13/22 01:31	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		10/13/22 01:31	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		10/13/22 01:31	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		10/13/22 01:31	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		10/13/22 01:31	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		10/13/22 01:31	75-71-8	L2
1,1-Dichloroethane	<0.50	ug/L	0.50		1		10/13/22 01:31	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		10/13/22 01:31	107-06-2	
1,1-Dichloroethene	0.71	ug/L	0.50	7	1		10/13/22 01:31	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		10/13/22 01:31	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		10/13/22 01:31	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		10/13/22 01:31	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		10/13/22 01:31	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		10/13/22 01:31	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		10/13/22 01:31	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		10/13/22 01:31	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		10/13/22 01:31	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		10/13/22 01:31	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		10/13/22 01:31	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		10/13/22 01:31	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		10/13/22 01:31	99-87-6	

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### ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4

Pace Project No.: 70231862

**Sample:** WELL 3A N-14347(INFLUENT)      **Lab ID:** 70231862003      Collected: 10/04/22 09:25      Received: 10/04/22 11:00      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		10/13/22 01:31	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		10/13/22 01:31	1634-04-4	L1
n-Propylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:31	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		10/13/22 01:31	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		10/13/22 01:31	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		10/13/22 01:31	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		10/13/22 01:31	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		10/13/22 01:31	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		10/13/22 01:31		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		10/13/22 01:31	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		10/13/22 01:31	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		10/13/22 01:31	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		10/13/22 01:31	79-00-5	
Trichloroethene	26.3	ug/L	0.50	5	1		10/13/22 01:31	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		10/13/22 01:31	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		10/13/22 01:31	96-18-4	
1,1,2-Trichlorotrifluoroethane	1.2	ug/L	0.50		1		10/13/22 01:31	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:31	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:31	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		10/13/22 01:31	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		10/13/22 01:31	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		10/13/22 01:31	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	92	%	70-130		1		10/13/22 01:31	2199-69-1	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/13/22 01:31	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4

Pace Project No.: 70231862

**Sample: WELL 4 N-09338 (INFLUENT)**      **Lab ID: 70231862004**      Collected: 10/04/22 09:10      Received: 10/04/22 11:00      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	10/17/22 15:13	10/19/22 16:26	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	91	%	70-130		1	10/17/22 15:13	10/19/22 16:26		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		10/13/22 01:57	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		10/13/22 01:57	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		10/13/22 01:57	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		10/13/22 01:57	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		10/13/22 01:57	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		10/13/22 01:57	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:57	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:57	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:57	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5	1	10/13/22 01:57	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100	1	10/13/22 01:57	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		10/13/22 01:57	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		10/13/22 01:57	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		10/13/22 01:57	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		10/13/22 01:57	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		10/13/22 01:57	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		10/13/22 01:57	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		10/13/22 01:57	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		10/13/22 01:57	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		10/13/22 01:57	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		10/13/22 01:57	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		10/13/22 01:57	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		10/13/22 01:57	75-71-8	L2
1,1-Dichloroethane	<0.50	ug/L	0.50		1		10/13/22 01:57	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		10/13/22 01:57	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		10/13/22 01:57	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		10/13/22 01:57	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		10/13/22 01:57	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		10/13/22 01:57	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		10/13/22 01:57	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		10/13/22 01:57	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		10/13/22 01:57	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		10/13/22 01:57	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		10/13/22 01:57	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		10/13/22 01:57	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		10/13/22 01:57	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		10/13/22 01:57	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		10/13/22 01:57	99-87-6	

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### ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4

Pace Project No.: 70231862

**Sample: WELL 4 N-09338 (INFLUENT)**      **Lab ID: 70231862004**      Collected: 10/04/22 09:10      Received: 10/04/22 11:00      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		10/13/22 01:57	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		10/13/22 01:57	1634-04-4	L1
n-Propylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:57	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		10/13/22 01:57	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		10/13/22 01:57	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		10/13/22 01:57	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		10/13/22 01:57	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		10/13/22 01:57	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		10/13/22 01:57		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		10/13/22 01:57	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		10/13/22 01:57	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		10/13/22 01:57	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		10/13/22 01:57	79-00-5	
Trichloroethene	2.5	ug/L	0.50	5	1		10/13/22 01:57	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		10/13/22 01:57	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		10/13/22 01:57	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		10/13/22 01:57	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:57	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		10/13/22 01:57	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		10/13/22 01:57	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		10/13/22 01:57	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		10/13/22 01:57	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	86	%	70-130		1		10/13/22 01:57	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		10/13/22 01:57	460-00-4	

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### QUALITY CONTROL DATA

Project: NYAW - MERRICK OPS 10/4

Pace Project No.: 70231862

QC Batch: 277512

Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2

Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70231862001, 70231862002, 70231862003, 70231862004

