



3 October 2023

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

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

Dear Mr. Sokolowski,

The Full Scale Liquid-Phase Granular Activated Carbon (GAC) Treatment System is located at the Liberty New York Water (LNYW) 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. 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 September 2023 and present the associated analytical results.

### **Sampling Requirements**

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

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

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

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

## **September 2023 Sampling Summary**

### **Monthly POC Sampling**

On 1 September, monthly POC samples were collected from the GAC system influent, Well No. 3A, 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 September 2023. **Table 1**, below, presents the trichloroethene (TCE) analytical results. TCE was not detected in the GAC effluent or GAC effluent duplicate samples. Results for TCE are in compliance with NCDH requirements.

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

<b>Date</b>	<b>Well 3A Raw</b> [N-14347 (Seaman Neck 3A Well)]	<b>Well 4S Raw</b> [N-09338 (Seaman Neck 4S Well)]	<b>Effluent from GAC System</b> [GAC-3S/4S (Seaman Neck GAC Effluent)]	<b>Effluent from GAC System (Duplicate)</b> [GAC-3S/4S (Seaman Neck GAC Effluent)-D]
09/01/2023	14.9	2.6	ND	ND

Notes:

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

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

### **Quarterly Microbiological (MIC) Sampling – 2023 Q3**

On 19 September 2023, 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 #500 were brought back on-line. Time sequenced MIC samples were collected from the GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the vessels on 19 September 2023. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

On 25 September 2023, GAC #300 and GAC #400 were taken off-line for a minimum required 12-hour period prior to collecting the quarterly MIC samples. Well No. 4S and the other four GAC vessels continued to operate. Following the 12-hour shut-down, GAC #300 and GAC #400 were brought back on-line. Time sequenced MIC samples were collected from Well No. 3A and the GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the GAC vessels on 25

September 2023. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

On 27 September 2023, GAC #100 and GAC #200 were taken off-line for a minimum required 12-hour period prior to collecting the quarterly MIC samples. Well No. 4S and the other four GAC vessels continued to operate. Well No. 3A is typically not online during non-peak load periods and is required to be turned on to facilitate sampling. Following the 12-hour shut-down, GAC #100 and GAC #200 were brought back on-line. Time sequenced MIC samples were collected from Well No. 4S and the GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the GAC vessels on 27 September 2023. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

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

Sincerely,  
**KOMAN Government Solutions, LLC**



Robert Gregory, P.G.  
Project Manager

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

**ATTACHMENT 1**

**POC ANALYTICAL RESULTS FOR SEPTEMBER 2023**



September 11, 2023

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

RE: Project: NYAW-MERRICK OPS POC/1,4D 9/1  
Pace Project No.: 70269098

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on September 01, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

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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 POC/1,4D 9/1

Pace Project No.: 70269098

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70269098001	GAC-3S/4S (SEAMAN NECK GAC EFF)	Drinking Water	09/01/23 09:00	09/01/23 10:50
70269098002	GAC-3S/4S (SEAMAN NECK GAC E-D)	Drinking Water	09/01/23 09:10	09/01/23 10:50
70269098003	N-14347 (INFLUENT)	Drinking Water	09/01/23 09:25	09/01/23 10:50
70269098004	N-09338 (INFLUENT)	Drinking Water	09/01/23 09:40	09/01/23 10:50

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
70269098001	GAC-3S/4S (SEAMAN NECK GAC EFF)	EPA 522	SPM	2
		EPA 524.2	KGG	62
70269098002	GAC-3S/4S (SEAMAN NECK GAC E-D)	EPA 524.2	KGG	62
70269098003	N-14347 (INFLUENT)	EPA 522	SPM	2
		EPA 524.2	KGG	62
70269098004	N-09338 (INFLUENT)	EPA 522	SPM	2
		EPA 524.2	KGG	62

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PACE-MV = Pace Analytical Services - Melville

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

**Sample:** GAC-3S/4S (SEAMAN NECK GAC EFF)      **Lab ID:** 70269098001      Collected: 09/01/23 09:00      Received: 09/01/23 10:50      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	2.1	ug/L	0.020		1	09/07/23 08:41	09/07/23 20:09	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	99	%	70-130		1	09/07/23 08:41	09/07/23 20:09		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50	5	1		09/08/23 15:30	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		09/08/23 15:30	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		09/08/23 15:30	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		09/08/23 15:30	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		09/08/23 15:30	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		09/08/23 15:30	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		09/08/23 15:30	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		09/08/23 15:30	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		09/08/23 15:30	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		09/08/23 15:30	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		09/08/23 15:30	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		09/08/23 15:30	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		09/08/23 15:30	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		09/08/23 15:30	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		09/08/23 15:30	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		09/08/23 15:30	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		09/08/23 15:30	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		09/08/23 15:30	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		09/08/23 15:30	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		09/08/23 15:30	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		09/08/23 15:30	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		09/08/23 15:30	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		09/08/23 15:30	75-71-8	IL,L2
1,1-Dichloroethane	<0.50	ug/L	0.50		1		09/08/23 15:30	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		09/08/23 15:30	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		09/08/23 15:30	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		09/08/23 15:30	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		09/08/23 15:30	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		09/08/23 15:30	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		09/08/23 15:30	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		09/08/23 15:30	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		09/08/23 15:30	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		09/08/23 15:30	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		09/08/23 15:30	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		09/08/23 15:30	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		09/08/23 15:30	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		09/08/23 15:30	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		09/08/23 15:30	99-87-6	

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

Sample: **GAC-3S/4S (SEAMAN NECK GAC EFF)** Lab ID: **70269098001** Collected: 09/01/23 09:00 Received: 09/01/23 10:50 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		09/08/23 15:30	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		09/08/23 15:30	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		09/08/23 15:30	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		09/08/23 15:30	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		09/08/23 15:30	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		09/08/23 15:30	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		09/08/23 15:30	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		09/08/23 15:30	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		09/08/23 15:30		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		09/08/23 15:30	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		09/08/23 15:30	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		09/08/23 15:30	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		09/08/23 15:30	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		09/08/23 15:30	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		09/08/23 15:30	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		09/08/23 15:30	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		09/08/23 15:30	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		09/08/23 15:30	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		09/08/23 15:30	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		09/08/23 15:30	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		09/08/23 15:30	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		09/08/23 15:30	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	77	%	70-130		1		09/08/23 15:30	2199-69-1	
4-Bromofluorobenzene (S)	96	%	70-130		1		09/08/23 15:30	460-00-4	