METHOD BLANK: 1402418

Matrix: Water

Associated Lab Samples: 70231862001, 70231862002, 70231862003, 70231862004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	10/12/22 17:21	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
1,1-Dichloroethene	ug/L	<0.50	0.50	10/12/22 17:21	
1,1-Dichloropropene	ug/L	<0.50	0.50	10/12/22 17:21	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	10/12/22 17:21	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
1,2-Dichloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
1,2-Dichloropropane	ug/L	<0.50	0.50	10/12/22 17:21	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
1,3-Dichloropropane	ug/L	<0.50	0.50	10/12/22 17:21	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
2,2-Dichloropropane	ug/L	<0.50	0.50	10/12/22 17:21	
2-Chlorotoluene	ug/L	<0.50	0.50	10/12/22 17:21	
4-Chlorotoluene	ug/L	<0.50	0.50	10/12/22 17:21	
Benzene	ug/L	<0.50	0.50	10/12/22 17:21	
Bromobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
Bromochloromethane	ug/L	<0.50	0.50	10/12/22 17:21	
Bromodichloromethane	ug/L	<0.50	0.50	10/12/22 17:21	
Bromoform	ug/L	<0.50	0.50	10/12/22 17:21	
Bromomethane	ug/L	<0.50	0.50	10/12/22 17:21	
Carbon tetrachloride	ug/L	<0.50	0.50	10/12/22 17:21	
Chlorobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
Chlorodifluoromethane	ug/L	<0.50	0.50	10/12/22 17:21	N3
Chloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
Chloroform	ug/L	<0.50	0.50	10/12/22 17:21	
Chloromethane	ug/L	<0.50	0.50	10/12/22 17:21	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	10/12/22 17:21	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	10/12/22 17:21	
Dibromochloromethane	ug/L	<0.50	0.50	10/12/22 17:21	
Dibromomethane	ug/L	<0.50	0.50	10/12/22 17:21	
Dichlorodifluoromethane	ug/L	<0.50	0.50	10/12/22 17:21	
Ethylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW - MERRICK OPS 10/4  
Pace Project No.: 70231862

METHOD BLANK: 1402418 Matrix: Water  
Associated Lab Samples: 70231862001, 70231862002, 70231862003, 70231862004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	10/12/22 17:21	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	10/12/22 17:21	
m&p-Xylene	ug/L	<0.50	0.50	10/12/22 17:21	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	10/12/22 17:21	
Methylene Chloride	ug/L	<0.50	0.50	10/12/22 17:21	
n-Butylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	
n-Propylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	
o-Xylene	ug/L	<0.50	0.50	10/12/22 17:21	
p-Isopropyltoluene	ug/L	<0.50	0.50	10/12/22 17:21	
sec-Butylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	
Styrene	ug/L	<0.50	0.50	10/12/22 17:21	
tert-Butylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	
Tetrachloroethene	ug/L	<0.50	0.50	10/12/22 17:21	
Toluene	ug/L	<0.50	0.50	10/12/22 17:21	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	10/12/22 17:21	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	10/12/22 17:21	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	10/12/22 17:21	
Trichloroethene	ug/L	<0.50	0.50	10/12/22 17:21	
Trichlorofluoromethane	ug/L	<0.50	0.50	10/12/22 17:21	
Vinyl chloride	ug/L	<0.50	0.50	10/12/22 17:21	
1,2-Dichlorobenzene-d4 (S)	%	89	70-130	10/12/22 17:21	
4-Bromofluorobenzene (S)	%	93	70-130	10/12/22 17:21	

LABORATORY CONTROL SAMPLE: 1402419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.5	95	70-130	
1,1,1-Trichloroethane	ug/L	10	8.8	88	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	11.2	112	70-130	
1,1,2-Trichloroethane	ug/L	10	10.4	104	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	11.8	118	70-130	IH,N3
1,1-Dichloroethane	ug/L	10	10.2	102	70-130	
1,1-Dichloroethene	ug/L	10	8.7	87	70-130	
1,1-Dichloropropene	ug/L	10	8.1	81	70-130	
1,2,3-Trichlorobenzene	ug/L	10	8.7	87	70-130	
1,2,3-Trichloropropane	ug/L	10	10.9	109	70-130	
1,2,4-Trichlorobenzene	ug/L	10	8.6	86	70-130	
1,2,4-Trimethylbenzene	ug/L	10	8.1	81	70-130	
1,2-Dichlorobenzene	ug/L	10	9.0	90	70-130	
1,2-Dichloroethane	ug/L	10	12.2	122	70-130	
1,2-Dichloropropane	ug/L	10	10.5	105	70-130	
1,3,5-Trimethylbenzene	ug/L	10	7.8	78	70-130	
1,3-Dichlorobenzene	ug/L	10	8.6	86	70-130	
1,3-Dichloropropane	ug/L	10	10.7	107	70-130	

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### QUALITY CONTROL DATA

Project: NYAW - MERRICK OPS 10/4

Pace Project No.: 70231862

LABORATORY CONTROL SAMPLE: 1402419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	8.5	85	70-130	
2,2-Dichloropropane	ug/L	10	7.1	71	70-130	
2-Chlorotoluene	ug/L	10	8.9	89	70-130	
4-Chlorotoluene	ug/L	10	8.4	84	70-130	
Benzene	ug/L	10	9.8	98	70-130	
Bromobenzene	ug/L	10	8.9	89	70-130	
Bromochloromethane	ug/L	10	10.3	103	70-130	
Bromodichloromethane	ug/L	10	10.2	102	70-130	
Bromoform	ug/L	10	11.7	117	70-130	
Bromomethane	ug/L	10	10	100	70-130	
Carbon tetrachloride	ug/L	10	8.0	80	70-130	
Chlorobenzene	ug/L	10	9.1	91	70-130	
Chlorodifluoromethane	ug/L	10	14.4	144	70-130	IH,L1,N3
Chloroethane	ug/L	10	11.5	115	70-130	
Chloroform	ug/L	10	10.6	106	70-130	
Chloromethane	ug/L	10	9.8	98	70-130	
cis-1,2-Dichloroethene	ug/L	10	9.5	95	70-130	
cis-1,3-Dichloropropene	ug/L	10	10.1	101	70-130	
Dibromochloromethane	ug/L	10	10.3	103	70-130	
Dibromomethane	ug/L	10	10.6	106	70-130	
Dichlorodifluoromethane	ug/L	10	4.9	49	70-130	L2
Ethylbenzene	ug/L	10	8.1	81	70-130	
Hexachloro-1,3-butadiene	ug/L	10	7.7	77	70-130	
Isopropylbenzene (Cumene)	ug/L	10	7.5	75	70-130	
m&p-Xylene	ug/L	20	16.0	80	70-130	
Methyl-tert-butyl ether	ug/L	10	14.2	142	70-130	L1
Methylene Chloride	ug/L	10	10.8	108	70-130	
n-Butylbenzene	ug/L	10	8.6	86	70-130	
n-Propylbenzene	ug/L	10	7.9	79	70-130	
o-Xylene	ug/L	10	8.4	84	70-130	
p-Isopropyltoluene	ug/L	10	7.3	73	70-130	
sec-Butylbenzene	ug/L	10	7.4	74	70-130	
Styrene	ug/L	10	8.5	85	70-130	
tert-Butylbenzene	ug/L	10	8.4	84	70-130	
Tetrachloroethene	ug/L	10	7.3	73	70-130	
Toluene	ug/L	10	9.0	90	70-130	
Total Trihalomethanes (Calc.)	ug/L		42.8			
trans-1,2-Dichloroethene	ug/L	10	8.7	87	70-130	
trans-1,3-Dichloropropene	ug/L	10	11.1	111	70-130	
Trichloroethene	ug/L	10	8.7	87	70-130	
Trichlorofluoromethane	ug/L	10	8.1	81	70-130	
Vinyl chloride	ug/L	10	8.7	87	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	

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### QUALITY CONTROL DATA

Project: NYAW - MERRICK OPS 10/4  
Pace Project No.: 70231862

SAMPLE DUPLICATE: 1402910

Parameter	Units	70231870001 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	<0.50	<0.50		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	0.76	<0.50		20	N3
Chloroethane	ug/L	<0.50	<0.50		20	
Chloroform	ug/L	0.55	0.65	17	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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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW - MERRICK OPS 10/4

Pace Project No.: 70231862

SAMPLE DUPLICATE: 1402910

Parameter	Units	70231870001 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	0.55	0.65	17	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	<0.50	<0.50		20	
Trichlorofluoromethane	ug/L	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	86	91		20	
4-Bromofluorobenzene (S)	%	88	100		20	

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### QUALITY CONTROL DATA

Project: NYAW - MERRICK OPS 10/4

Pace Project No.: 70231862

QC Batch:	278105	Analysis Method:	EPA 522
QC Batch Method:	EPA 522	Analysis Description:	522 MSS 1,4 Dioxane
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70231862001, 70231862003, 70231862004

METHOD BLANK: 1405412 Matrix: Drinking Water

Associated Lab Samples: 70231862001, 70231862003, 70231862004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	10/19/22 12:30	
1,4-Dioxane-d8 (S)	%	94	70-130	10/19/22 12:30	

LABORATORY CONTROL SAMPLE: 1405413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	2	1.9	93	70-130	
1,4-Dioxane-d8 (S)	%			90	70-130	

MATRIX SPIKE SAMPLE: 1405414

Parameter	Units	70231844002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	2	1.9	93	70-130	
1,4-Dioxane-d8 (S)	%				94	70-130	

SAMPLE DUPLICATE: 1405415

Parameter	Units	70231846002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	<0.020		30	
1,4-Dioxane-d8 (S)	%	92	89		30	

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## QUALIFIERS

Project: NYAW - MERRICK OPS 10/4

Pace Project No.: 70231862

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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.

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

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

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW - MERRICK OPS 10/4

Pace Project No.: 70231862

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70231862001	GAC-3S/4S(SEAMAN NECK GAC E.)	EPA 522	278105	EPA 522	278296
70231862003	WELL 3A N-14347(INFLUENT )	EPA 522	278105	EPA 522	278296
70231862004	WELL 4 N-09338 (INFLUENT )	EPA 522	278105	EPA 522	278296
70231862001	GAC-3S/4S(SEAMAN NECK GAC E.)	EPA 524.2	277512		
70231862002	GAC-3S/4S(SEAMAN NECKGAC E.)-D	EPA 524.2	277512		
70231862003	WELL 3A N-14347(INFLUENT )	EPA 524.2	277512		
70231862004	WELL 4 N-09338 (INFLUENT )	EPA 524.2	277512		

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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:**

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

Section B

**Required Project Information:**

Report To:	Robert Gregory
Copy To:	NCDOH
Purchase Order #:	02607-005
Project Name:	NYAW-MERRICK OPS FACILITY
Project #:	02607-005

Section C

**Invoice Information:**

Attention:	Accounts Payable
Company Name:	KOMAN Government Solutions, LLC
Address:	accountspayable@komang.com
Quote:	
Project Manager:	Kimberly Mack@Pacelabs.com
Profile #:	

Regulatory Agency

State / Location

NY

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -)	MATRIX CODE (see valid codes to left)		COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	Analyses Test	POC (VOCs by 524.2) 1,4-dioxane (522)	Residual Chlorine (Y/N)							
		Drinking Water	DW	Water	WT	Waste Water	WW			Product	PO	Sol/Solid	SL	Oil	OL	Wipe					WP	Alc	AL	Other	OT	Tissue	TS
		DATE	TIME	DATE	TIME	Unpreserved	H2SO4			HNO3	HCl	NaOH	Na2S2O3	Methanol	Other												
1	GAC-3S/4S (Seaman Neck GAC Effluent)	DW	G			10/4/22	9:40	4						X	X												
2	GAC-3S/4S (Seaman Neck GAC Effluent)-D	DW	G			10/4/22	9:45	2						X													
3	Well 3A N-14347 (Influent)	DW	G			10/4/22	9:15	4						X	X												
4	Well 4 N-09338 (Influent)	DW	G			10/4/22	9:10	4						X	X												
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<i>Randy Hoffmaster</i>	10/4/22		<i>John P. L. I.</i>	10/4/22	11:00	0.3	Y	N	Y