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

Sample: GAC-3S/4S (SEAMAN NECK GAC E-D) Lab ID: 70269098002 Collected: 09/01/23 09:10 Received: 09/01/23 10:50 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		09/08/23 15:57	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		09/08/23 15:57	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		09/08/23 15:57	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		09/08/23 15:57	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		09/08/23 15:57	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		09/08/23 15:57	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		09/08/23 15:57	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		09/08/23 15:57	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		09/08/23 15:57	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		09/08/23 15:57	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		09/08/23 15:57	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		09/08/23 15:57	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		09/08/23 15:57	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		09/08/23 15:57	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		09/08/23 15:57	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		09/08/23 15:57	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		09/08/23 15:57	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		09/08/23 15:57	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		09/08/23 15:57	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		09/08/23 15:57	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		09/08/23 15:57	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		09/08/23 15:57	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		09/08/23 15:57	75-71-8	IL,L2
1,1-Dichloroethane	<0.50	ug/L	0.50		1		09/08/23 15:57	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		09/08/23 15:57	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		09/08/23 15:57	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		09/08/23 15:57	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		09/08/23 15:57	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		09/08/23 15:57	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		09/08/23 15:57	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		09/08/23 15:57	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		09/08/23 15:57	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		09/08/23 15:57	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		09/08/23 15:57	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		09/08/23 15:57	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		09/08/23 15:57	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		09/08/23 15:57	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		09/08/23 15:57	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50	5	1		09/08/23 15:57	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		09/08/23 15:57	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		09/08/23 15:57	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		09/08/23 15:57	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		09/08/23 15:57	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		09/08/23 15:57	79-34-5	

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

Sample: **GAC-3S/4S (SEAMAN NECK GAC E-D)** Lab ID: **70269098002** Collected: 09/01/23 09:10 Received: 09/01/23 10:50 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		09/08/23 15:57	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		09/08/23 15:57	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		09/08/23 15:57		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		09/08/23 15:57	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		09/08/23 15:57	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		09/08/23 15:57	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		09/08/23 15:57	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		09/08/23 15:57	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		09/08/23 15:57	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		09/08/23 15:57	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		09/08/23 15:57	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		09/08/23 15:57	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		09/08/23 15:57	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		09/08/23 15:57	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		09/08/23 15:57	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		09/08/23 15:57	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	85	%	70-130		1		09/08/23 15:57	2199-69-1	
4-Bromofluorobenzene (S)	102	%	70-130		1		09/08/23 15:57	460-00-4	

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

Sample: N-14347 (INFLUENT)	Lab ID: 70269098003	Collected: 09/01/23 09:25	Received: 09/01/23 10:50	Matrix: Drinking Water					
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>		Analytical Method: EPA 522 Preparation Method: EPA 522 Pace Analytical Services - Melville							
1,4-Dioxane (p-Dioxane)	2.5	ug/L	0.020		1	09/07/23 08:41	09/07/23 20:26	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	96	%	70-130		1	09/07/23 08:41	09/07/23 20:26		
<b>524.2 MSV</b>		Analytical Method: EPA 524.2 Pace Analytical Services - Melville							
Benzene	<0.50	ug/L	0.50		5		09/08/23 16:23	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		09/08/23 16:23	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		09/08/23 16:23	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		09/08/23 16:23	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		09/08/23 16:23	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		09/08/23 16:23	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		09/08/23 16:23	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		09/08/23 16:23	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		09/08/23 16:23	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5		09/08/23 16:23	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		09/08/23 16:23	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		09/08/23 16:23	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		09/08/23 16:23	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		09/08/23 16:23	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		09/08/23 16:23	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		09/08/23 16:23	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		09/08/23 16:23	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		09/08/23 16:23	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		09/08/23 16:23	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		09/08/23 16:23	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		09/08/23 16:23	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		09/08/23 16:23	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		09/08/23 16:23	75-71-8	IL,L2
1,1-Dichloroethane	<0.50	ug/L	0.50		1		09/08/23 16:23	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		5		09/08/23 16:23	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50		7		09/08/23 16:23	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		09/08/23 16:23	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		09/08/23 16:23	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		5		09/08/23 16:23	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		09/08/23 16:23	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		09/08/23 16:23	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		09/08/23 16:23	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		09/08/23 16:23	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		09/08/23 16:23	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		09/08/23 16:23	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		09/08/23 16:23	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		09/08/23 16:23	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		09/08/23 16:23	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50		5		09/08/23 16:23	75-09-2	

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**ANALYTICAL RESULTS**

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

Sample: N-14347 (INFLUENT) Lab ID: 70269098003 Collected: 09/01/23 09:25 Received: 09/01/23 10:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		09/08/23 16:23	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		09/08/23 16:23	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		09/08/23 16:23	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		09/08/23 16:23	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		09/08/23 16:23	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		5	1	09/08/23 16:23	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		09/08/23 16:23	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50		80	1	09/08/23 16:23		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		09/08/23 16:23	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		09/08/23 16:23	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		09/08/23 16:23	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		09/08/23 16:23	79-00-5	
Trichloroethene	14.9	ug/L	0.50		5	1	09/08/23 16:23	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		09/08/23 16:23	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		09/08/23 16:23	96-18-4	
1,1,2-Trichlorotrifluoroethane	0.63	ug/L	0.50		1		09/08/23 16:23	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		09/08/23 16:23	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		09/08/23 16:23	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		2	1	09/08/23 16:23	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		09/08/23 16:23	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		09/08/23 16:23	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	81	%	70-130		1		09/08/23 16:23	2199-69-1	
4-Bromofluorobenzene (S)	99	%	70-130		1		09/08/23 16:23	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

Sample: N-09338 (INFLUENT) Lab ID: 70269098004 Collected: 09/01/23 09:40 Received: 09/01/23 10:50 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	09/07/23 08:41	09/07/23 20:44	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	88	%	70-130		1	09/07/23 08:41	09/07/23 20:44		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		09/08/23 16:49	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		09/08/23 16:49	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		09/08/23 16:49	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		09/08/23 16:49	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		09/08/23 16:49	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		09/08/23 16:49	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		09/08/23 16:49	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		09/08/23 16:49	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		09/08/23 16:49	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5		09/08/23 16:49	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		09/08/23 16:49	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		09/08/23 16:49	75-45-6	L1,N3
Chloroethane	<0.50	ug/L	0.50		1		09/08/23 16:49	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		09/08/23 16:49	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		09/08/23 16:49	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		09/08/23 16:49	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		09/08/23 16:49	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		09/08/23 16:49	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		09/08/23 16:49	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		09/08/23 16:49	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		09/08/23 16:49	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		09/08/23 16:49	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		09/08/23 16:49	75-71-8	IL,L2
1,1-Dichloroethane	<0.50	ug/L	0.50		1		09/08/23 16:49	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		5		09/08/23 16:49	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50		7		09/08/23 16:49	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		09/08/23 16:49	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		09/08/23 16:49	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		5		09/08/23 16:49	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		09/08/23 16:49	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		09/08/23 16:49	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		09/08/23 16:49	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		09/08/23 16:49	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		09/08/23 16:49	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		09/08/23 16:49	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		09/08/23 16:49	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		09/08/23 16:49	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		09/08/23 16:49	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50		5		09/08/23 16:49	75-09-2	

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

Sample: N-09338 (INFLUENT) Lab ID: 70269098004 Collected: 09/01/23 09:40 Received: 09/01/23 10:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		09/08/23 16:49	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		09/08/23 16:49	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		09/08/23 16:49	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		09/08/23 16:49	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		09/08/23 16:49	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		5	1	09/08/23 16:49	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		09/08/23 16:49	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50		80	1	09/08/23 16:49		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		09/08/23 16:49	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		09/08/23 16:49	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		09/08/23 16:49	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		09/08/23 16:49	79-00-5	
Trichloroethene	2.6	ug/L	0.50		5	1	09/08/23 16:49	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		09/08/23 16:49	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		09/08/23 16:49	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		09/08/23 16:49	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		09/08/23 16:49	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		09/08/23 16:49	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		2	1	09/08/23 16:49	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		09/08/23 16:49	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		09/08/23 16:49	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	83	%	70-130		1		09/08/23 16:49	2199-69-1	
4-Bromofluorobenzene (S)	104	%	70-130		1		09/08/23 16:49	460-00-4	

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## QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

QC Batch: 319459

Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2

Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70269098001, 70269098002, 70269098003, 70269098004

METHOD BLANK: 1627560

Matrix: Water

Associated Lab Samples: 70269098001, 70269098002, 70269098003, 70269098004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	09/08/23 08:19	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	09/08/23 08:19	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	09/08/23 08:19	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	09/08/23 08:19	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	09/08/23 08:19	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	09/08/23 08:19	
1,1-Dichloroethene	ug/L	<0.50	0.50	09/08/23 08:19	
1,1-Dichloropropene	ug/L	<0.50	0.50	09/08/23 08:19	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	09/08/23 08:19	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	09/08/23 08:19	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	09/08/23 08:19	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	09/08/23 08:19	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	09/08/23 08:19	
1,2-Dichloroethane	ug/L	<0.50	0.50	09/08/23 08:19	
1,2-Dichloropropane	ug/L	<0.50	0.50	09/08/23 08:19	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	09/08/23 08:19	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	09/08/23 08:19	
1,3-Dichloropropane	ug/L	<0.50	0.50	09/08/23 08:19	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	09/08/23 08:19	
2,2-Dichloropropane	ug/L	<0.50	0.50	09/08/23 08:19	
2-Chlorotoluene	ug/L	<0.50	0.50	09/08/23 08:19	
4-Chlorotoluene	ug/L	<0.50	0.50	09/08/23 08:19	
Benzene	ug/L	<0.50	0.50	09/08/23 08:19	
Bromobenzene	ug/L	<0.50	0.50	09/08/23 08:19	
Bromochloromethane	ug/L	<0.50	0.50	09/08/23 08:19	
Bromodichloromethane	ug/L	<0.50	0.50	09/08/23 08:19	
Bromoform	ug/L	<0.50	0.50	09/08/23 08:19	
Bromomethane	ug/L	<0.50	0.50	09/08/23 08:19	
Carbon tetrachloride	ug/L	<0.50	0.50	09/08/23 08:19	
Chlorobenzene	ug/L	<0.50	0.50	09/08/23 08:19	
Chlorodifluoromethane	ug/L	<0.50	0.50	09/08/23 08:19	N3
Chloroethane	ug/L	<0.50	0.50	09/08/23 08:19	
Chloroform	ug/L	<0.50	0.50	09/08/23 08:19	
Chloromethane	ug/L	<0.50	0.50	09/08/23 08:19	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	09/08/23 08:19	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	09/08/23 08:19	
Dibromochloromethane	ug/L	<0.50	0.50	09/08/23 08:19	
Dibromomethane	ug/L	<0.50	0.50	09/08/23 08:19	
Dichlorodifluoromethane	ug/L	<0.50	0.50	09/08/23 08:19	
Ethylbenzene	ug/L	<0.50	0.50	09/08/23 08:19	

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## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

METHOD BLANK: 1627560

Matrix: Water

Associated Lab Samples: 70269098001, 70269098002, 70269098003, 70269098004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	09/08/23 08:19	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	09/08/23 08:19	
m&p-Xylene	ug/L	<0.50	0.50	09/08/23 08:19	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	09/08/23 08:19	
Methylene Chloride	ug/L	<0.50	0.50	09/08/23 08:19	
n-Butylbenzene	ug/L	<0.50	0.50	09/08/23 08:19	
n-Propylbenzene	ug/L	<0.50	0.50	09/08/23 08:19	
o-Xylene	ug/L	<0.50	0.50	09/08/23 08:19	
p-Isopropyltoluene	ug/L	<0.50	0.50	09/08/23 08:19	
sec-Butylbenzene	ug/L	<0.50	0.50	09/08/23 08:19	
Styrene	ug/L	<0.50	0.50	09/08/23 08:19	
tert-Butylbenzene	ug/L	<0.50	0.50	09/08/23 08:19	
Tetrachloroethene	ug/L	<0.50	0.50	09/08/23 08:19	
Toluene	ug/L	<0.50	0.50	09/08/23 08:19	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	09/08/23 08:19	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	09/08/23 08:19	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	09/08/23 08:19	
Trichloroethene	ug/L	<0.50	0.50	09/08/23 08:19	
Trichlorofluoromethane	ug/L	<0.50	0.50	09/08/23 08:19	
Vinyl chloride	ug/L	<0.50	0.50	09/08/23 08:19	
1,2-Dichlorobenzene-d4 (S)	%	80	70-130	09/08/23 08:19	
4-Bromofluorobenzene (S)	%	99	70-130	09/08/23 08:19	