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice <input type="checkbox"/> (Y/N)	Custody Sealed <input type="checkbox"/> (Y/N)	Cooled <input type="checkbox"/> (Y/N)	Samples Intact <input type="checkbox"/> (Y/N)
PRINT Name of SAMPLER: Randy Hoffmaster						
SIGNATURE of SAMPLER: <i>Randy Hoffmaster</i>	DATE Signed: 10/4/2022					

**ATTACHMENT 2**

**MIC ANALYTICAL RESULTS FOR OCTOBER 2022**

October 06, 2022

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

RE: Project: NYAW-MERRICK OPS BACT 10/3  
Pace Project No.: 70231719

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on October 03, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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 BACT 10/3

Pace Project No.: 70231719

---

### **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 BACT 10/3  
Pace Project No.: 70231719

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70231719001	N-09338 (SEAMAN NECK 4 WELL)-0	Drinking Water	10/03/22 09:50	10/03/22 12:05
70231719002	N-09338 (SEAMAN NECK 4 WELL)-2	Drinking Water	10/03/22 09:52	10/03/22 12:05
70231719003	N-09338 (SEAMAN NECK 4 WELL)-5	Drinking Water	10/03/22 09:55	10/03/22 12:05
70231719004	N-09338 (SEAMAN NECK4 WELL)-10	Drinking Water	10/03/22 10:00	10/03/22 12:05
70231719005	N-09338 (SEAMAN NECK4 WELL)-30	Drinking Water	10/03/22 10:20	10/03/22 12:05
70231719006	N-09338(SEAMAN NECK4 WELL)-30D	Drinking Water	10/03/22 10:22	10/03/22 12:05

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS BACT 10/3

Pace Project No.: 70231719

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70231719001	N-09338 (SEAMAN NECK 4 WELL)-0	SM22 9223B Colilert	SDO	2
70231719002	N-09338 (SEAMAN NECK 4 WELL)-2	SM22 9223B Colilert	SDO	2
70231719003	N-09338 (SEAMAN NECK 4 WELL)-5	SM22 9223B Colilert	SDO	2
70231719004	N-09338 (SEAMAN NECK4 WELL)-10	SM22 9223B Colilert	SDO	2
70231719005	N-09338 (SEAMAN NECK4 WELL)-30	SM22 9223B Colilert	SDO	2
70231719006	N-09338(SEAMAN NECK4 WELL)-30D	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/3

Pace Project No.: 70231719

---

**Sample: N-09338 (SEAMAN NECK 4 WELL)-0**    **Lab ID: 70231719001**    Collected: 10/03/22 09:50    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/3

Pace Project No.: 70231719

**Sample: N-09338 (SEAMAN NECK 4 WELL)-2**    **Lab ID: 70231719002**    Collected: 10/03/22 09:52    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/3

Pace Project No.: 70231719

---

**Sample: N-09338 (SEAMAN NECK 4 WELL)-5**    **Lab ID: 70231719003**    Collected: 10/03/22 09:55    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/3

Pace Project No.: 70231719

---

**Sample: N-09338 (SEAMAN NECK4 WELL)-10**    **Lab ID: 70231719004**    Collected: 10/03/22 10:00    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/3

Pace Project No.: 70231719

---

**Sample: N-09338 (SEAMAN NECK4 WELL)-30**    **Lab ID: 70231719005**    Collected: 10/03/22 10:20    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/3

Pace Project No.: 70231719

---

**Sample:** N-09338(SEAMAN NECK4 WELL)-30D    **Lab ID:** 70231719006    Collected: 10/03/22 10:22    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS BACT 10/3

Pace Project No.: 70231719

---

QC Batch:	276410	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: 70231719001, 70231719002, 70231719003, 70231719004, 70231719005, 70231719006

---

METHOD BLANK: 1396927

Matrix: Drinking Water

Associated Lab Samples: 70231719001, 70231719002, 70231719003, 70231719004, 70231719005, 70231719006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		10/04/22 11:30	
Total Coliforms		Absent		10/04/22 11:30	

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 OPS BACT 10/3

Pace Project No.: 70231719

---

### 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 BACT 10/3

Pace Project No.: 70231719

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70231719001	N-09338 (SEAMAN NECK 4 WELL)-0	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231719002	N-09338 (SEAMAN NECK 4 WELL)-2	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231719003	N-09338 (SEAMAN NECK 4 WELL)-5	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231719004	N-09338 (SEAMAN NECK4 WELL)-10	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231719005	N-09338 (SEAMAN NECK4 WELL)-30	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231719006	N-09338(SEAMAN NECK4 WELL)-30D	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615

### REPORT OF LABORATORY ANALYSIS

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# WO#: 70231719



70231719

## 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  
 Exton, PA  
 Email: RGregory@koman.com  
 Phone: (610) 400-0636 Fax  
 Requested Due Date:

### Section B

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

### Section C

**Invoice Information:**  
 Attention: Accounts Payable  
 Company Name: KOMAN Government Solutions, LLC  
 Address: accounts payable@koman.com  
 Pace Quote:  
 Pace Project Manager: Kimberley Mackay@koman.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	CODED	SAMPLE TYPE (see valid codes to left)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analyses Test Colliert (Fecal/Ecoli)	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
					DATE	TIME	DATE	TIME			Unpreserved	H2SO4	HN03	HCl	NaOH	Na2S2O3	Methanol	Other			
1	N-09338 (Seaman Neck 4 Well)-0	DW	G			10.3.22	9:15		1	X									X		
2	N-09338 (Seaman Neck 4 Well)-2	DW	G			10.3.22	9:52		1	X									X		
3	N-09338 (Seaman Neck 4 Well)-5	DW	G			10.3.22	9:53		1	X									X		
4	N-09338 (Seaman Neck 4 Well)-10	DW	G			10.3.22	10:00		1	X									X		
6	N-09338 (Seaman Neck 4 Well)-30	DW	G			10.3.22	10:30		1	X									X		
6	N-09338 (Seaman Neck 4 Well)-30D	DW	G			10.3.20	10:28		1	X									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>	10.3.22		<i>[Signature]</i>	10/3/22	12:05	0.6 W N F