LABORATORY CONTROL SAMPLE: 1627561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	8.5	85	70-130	
1,1,1-Trichloroethane	ug/L	10	10	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	10.5	105	70-130	
1,1,2-Trichloroethane	ug/L	10	10	100	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	12.1	121	70-130	N3
1,1-Dichloroethane	ug/L	10	9.0	90	70-130	
1,1-Dichloroethene	ug/L	10	8.5	85	70-130	
1,1-Dichloropropene	ug/L	10	8.9	89	70-130	
1,2,3-Trichlorobenzene	ug/L	10	9.7	97	70-130	
1,2,3-Trichloropropane	ug/L	10	9.4	94	70-130	
1,2,4-Trichlorobenzene	ug/L	10	9.0	90	70-130	
1,2,4-Trimethylbenzene	ug/L	10	9.9	99	70-130	
1,2-Dichlorobenzene	ug/L	10	8.9	89	70-130	
1,2-Dichloroethane	ug/L	10	10.1	101	70-130	
1,2-Dichloropropane	ug/L	10	9.2	92	70-130	
1,3,5-Trimethylbenzene	ug/L	10	10.2	102	70-130	
1,3-Dichlorobenzene	ug/L	10	9.4	94	70-130	
1,3-Dichloropropane	ug/L	10	9.6	96	70-130	

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## QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

LABORATORY CONTROL SAMPLE: 1627561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	9.3	93	70-130	
2,2-Dichloropropane	ug/L	10	9.7	97	70-130	
2-Chlorotoluene	ug/L	10	10.1	101	70-130	
4-Chlorotoluene	ug/L	10	9.9	99	70-130	
Benzene	ug/L	10	9.0	90	70-130	
Bromobenzene	ug/L	10	8.8	88	70-130	
Bromochloromethane	ug/L	10	8.6	86	70-130	
Bromodichloromethane	ug/L	10	9.5	95	70-130	
Bromoform	ug/L	10	7.6	76	70-130	
Bromomethane	ug/L	10	9.5	95	70-130	
Carbon tetrachloride	ug/L	10	8.4	84	70-130	
Chlorobenzene	ug/L	10	9.6	96	70-130	
Chlorodifluoromethane	ug/L	10	13.7	137	70-130	L1,N3
Chloroethane	ug/L	10	9.3	93	70-130	
Chloroform	ug/L	10	9.7	97	70-130	
Chloromethane	ug/L	10	9.9	99	70-130	
cis-1,2-Dichloroethene	ug/L	10	9.3	93	70-130	
cis-1,3-Dichloropropene	ug/L	10	9.7	97	70-130	
Dibromochloromethane	ug/L	10	8.4	84	70-130	
Dibromomethane	ug/L	10	9.6	96	70-130	
Dichlorodifluoromethane	ug/L	10	6.9	69	70-130	L2
Ethylbenzene	ug/L	10	9.7	97	70-130	
Hexachloro-1,3-butadiene	ug/L	10	8.4	84	70-130	
Isopropylbenzene (Cumene)	ug/L	10	9.1	91	70-130	
m&p-Xylene	ug/L	20	19.8	99	70-130	
Methyl-tert-butyl ether	ug/L	10	8.5	85	70-130	
Methylene Chloride	ug/L	10	9.9	99	70-130	
n-Butylbenzene	ug/L	10	10.5	105	70-130	
n-Propylbenzene	ug/L	10	9.8	98	70-130	
o-Xylene	ug/L	10	9.7	97	70-130	
p-Isopropyltoluene	ug/L	10	9.0	90	70-130	
sec-Butylbenzene	ug/L	10	9.8	98	70-130	
Styrene	ug/L	10	10.8	108	70-130	
tert-Butylbenzene	ug/L	10	8.8	88	70-130	
Tetrachloroethene	ug/L	10	8.2	82	70-130	
Toluene	ug/L	10	9.2	92	70-130	
Total Trihalomethanes (Calc.)	ug/L		35.2			
trans-1,2-Dichloroethene	ug/L	10	9.2	92	70-130	
trans-1,3-Dichloropropene	ug/L	10	9.7	97	70-130	
Trichloroethene	ug/L	10	9.4	94	70-130	
Trichlorofluoromethane	ug/L	10	9.5	95	70-130	
Vinyl chloride	ug/L	10	8.2	82	70-130	
1,2-Dichlorobenzene-d4 (S)	%			88	70-130	
4-Bromofluorobenzene (S)	%			108	70-130	

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**QUALITY CONTROL DATA**

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

SAMPLE DUPLICATE: 1628199

Parameter	Units	70269125003 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	2.8	2.9	4	20	
1,1-Dichloroethene	ug/L	1.7	1.9	8	20	
1,1-Dichloropropene	ug/L	<0.50	<0.50		20	
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,3-Trichloropropane	ug/L	<0.50	<0.50		20	
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,4-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,2-Dichloroethane	ug/L	<0.50	<0.50		20	
1,2-Dichloropropane	ug/L	<0.50	<0.50		20	
1,3,5-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,3-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,3-Dichloropropane	ug/L	<0.50	<0.50		20	
1,4-Dichlorobenzene	ug/L	<0.50	<0.50		20	
2,2-Dichloropropane	ug/L	<0.50	<0.50		20	
2-Chlorotoluene	ug/L	<0.50	<0.50		20	
4-Chlorotoluene	ug/L	<0.50	<0.50		20	
Benzene	ug/L	<0.50	<0.50		20	
Bromobenzene	ug/L	<0.50	<0.50		20	
Bromochloromethane	ug/L	<0.50	<0.50		20	
Bromodichloromethane	ug/L	<0.50	<0.50		20	
Bromoform	ug/L	<0.50	<0.50		20	
Bromomethane	ug/L	<0.50	<0.50		20	
Carbon tetrachloride	ug/L	<0.50	<0.50		20	
Chlorobenzene	ug/L	<0.50	<0.50		20	
Chlorodifluoromethane	ug/L	<0.50	<0.50		20	N3
Chloroethane	ug/L	<0.50	<0.50		20	
Chloroform	ug/L	0.77	0.83	8	20	
Chloromethane	ug/L	<0.50	<0.50		20	
cis-1,2-Dichloroethene	ug/L	2.0	2.2	6	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	IL
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 POC/1,4D 9/1