<b>SAMPLER NAME AND SIGNATURE</b>		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>						







Sample Condition Upon Receipt

Client Name: KGS Project

**WO#: 70231719**

PM: **KMM** Due Date: **10/10/22**  
 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: TH148 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)

Date and Initials of person examining contents: 10/3/22 SH

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

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

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

			COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input 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	Initial when completed: Lot # of added preservative: Date/Time preservative added:
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis			
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. 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:

October 06, 2022

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

RE: Project: NYAW-MERRICK OPS 10/3  
Pace Project No.: 70231741

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on October 03, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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 10/3

Pace Project No.: 70231741

---

### **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 10/3

Pace Project No.: 70231741

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70231741001	GAC-3S/4S-VESSEL#500-0	Drinking Water	10/03/22 10:40	10/03/22 12:05
70231741002	GAC-3S/4S-VESSEL#500-2	Drinking Water	10/03/22 10:42	10/03/22 12:05
70231741003	GAC-3S/4S-VESSEL#500-5	Drinking Water	10/03/22 10:45	10/03/22 12:05
70231741004	GAC-3S/4S-VESSEL#500-10	Drinking Water	10/03/22 10:50	10/03/22 12:05
70231741005	GAC-3S/4S-VESSEL#500-30	Drinking Water	10/03/22 11:10	10/03/22 12:05
70231741006	GAC-3S/4S-VESSEL#600-0	Drinking Water	10/03/22 11:20	10/03/22 12:05
70231741007	GAC-3S/4S-VESSEL#600-2	Drinking Water	10/03/22 11:22	10/03/22 12:05
70231741008	GAC-3S/4S-VESSEL#600-5	Drinking Water	10/03/22 11:25	10/03/22 12:05
70231741009	GAC-3S/4S-VESSEL#600-10	Drinking Water	10/03/22 11:30	10/03/22 12:05
70231741010	GAC-3S/4S-VESSEL#600-30	Drinking Water	10/03/22 11:50	10/03/22 12:05

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS 10/3

Pace Project No.: 70231741

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70231741001	GAC-3S/4S-VESSEL#500-0	SM22 9223B Colilert	SDO	2
70231741002	GAC-3S/4S-VESSEL#500-2	SM22 9223B Colilert	SDO	2
70231741003	GAC-3S/4S-VESSEL#500-5	SM22 9223B Colilert	SDO	2
70231741004	GAC-3S/4S-VESSEL#500-10	SM22 9223B Colilert	SDO	2
70231741005	GAC-3S/4S-VESSEL#500-30	SM22 9223B Colilert	SDO	2
70231741006	GAC-3S/4S-VESSEL#600-0	SM22 9223B Colilert	SDO	2
70231741007	GAC-3S/4S-VESSEL#600-2	SM22 9223B Colilert	SDO	2
70231741008	GAC-3S/4S-VESSEL#600-5	SM22 9223B Colilert	SDO	2
70231741009	GAC-3S/4S-VESSEL#600-10	SM22 9223B Colilert	SDO	2
70231741010	GAC-3S/4S-VESSEL#600-30	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3

Pace Project No.: 70231741

**Sample: GAC-3S/4S-VESSEL#500-0**    **Lab ID: 70231741001**    Collected: 10/03/22 10:40    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3

Pace Project No.: 70231741

---

**Sample: GAC-3S/4S-VESSEL#500-2    Lab ID: 70231741002    Collected: 10/03/22 10:42    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3

Pace Project No.: 70231741

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**Sample: GAC-3S/4S-VESSEL#500-5    Lab ID: 70231741003    Collected: 10/03/22 10:45    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3

Pace Project No.: 70231741

---

**Sample:** GAC-3S/4S-VESSEL#500-10    **Lab ID:** 70231741004    Collected: 10/03/22 10:50    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3

Pace Project No.: 70231741

---

**Sample:** GAC-3S/4S-VESSEL#500-30    **Lab ID:** 70231741005    Collected: 10/03/22 11:10    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3

Pace Project No.: 70231741

---

**Sample: GAC-3S/4S-VESSEL#600-0**    **Lab ID: 70231741006**    Collected: 10/03/22 11:20    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3

Pace Project No.: 70231741

---

**Sample: GAC-3S/4S-VESSEL#600-2    Lab ID: 70231741007    Collected: 10/03/22 11:22    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3

Pace Project No.: 70231741

**Sample: GAC-3S/4S-VESSEL#600-5**    **Lab ID: 70231741008**    Collected: 10/03/22 11:25    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3

Pace Project No.: 70231741

---

**Sample:** GAC-3S/4S-VESSEL#600-10    **Lab ID:** 70231741009    Collected: 10/03/22 11:30    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3

Pace Project No.: 70231741

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**Sample:** GAC-3S/4S-VESSEL#600-30    **Lab ID:** 70231741010    Collected: 10/03/22 11:50    Received: 10/03/22 12:05    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	10/03/22 17:30	10/04/22 11:30		
E.coli	<b>Absent</b>				1	10/03/22 17:30	10/04/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS 10/3

Pace Project No.: 70231741

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QC Batch:	276410	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: 70231741001, 70231741002, 70231741003, 70231741004, 70231741005, 70231741006, 70231741007, 70231741008, 70231741009, 70231741010