Pace Project No.: 70269098

SAMPLE DUPLICATE: 1628199

Parameter	Units	70269125003 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	37.5	39.8	6	20	
Toluene	ug/L	<0.50	<0.50		20	
Total Trihalomethanes (Calc.)	ug/L	0.77	0.83	8	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	1.9	2.1	10	20	
Trichlorofluoromethane	ug/L	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	77	78		20	
4-Bromofluorobenzene (S)	%	94	98		20	

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**QUALITY CONTROL DATA**

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

QC Batch:	319179	Analysis Method:	EPA 522
QC Batch Method:	EPA 522	Analysis Description:	522 MSS 1,4 Dioxane
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70269098001, 70269098003, 70269098004

METHOD BLANK: 1625961 Matrix: Drinking Water

Associated Lab Samples: 70269098001, 70269098003, 70269098004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	09/08/23 12:14	
1,4-Dioxane-d8 (S)	%	102	70-130	09/08/23 12:14	

LABORATORY CONTROL SAMPLE: 1625962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	4	4.1	103	70-130	E
1,4-Dioxane-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 1625965

Parameter	Units	70268891003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.68	4	4.8	104	70-130	E
1,4-Dioxane-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 1625966

Parameter	Units	70268915003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.14	0.15	4	30	
1,4-Dioxane-d8 (S)	%	92	99		30	

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## QUALIFIERS

Project: NYAW-MERRICK OPS POC/1,4D 9/1

Pace Project No.: 70269098

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### DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

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

IL This analyte exceeded secondary source verification criteria low 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 POC/1,4D 9/1

Pace Project No.: 70269098

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70269098001	GAC-3S/4S (SEAMAN NECK GAC EFF	EPA 522	319179	EPA 522	319405
70269098003	N-14347 (INFLUENT)	EPA 522	319179	EPA 522	319405
70269098004	N-09338 (INFLUENT)	EPA 522	319179	EPA 522	319405
70269098001	GAC-3S/4S (SEAMAN NECK GAC EFF	EPA 524.2	319459		
70269098002	GAC-3S/4S (SEAMAN NECK GAC E-D	EPA 524.2	319459		
70269098003	N-14347 (INFLUENT)	EPA 524.2	319459		
70269098004	N-09338 (INFLUENT)	EPA 524.2	319459		

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# WO#: 70269098



### 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:		Section B Required Project Information:		Section C Invoice Information:	
Company: KOMAN Government Solutions, LLC		Report To: Robert Gregory		Attention: Accounts Payable	
Address: 180 Gordon Dr., Suite 110 Exton, PA		Copy To: NCDOH		Company Name: KOMAN Government Solutions, LLC	
Email: <a href="mailto:RGregory@komangs.com">RGregory@komangs.com</a>		Purchase Order #: 02607-005		Address: <a href="mailto:accountspayable@komangs.com">accountspayable@komangs.com</a>	
Phone: (610) 400-0636 Fax: _____		Project Name: NYAW-MERRICK OPS FACILITY		Pace Project Manager: <a href="mailto:Kimberley.Mack@Pacelabs.com">Kimberley.Mack@Pacelabs.com</a>	
Requested Due Date: _____		Project #: 02607-005		Pace Profile #: _____	

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)		COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analyses Test POC (VOCs by 624.2) 1,4-dioxane (622)	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
		MATRIX CODE	CODE	DATE	TIME	DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			
		Drinking Water	DW																	
		Water	WT																	
1	GAC-3S/4S (Seaman Neck GAC Effluent)	DW	G	9-1-23	9:00			4										X	X	
2	GAC-3S/4S (Seaman Neck GAC Effluent)-D	DW	G	9-1-23	9:10			2										X		
3	Well 3A N-14347 (Influent)	DW	G	9-1-23	9:25			4										X	X	
4	Well 4 N-09338 (Influent)	DW	G	9-1-23	9:40			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>		9-1-23		<i>Angel P.L.L.</i>		9/1/23	10:50	12-4	112	N	Y

Page 21 of 23

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Randy Hoffmaster						
SIGNATURE of SAMPLER: <i>Randy Hoffmaster</i>	DATE Signed: 09.01.2023					



**WO#: 70269098**  
**PM: KMM**      **Due Date: 09/13/23**  
**CLIENT: KGS**

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

Custody Seal on Cooler/Box Present:  Yes  No    Seals intact:  Yes  No    Temperature Blank Present:  Yes  No  
 Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other    Type of Ice: Wet Blue None  
 Thermometer Used: TH196    Correction Factor: -0.4     Samples on ice, cooling process has begun  
 Cooler Temperature (°C): 12.4    Cooler Temperature Corrected (°C): 12.1    Date/Time 5035A kits placed in freezer \_\_\_\_\_  
 Temp should be above freezing to 5.0°C

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

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

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: SH 9/1/23

	COMMENTS:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11.
Filtered volume received for Dissolved tests <input 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/Analysis: Matrix: <u>SL</u> <u>WT</u> OIL OTHER	

Date and Initials of person checking preservation:

All containers needing preservation have been pH paper Lot # All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	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 Sample #
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A KI starch test strips Lot # Residual chlorine strips Lot #	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sul <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Lead Acetate Strips Lot #	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	17.

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

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

**ATTACHMENT 2**

**QUARTERLY MIC ANALYTICAL RESULTS – Q2 2023**



September 21, 2023

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

RE: Project: NYAW-MERRICK OPS BACT SERIES  
Pace Project No.: 70271109

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on September 20, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

A handwritten signature in cursive script that reads "Kimberley Mack".

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

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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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### SAMPLE SUMMARY

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70271109001	GAC-3S/4S-VESSEL#600-0	Drinking Water	09/19/23 18:40	09/20/23 10:40
70271109002	GAC-3S/4S-VESSEL#600-2	Drinking Water	09/19/23 18:42	09/20/23 10:40
70271109003	GAC-3S/4S-VESSEL#600-5	Drinking Water	09/19/23 18:45	09/20/23 10:40
70271109004	GAC-3S/4S-VESSEL#600-10	Drinking Water	09/19/23 18:50	09/20/23 10:40
70271109005	GAC-3S/4S-VESSEL#600-30	Drinking Water	09/19/23 19:10	09/20/23 10:40
70271109006	GAC-3S/4S-VESSEL#500-0	Drinking Water	09/19/23 18:00	09/20/23 10:40
70271109007	GAC-3S/4S-VESSEL#500-2	Drinking Water	09/19/23 18:02	09/20/23 10:40
70271109008	GAC-3S/4S-VESSEL#500-5	Drinking Water	09/19/23 18:05	09/20/23 10:40
70271109009	GAC-3S/4S-VESSEL#500-10	Drinking Water	09/19/23 18:10	09/20/23 10:40
70271109010	GAC-3S/4S-VESSEL#500-30	Drinking Water	09/19/23 18:30	09/20/23 10:40

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
70271109001	GAC-3S/4S-VESSEL#600-0	SM22 9223B Colilert	GML	2
70271109002	GAC-3S/4S-VESSEL#600-2	SM22 9223B Colilert	GML	2
70271109003	GAC-3S/4S-VESSEL#600-5	SM22 9223B Colilert	GML	2
70271109004	GAC-3S/4S-VESSEL#600-10	SM22 9223B Colilert	GML	2
70271109005	GAC-3S/4S-VESSEL#600-30	SM22 9223B Colilert	GML	2
70271109006	GAC-3S/4S-VESSEL#500-0	SM22 9223B Colilert	GML	2
70271109007	GAC-3S/4S-VESSEL#500-2	SM22 9223B Colilert	GML	2
70271109008	GAC-3S/4S-VESSEL#500-5	SM22 9223B Colilert	GML	2
70271109009	GAC-3S/4S-VESSEL#500-10	SM22 9223B Colilert	GML	2
70271109010	GAC-3S/4S-VESSEL#500-30	SM22 9223B Colilert	GML	2

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PACE-MV = Pace Analytical Services - Melville

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

Sample: GAC-3S/4S-VESSEL#600-0 Lab ID: 70271109001 Collected: 09/19/23 18:40 Received: 09/20/23 10:40 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	09/20/23 15:10	09/21/23 09:10		
E.coli	<b>Absent</b>				1	09/20/23 15:10	09/21/23 09:10		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

Sample: GAC-3S/4S-VESSEL#600-2 Lab ID: 70271109002 Collected: 09/19/23 18:42 Received: 09/20/23 10:40 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	09/20/23 15:10	09/21/23 09:10		
E.coli	<b>Absent</b>				1	09/20/23 15:10	09/21/23 09:10		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

Sample: GAC-3S/4S-VESSEL#600-5 Lab ID: 70271109003 Collected: 09/19/23 18:45 Received: 09/20/23 10:40 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	09/20/23 15:10	09/21/23 09:10		
E.coli	<b>Absent</b>				1	09/20/23 15:10	09/21/23 09:10		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

Sample: **GAC-3S/4S-VESSEL#600-10** Lab ID: **70271109004** Collected: 09/19/23 18:50 Received: 09/20/23 10:40 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	09/20/23 15:10	09/21/23 09:10		
E.coli	<b>Absent</b>				1	09/20/23 15:10	09/21/23 09:10		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

Sample: **GAC-3S/4S-VESSEL#600-30** Lab ID: **70271109005** Collected: 09/19/23 19:10 Received: 09/20/23 10:40 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	09/20/23 15:10	09/21/23 09:10		
E.coli	<b>Absent</b>				1	09/20/23 15:10	09/21/23 09:10		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

Sample: GAC-3S/4S-VESSEL#500-0 Lab ID: 70271109006 Collected: 09/19/23 18:00 Received: 09/20/23 10:40 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	09/20/23 15:10	09/21/23 09:10		
E.coli	<b>Absent</b>				1	09/20/23 15:10	09/21/23 09:10		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

Sample: GAC-3S/4S-VESSEL#500-2 Lab ID: 70271109007 Collected: 09/19/23 18:02 Received: 09/20/23 10:40 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	09/20/23 15:10	09/21/23 09:10		
E.coli	<b>Absent</b>				1	09/20/23 15:10	09/21/23 09:10		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

Sample: GAC-3S/4S-VESSEL#500-5 Lab ID: 70271109008 Collected: 09/19/23 18:05 Received: 09/20/23 10:40 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	09/20/23 15:10	09/21/23 09:10		
E.coli	<b>Absent</b>				1	09/20/23 15:10	09/21/23 09:10		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

Sample: **GAC-3S/4S-VESSEL#500-10** Lab ID: **70271109009** Collected: 09/19/23 18:10 Received: 09/20/23 10:40 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	09/20/23 15:10	09/21/23 09:10		
E.coli	<b>Absent</b>				1	09/20/23 15:10	09/21/23 09:10		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

Sample: **GAC-3S/4S-VESSEL#500-30** Lab ID: **70271109010** Collected: 09/19/23 18:30 Received: 09/20/23 10:40 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	09/20/23 15:10	09/21/23 09:10		
E.coli	<b>Absent</b>				1	09/20/23 15:10	09/21/23 09:10		

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### QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

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QC Batch:	320955	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: 70271109001, 70271109002, 70271109003, 70271109004, 70271109005, 70271109006, 70271109007, 70271109008, 70271109009, 70271109010

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METHOD BLANK: 1636260 Matrix: Drinking Water

Associated Lab Samples: 70271109001, 70271109002, 70271109003, 70271109004, 70271109005, 70271109006, 70271109007, 70271109008, 70271109009, 70271109010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		09/21/23 09:10	
Total Coliforms		Absent		09/21/23 09:10	

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 SERIES

Pace Project No.: 70271109

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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.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK OPS BACT SERIES

Pace Project No.: 70271109

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70271109001	GAC-3S/4S-VESSEL#600-0	SM22 9223B Colilert	320955	SM22 9223B Colilert	321074
70271109002	GAC-3S/4S-VESSEL#600-2	SM22 9223B Colilert	320955	SM22 9223B Colilert	321074
70271109003	GAC-3S/4S-VESSEL#600-5	SM22 9223B Colilert	320955	SM22 9223B Colilert	321074
70271109004	GAC-3S/4S-VESSEL#600-10	SM22 9223B Colilert	320955	SM22 9223B Colilert	321074
70271109005	GAC-3S/4S-VESSEL#600-30	SM22 9223B Colilert	320955	SM22 9223B Colilert	321074
70271109006	GAC-3S/4S-VESSEL#500-0	SM22 9223B Colilert	320955	SM22 9223B Colilert	321074
70271109007	GAC-3S/4S-VESSEL#500-2	SM22 9223B Colilert	320955	SM22 9223B Colilert	321074
70271109008	GAC-3S/4S-VESSEL#500-5	SM22 9223B Colilert	320955	SM22 9223B Colilert	321074
70271109009	GAC-3S/4S-VESSEL#500-10	SM22 9223B Colilert	320955	SM22 9223B Colilert	321074
70271109010	GAC-3S/4S-VESSEL#500-30	SM22 9223B Colilert	320955	SM22 9223B Colilert	321074