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METHOD BLANK:	1396927	Matrix:	Drinking Water
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Associated Lab Samples: 70231741001, 70231741002, 70231741003, 70231741004, 70231741005, 70231741006, 70231741007, 70231741008, 70231741009, 70231741010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		10/04/22 11:30	
Total Coliforms		Absent		10/04/22 11:30	

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 OPS 10/3

Pace Project No.: 70231741

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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 10/3

Pace Project No.: 70231741

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70231741001	GAC-3S/4S-VESSEL#500-0	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741002	GAC-3S/4S-VESSEL#500-2	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741003	GAC-3S/4S-VESSEL#500-5	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741004	GAC-3S/4S-VESSEL#500-10	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741005	GAC-3S/4S-VESSEL#500-30	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741006	GAC-3S/4S-VESSEL#600-0	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741007	GAC-3S/4S-VESSEL#600-2	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741008	GAC-3S/4S-VESSEL#600-5	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741009	GAC-3S/4S-VESSEL#600-10	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741010	GAC-3S/4S-VESSEL#600-30	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615

**REPORT OF LABORATORY ANALYSIS**

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# WO#: 70231741



## CHAIN-OF-CUSTODY / Analytical Request Document

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

### Project Information:

### Section C

### Invoice Information:

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

**Project Name:** NYAW-MERRICK OPS FACILITY  
**Project #:** 02607-204  
**Copy To:** NCDOSH  
**Project Lead:** Robert Gregory  
**Purchase Order #:** 02607-204

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

Page : 1 Of 1

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

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, -, ) Sample IDs must be unique	MATRIX Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	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 Y/N	Requested Analysis Filtered (Y/N)												
						DATE	TIME	DATE	TIME													Colliert (Fecal/Ecolit)												
1	GAC-3S/4S-Vessel#500-0	DW	G								1	X								X														
2	GAC-3S/4S-Vessel#500-2	DW	G								1	X								X														
3	GAC-3S/4S-Vessel#500-5	DW	G								1	X								X														
4	GAC-3S/4S-Vessel#500-10	DW	G								1	X								X														
5	GAC-3S/4S-Vessel#500-30	DW	G								1	X								X														
6		DW	G								1	X								X														
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
		Randy Hoffmaster		10-3-22		DW/M		10/3/22	12:05	0.6	W	N	7

<b>SAMPLER NAME AND SIGNATURE</b>		EMP in C received on e (/N) velocity rained cooler (/N) amples act (/N)
PRINT Name of SAMPLER: Randy Hoffmaster		
SIGNATURE of SAMPLER:		
DATE Signed: 10-3-22		



# CHAIN-OF-CUSTODY / Analytical Request Document

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

### Required Client Information:

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

### Section B

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

### Section C

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

ITEM #	SAMPLE ID <small>One Character per box. (A-Z, 0-9 / , -) Sample IDs must be unique</small>	MATRIX CODE <small>(see valid codes to left)</small>	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H2SO4 HNO3 HCl NaOH Na2S2O3 Methanol Other	Y/N	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)						
				START		END						Analyses Test Collett (Fecal/Ecoli)																
				DATE	TIME	DATE	TIME																					
1	GAC-3S/4S-Vessel#600-0	DW	G			10.3.22	11:20	1	X																			
2	GAC-3S/4S-Vessel#600-2	DW	G			10.3.22	11:22	1	X																			
3	GAC-3S/4S-Vessel#600-5	DW	G			10.3.22	11:25	1	X																			
4	GAC-3S/4S-Vessel#600-10	DW	G			10.3.22	11:30	1	X																			
5	GAC-3S/4S-Vessel#600-30	DW	G			10.3.22	11:50	1	X																			
6																												
7																												
8																												
9																												
10																												
11																												
12																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		<i>R Hoffmaster</i>			<i>R Hoffmaster</i>	10/3/22	12:05

SAMPLER NAME AND SIGNATURE  
 PRINT Name of SAMPLER: Randy Hoffmaster  
 SIGNATURE of SAMPLER: *Randy Hoffmaster*  
 DATE Signed: 10.3.2022

EMP In C  
 received on  
 (Y/N)  
 history  
 alod  
 roller  
 (Y/N)  
 mples  
 tct  
 (Y/N)





Sample Condition Upon Receipt

**WO#: 70231741**  
**PM: KMM**      **Due Date: 10/10/22**  
**CLIENT: KGS**

Client Name: KGS      Project: \_\_\_\_\_

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

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

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

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: TH148      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)

Date and Initials of person examining contents: 10/3/22 SH

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 type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID, Matrix: <u>SL (WT/OIL)</u>		
All containers needing preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <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 #		
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 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: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

October 18, 2022

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

RE: Project: NYAW-MERRICK OPS 10/11  
Pace Project No.: 70232905

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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 10/11

Pace Project No.: 70232905

---

### **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 10/11

Pace Project No.: 70232905

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70232905001	GAC-3S/4S- VESSEL #300-0	Drinking Water	10/11/22 08:40	10/11/22 11:38
70232905002	GAC-3S/4S- VESSEL #300-2	Drinking Water	10/11/22 08:42	10/11/22 11:38
70232905003	GAC-3S/4S- VESSEL #300-5	Drinking Water	10/11/22 08:45	10/11/22 11:38
70232905004	GAC-3S/4S- VESSEL #300-10	Drinking Water	10/11/22 08:50	10/11/22 11:38
70232905005	GAC-3S/4S- VESSEL #300-30	Drinking Water	10/11/22 09:10	10/11/22 11:38

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS 10/11  
Pace Project No.: 70232905