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WO#: 70271109



70271109

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -)	MATRIX <input type="checkbox"/> Drinking Water <input type="checkbox"/> Water <input type="checkbox"/> Waste Water <input type="checkbox"/> Product <input type="checkbox"/> Soil/Solid <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Air <input type="checkbox"/> Other <input type="checkbox"/> Tissue	CODED 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	Analyses Test Colilert (Fecal/Ecoli)	Residual Chlorine (Y/N)
						START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			
						DATE	TIME	DATE	TIME													
1	GAC-3S/4S-Vessel#500-0	DW	G		G			9/19/23	6:00pm	1	X									X		
2	GAC-3S/4S-Vessel#500-2	DW	G		G			9/19/23	6:02pm	1	X									X		
3	GAC-3S/4S-Vessel#500-5	DW	G		G			9/19/23	6:05pm	1	X									X		
4	GAC-3S/4S-Vessel#500-10	DW	G		G			9/19/23	6:10pm	1	X									X		
5	GAC-3S/4S-Vessel#500-30	DW	G		G			9/19/23	6:30pm	1	X									X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Randy Hoffmaster	9/20/23		Syed P-LZ	10:40	9/20	9-8 W A/Y

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on
PRINT Name of SAMPLER: Randy Hoffmaster			ice <input type="checkbox"/>
SIGNATURE of SAMPLER: <i>Randy Hoffmaster</i>			
DATE Signed: 9-19-2023		Custody <input type="checkbox"/>	Sealed <input type="checkbox"/>
		Cooler <input type="checkbox"/>	Samples Intact <input type="checkbox"/>

WO#: 70271109

PM: KMM  
CLIENT: KGS

Due Date: 09/27/23

CHAIN-OF-CUSTODY / Analytical Request Document

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

Required Client Information:		Required Project Information:		Section C Invoice Information:	
Company:	KOMAN Government Solutions, LLC	Report To:	Robert Gregory	Attention:	Accounts Payable
Address:	180 Gordon Dr., Suite 110 Exton, PA	Copy To:	NCDOH	Company Name:	KOMAN Government Solutions, LLC
Email:	RGregory@komang.com	Purchase Order #:	02607-204	Address:	accountspayable@komang.com
Phone:	(610) 400-0636 Fax	Project Name:	NYAW-MERRICK OPS FACILITY	Pace Quote:	
Requested Due Date:		Project #:	02607-204	Pace Project Manager:	Kimberly.Mack@Pacelabs.com
				Pace 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								Analyses Test Y/N	Residual Chlorine (Y/N)	Requested Analysis Filtered (Y/N)												
		DW	G	START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2SO3	Methanol	Other			Colliert (Fecal/Ecoli)												
				DATE	TIME	DATE	TIME																									
1	GAC-3S/4S-Vessel#600-0	DW	G	9/19/23	6:40 pm	9/19/23	6:40 pm	1	X									X														
2	GAC-3S/4S-Vessel#600-2	DW	G	9/19/23	6:42 pm	9/19/23	6:42 pm	1	X									X														
3	GAC-3S/4S-Vessel#600-5	DW	G	9/19/23	6:45 pm	9/19/23	6:45 pm	1	X									X														
4	GAC-3S/4S-Vessel#600-10	DW	G	9/19/23	6:50 pm	9/19/23	6:50 pm	1	X									X														
5	GAC-3S/4S-Vessel#600-30	DW	G	9/19/23	7:10 pm	9/19/23	7:10 pm	1	X									X														
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>	9/20/23		<i>Paul P-LI</i>	9/20	10:40	9-8 W A / Y

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice <input type="checkbox"/> (Y/N)	Custody Sealed <input type="checkbox"/> (Y/N)	Cooler <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>						





**MO#: 70271109**

PM: KMM  
 Due Date: 09/27/23  
 CLIENT: KGS

Client Name: **KGS**  
 Courier:  Fed Ex  UPS  USPS  Other  
 Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No Temperature Blank Present:  Yes  No  
 Packing Material:  Bubble Wrap  Ziploc  None  Other Type of Ice:  Wet  Blue  None  
 Thermometer Used:  Yes  No Correction Factor: **0.4**  
 Cooler Temperature (C): **9.8** Cooler Temperature Corrected (C): **9.4**  
 Temp should be above freezing to 5°C  
 USDA Regulated Soil (  N/A, water sample)  
 Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX,  
 or VA (check map)?  Yes  No  
 Did samples originate from a foreign source including Hawaii and Puerto Rico?  Yes  No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.  
**Date and Initials of person examining contents: 09/27/23**

1.	Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.	Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4.	Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>N/A</b>
5.	Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6.	Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.	Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
8.	Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9.	Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
10.	-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
11.	Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
12.	Filtered volume received for Dissolved tests:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
13.	Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
14.	-Includes date/time/D/Analysis: Matrix: ST WT OIL OTHER	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**Date and Initials of person checking preservation:**

13.	All containers needing preservation have been pH paper Lot #	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>N/A</b>
14.	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, <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>N/A</b>
15.	Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water), Per Method, VOA pH is checked after analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>N/A</b>
16.	Samples checked for dechlorination: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>N/A</b>
17.	KI starch test strips Lot #	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>N/A</b>
18.	Residual chlorine strips Lot #	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>N/A</b>
19.	SM 4500 CN samples checked for sulfide	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>N/A</b>
20.	Lead Acetate Strips Lot #	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>N/A</b>
21.	Headspace in VOA Vials (>6mm): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>N/A</b>
22.	Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>N/A</b>
23.	Trip Blank Custody Seals Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>N/A</b>

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

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



September 27, 2023

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

RE: Project: NYAW-MERRICK OPS BACT SER 9/25  
Pace Project No.: 70271646

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on September 25, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW-MERRICK OPS BACT SER 9/25

Pace Project No.: 70271646

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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 BACT SER 9/25