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70232905001	GAC-3S/4S- VESSEL #300-0	SM22 9223B Colilert	SDO	2
70232905002	GAC-3S/4S- VESSEL #300-2	SM22 9223B Colilert	SDO	2
70232905003	GAC-3S/4S- VESSEL #300-5	SM22 9223B Colilert	SDO	2
70232905004	GAC-3S/4S- VESSEL #300-10	SM22 9223B Colilert	SDO	2
70232905005	GAC-3S/4S- VESSEL #300-30	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/11

Pace Project No.: 70232905

---

**Sample:** GAC-3S/4S- VESSEL #300-0    **Lab ID:** 70232905001    Collected: 10/11/22 08:40    Received: 10/11/22 11:38    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	10/11/22 17:55	10/12/22 11:55		
E.coli	<b>Absent</b>				1	10/11/22 17:55	10/12/22 11:55		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/11

Pace Project No.: 70232905

**Sample:** GAC-3S/4S- VESSEL #300-2    **Lab ID:** 70232905002    Collected: 10/11/22 08:42    Received: 10/11/22 11:38    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	10/11/22 17:55	10/12/22 11:55		
E.coli	<b>Absent</b>				1	10/11/22 17:55	10/12/22 11:55		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/11

Pace Project No.: 70232905

**Sample:** GAC-3S/4S- VESSEL #300-5    **Lab ID:** 70232905003    Collected: 10/11/22 08:45    Received: 10/11/22 11:38    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	10/11/22 17:55	10/12/22 11:55		
E.coli	<b>Absent</b>				1	10/11/22 17:55	10/12/22 11:55		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/11

Pace Project No.: 70232905

---

**Sample:** GAC-3S/4S- VESSEL #300-10    **Lab ID:** 70232905004    Collected: 10/11/22 08:50    Received: 10/11/22 11:38    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	10/11/22 17:55	10/12/22 11:55		
E.coli	<b>Absent</b>				1	10/11/22 17:55	10/12/22 11:55		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/11

Pace Project No.: 70232905

---

**Sample:** GAC-3S/4S- VESSEL #300-30    **Lab ID:** 70232905005    Collected: 10/11/22 09:10    Received: 10/11/22 11:38    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	10/11/22 17:55	10/12/22 11:55		
E.coli	<b>Absent</b>				1	10/11/22 17:55	10/12/22 11:55		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS 10/11

Pace Project No.: 70232905

QC Batch: 277478

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: 70232905001, 70232905002, 70232905003, 70232905004, 70232905005

METHOD BLANK: 1402196

Matrix: Drinking Water

Associated Lab Samples: 70232905001, 70232905002, 70232905003, 70232905004, 70232905005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		10/12/22 11:55	
Total Coliforms		Absent		10/12/22 11:55	

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 10/11  
Pace Project No.: 70232905

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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 10/11

Pace Project No.: 70232905

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70232905001	GAC-3S/4S- VESSEL #300-0	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232905002	GAC-3S/4S- VESSEL #300-2	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232905003	GAC-3S/4S- VESSEL #300-5	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232905004	GAC-3S/4S- VESSEL #300-10	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232905005	GAC-3S/4S- VESSEL #300-30	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058

### REPORT OF LABORATORY ANALYSIS

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

WO#: 70232905



70232905

**Section A**

**Required Client Information:**

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

**Section B**

**Required Project Information:**

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

**Section C**

**Invoice Information:**

Attention: Accounts Payable	Company Name: KOMAN Government Solutions, LLC
Address: accountspayable@komangs.com	
Pace Quote:	Pace Project Manager: Kimberlev.Mack@Pacelabs.com
Pace Profile #:	

Page: 1 Of 1

Regulatory Agency  
State / Location NY

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample IDs must be unique	MATRIX Drinking Water Water Waste Water Product Sol/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL QL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test Y/N	Requested Analysis Filtered (Y/N)										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					10/11/22	8:40	1	X							X													
2	GAC-3S/4S-Vessel#300-2	DW	G					10/11/22	8:42	1	X							X													
3	GAC-3S/4S-Vessel#300-5	DW	G					10/11/22	8:45	1	X							X													
4	GAC-3S/4S-Vessel#300-10	DW	G					10/11/22	8:50	1	X							X													
5	GAC-3S/4S-Vessel#300-30	DW	G					10/11/22	9:10	1	X							X													
6																															
7																															
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Randy Hoffmaster	10/11/22		CAU PC LT	10/11/22	11:38	L2 (W) N/A Y

<b>SAMPLER NAME AND SIGNATURE</b>		TEMP In C	received on	(/N)	custody	sealed	cooler	(/N)	samples	act	(/N)
PRINT Name of SAMPLER: Randy Hoffmaster											
SIGNATURE of SAMPLER:		DATE Signed: 10-11-22									





Sample Condition Upon Receipt

**WO#: 70232905**

Client Name: KGS

Project #

PM: KMM

Due Date: 10/18/22

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

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: \_\_\_\_\_

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> Yes <input checked="" 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 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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #		
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____		

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

Field Data Required? Y / N

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

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

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

October 18, 2022

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

RE: Project: NYAW-MERRICK OPS BACT 10/11  
Pace Project No.: 70232909

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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 BACT 10/11

Pace Project No.: 70232909

---

### **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 BACT 10/11

Pace Project No.: 70232909

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70232909001	GAC-3S/4S-VESSEL#400-0	Drinking Water	10/11/22 09:20	10/11/22 11:38
70232909002	GAC-3S/4S-VESSEL#400-2	Drinking Water	10/11/22 09:22	10/11/22 11:38
70232909003	GAC-3S/4S-VESSEL#400-5	Drinking Water	10/11/22 09:25	10/11/22 11:38
70232909004	GAC-3S/4S-VESSEL#400-10	Drinking Water	10/11/22 09:30	10/11/22 11:38
70232909005	GAC-3S/4S-VESSEL#400-30	Drinking Water	10/11/22 09:50	10/11/22 11:38

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS BACT 10/11

Pace Project No.: 70232909

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70232909001	GAC-3S/4S-VESSEL#400-0	SM22 9223B Colilert	SDO	2
70232909002	GAC-3S/4S-VESSEL#400-2	SM22 9223B Colilert	SDO	2
70232909003	GAC-3S/4S-VESSEL#400-5	SM22 9223B Colilert	SDO	2
70232909004	GAC-3S/4S-VESSEL#400-10	SM22 9223B Colilert	SDO	2
70232909005	GAC-3S/4S-VESSEL#400-30	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/11

Pace Project No.: 70232909

**Sample: GAC-3S/4S-VESSEL#400-0**    **Lab ID: 70232909001**    Collected: 10/11/22 09:20    Received: 10/11/22 11:38    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	10/11/22 17:55	10/12/22 11:55		
E.coli	<b>Absent</b>				1	10/11/22 17:55	10/12/22 11:55		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/11

Pace Project No.: 70232909

**Sample: GAC-3S/4S-VESSEL#400-2**    **Lab ID: 70232909002**    Collected: 10/11/22 09:22    Received: 10/11/22 11:38    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	10/11/22 17:55	10/12/22 11:55		
E.coli	<b>Absent</b>				1	10/11/22 17:55	10/12/22 11:55		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/11

Pace Project No.: 70232909

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**Sample: GAC-3S/4S-VESSEL#400-5    Lab ID: 70232909003    Collected: 10/11/22 09:25    Received: 10/11/22 11:38    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	10/11/22 17:55	10/12/22 11:55		
E.coli	<b>Absent</b>				1	10/11/22 17:55	10/12/22 11:55		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/11

Pace Project No.: 70232909

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**Sample:** GAC-3S/4S-VESSEL#400-10    **Lab ID:** 70232909004    Collected: 10/11/22 09:30    Received: 10/11/22 11:38    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	10/11/22 17:55	10/12/22 11:55		
E.coli	<b>Absent</b>				1	10/11/22 17:55	10/12/22 11:55		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/11

Pace Project No.: 70232909

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**Sample:** GAC-3S/4S-VESSEL#400-30    **Lab ID:** 70232909005    Collected: 10/11/22 09:50    Received: 10/11/22 11:38    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	10/11/22 17:55	10/12/22 11:55		
E.coli	<b>Absent</b>				1	10/11/22 17:55	10/12/22 11:55		

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### QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS BACT 10/11

Pace Project No.: 70232909

QC Batch: 277478

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: 70232909001, 70232909002, 70232909003, 70232909004, 70232909005

METHOD BLANK: 1402196

Matrix: Drinking Water

Associated Lab Samples: 70232909001, 70232909002, 70232909003, 70232909004, 70232909005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		10/12/22 11:55	
Total Coliforms		Absent		10/12/22 11:55	

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 OPS BACT 10/11

Pace Project No.: 70232909

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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 BACT 10/11

Pace Project No.: 70232909

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70232909001	GAC-3S/4S-VESSEL#400-0	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232909002	GAC-3S/4S-VESSEL#400-2	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232909003	GAC-3S/4S-VESSEL#400-5	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232909004	GAC-3S/4S-VESSEL#400-10	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232909005	GAC-3S/4S-VESSEL#400-30	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058

### REPORT OF LABORATORY ANALYSIS

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# WO#: 70232909

PM: KMM

Due Date: 10/18/22

Client: **KGS**

Profile # **5456**

Use Point Number Spreadsheet

CLIENT: KGS

WORK ORDER: **NYAW-MERRICK OPS BALT 10/11** Notes

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC						
1																																																									
2																																																									
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Container Codes

Glass		Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber	BP4U	125mL unpreserved
VG9C	40mL Ascorbic-HCl	AG3U	250mL unpres amber	BP3U	250mL unpreserved
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber	BP2U	500mL unpreserved
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber	BP1U	1L unpreserved plastic
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL	BP4N	125mL HNO3 plastic
DG9Y	40mL Citrate-Na	AG3S	250mL H2SO4 amber	BP3N	250mL HNO3 plastic
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber	BP2N	500mL HNO3 plastic
DG9A	Ascorbic/Maleic Acid	AG3T	250mL Na Thio amber	BP3S	250mL H2SO4 plastic
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue)	BP2S	500mL H2SO4 plastic
DG9S	Ammonium Cl/CuSO4	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma
		AG1A	1L Ammonium Chloride	BP35	250mL Ammonium
WG9O	8oz clear soil jar			BP3R	250mL NH4SO4-
WG4O	4oz clear soil jar			BP1Z	1L NaOH, Zn Acetate
				BP1N	1L HNO3 plastic
				BP1B	Na Thiosulfate Amber

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium
AG2U	500mL unpres amber

\* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC		
DG9T	40mL Na Thio amber	2
DG9A	40mL Ascorbic acid	2
DG9Y	Citrate/Na Thiosulfate	2
DG6T	Na Thiosulfate 60mL vial	1
AG3U	250mL unpres amber	
AG3T	Na Thiosulfate 250mL	
BP1B	Na Thiosulfate Amber	
AG1T	Na Thiosulfate 1L	2
AG1A	(NH4CL)	2

Additional Comments



Sample Condition Upon Receipt

Client Name: KGS

Pr

WO#: 70232909

PM: KMM

Due Date: 10/18/22

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

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

Date and Initials of person examining contents: SH 10/11/22

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 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: <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?	<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).		Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #		Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #		
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: \_\_\_\_\_

Field Data Required? Y / N

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

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

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