Pace Project No.: 70271646

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70271646001	N-14347-SEAMAN NECK 3 WELL 0	Drinking Water	09/25/23 09:10	09/25/23 10:42
70271646002	N-14347-SEAMAN NECK 3 WELL 2	Drinking Water	09/25/23 09:12	09/25/23 10:42
70271646003	N-14347-SEAMAN NECK 3 WELL 5	Drinking Water	09/25/23 09:15	09/25/23 10:42
70271646004	N-14347-SEAMAN NECK 3 WELL 10	Drinking Water	09/25/23 09:20	09/25/23 10:42
70271646005	N-14347-SEAMAN NECK 3 WELL 30	Drinking Water	09/25/23 09:40	09/25/23 10:42
70271646006	N-14347-SEAMAN NECK 3 WELL 30D	Drinking Water	09/25/23 09:42	09/25/23 10:42

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS BACT SER 9/25

Pace Project No.: 70271646

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
70271646001	N-14347-SEAMAN NECK 3 WELL 0	SM22 9223B Colilert	GML	2
70271646002	N-14347-SEAMAN NECK 3 WELL 2	SM22 9223B Colilert	GML	2
70271646003	N-14347-SEAMAN NECK 3 WELL 5	SM22 9223B Colilert	GML	2
70271646004	N-14347-SEAMAN NECK 3 WELL 10	SM22 9223B Colilert	GML	2
70271646005	N-14347-SEAMAN NECK 3 WELL 30	SM22 9223B Colilert	GML	2
70271646006	N-14347-SEAMAN NECK 3 WELL 30D	SM22 9223B Colilert	GML	2

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PACE-MV = Pace Analytical Services - Melville

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SER 9/25

Pace Project No.: 70271646

Sample: **N-14347-SEAMAN NECK 3 WELL 0** Lab ID: **70271646001** Collected: 09/25/23 09:10 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SER 9/25

Pace Project No.: 70271646

Sample: N-14347-SEAMAN NECK 3 Lab ID: 70271646002 Collected: 09/25/23 09:12 Received: 09/25/23 10:42 Matrix: Drinking Water  
WELL 2

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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SER 9/25

Pace Project No.: 70271646

Sample: **N-14347-SEAMAN NECK 3 WELL 5** Lab ID: **70271646003** Collected: 09/25/23 09:15 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SER 9/25

Pace Project No.: 70271646

Sample: **N-14347-SEAMAN NECK 3 WELL 10** Lab ID: **70271646004** Collected: 09/25/23 09:20 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SER 9/25

Pace Project No.: 70271646

Sample: N-14347-SEAMAN NECK 3 WELL 30 Lab ID: 70271646005 Collected: 09/25/23 09:40 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SER 9/25

Pace Project No.: 70271646

Sample: N-14347-SEAMAN NECK 3 Lab ID: 70271646006 Collected: 09/25/23 09:42 Received: 09/25/23 10:42 Matrix: Drinking Water  
WELL 30D

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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS BACT SER 9/25

Pace Project No.: 70271646

---

QC Batch:	321597	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: 70271646001, 70271646002, 70271646003, 70271646004, 70271646005, 70271646006

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METHOD BLANK: 1639727 Matrix: Drinking Water

Associated Lab Samples: 70271646001, 70271646002, 70271646003, 70271646004, 70271646005, 70271646006

---

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		09/26/23 10:45	
Total Coliforms		Absent		09/26/23 10:45	

---

SAMPLE DUPLICATE: 1639728

Parameter	Units	70271704001 Result	Dup Result	RPD	Max RPD	Qualifiers
E.coli		Absent	Absent			
Total Coliforms		Absent	Absent			

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

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: NYAW-MERRICK OPS BACT SER 9/25

Pace Project No.: 70271646

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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 SER 9/25

Pace Project No.: 70271646

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70271646001	N-14347-SEAMAN NECK 3 WELL 0	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790
70271646002	N-14347-SEAMAN NECK 3 WELL 2	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790
70271646003	N-14347-SEAMAN NECK 3 WELL 5	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790
70271646004	N-14347-SEAMAN NECK 3 WELL 10	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790
70271646005	N-14347-SEAMAN NECK 3 WELL 30	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790
70271646006	N-14347-SEAMAN NECK 3 WELL 30D	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790

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**WO#: 70271646**

Client Name: KGS Project: PM: KMM  
 Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other  
 Tracking #: \_\_\_\_\_

**Due Date: 10/02/23**  
**CLIENT: KGS**

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No Temperature Blank Present:  Yes  No  
 Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other Type of Ice:  Wet  Blue  None  
 Thermometer Used: TH196 Correction Factor: -0.4  Samples on ice, cooling process has begun  
 Cooler Temperature: 13.3 Cooler Temperature Corrected (°C): 12.9 Date/Time 5035A kits placed in freezer \_\_\_\_\_  
 Temp should be above freezing to 6.0°C

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

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.  
 Date and Initials of person examining contents: MPL 9/25/23

	COMMENTS:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr): <input 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 MS/MSD) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
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/Analysis: Matrix: <u>SL</u> <u>WT</u> <u>OIL</u> <u>OTHER</u>	

Date and Initials of person checking preservation: MPL 9/25/23

All containers needing preservation have been pH paper Lot # All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH > 9 Sulfide, <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A NAOH > 12 Cyanide) Exceptions: <u>VOA, Coliform</u> TOC/DOC, Oil and Grease, DRO/8015 (water) Per Method, VOA pH is checked after analysis	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 Sample # Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A KI starch test strips Lot # Residual chlorine strips Lot #	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sul: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Lead Acetate Strips Lot #	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

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

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





September 27, 2023

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

RE: Project: NYAW-MERRICK OPS FACILITY 9/25  
Pace Project No.: 70271649

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on September 25, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271649

---

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

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271649

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70271649001	GAC-3S/RS VESSEL#300-0	Drinking Water	09/25/23 06:10	09/25/23 10:42
70271649002	GAC-3S/RS VESSEL#300-2	Drinking Water	09/25/23 06:12	09/25/23 10:42
70271649003	GAC-3S/RS VESSEL#300-5	Drinking Water	09/25/23 06:15	09/25/23 10:42
70271649004	GAC-3S/RS VESSEL#300-10	Drinking Water	09/25/23 06:20	09/25/23 10:42
70271649005	GAC-3S/RS VESSEL#300-30	Drinking Water	09/25/23 06:40	09/25/23 10:42

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271649

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
70271649001	GAC-3S/RS VESSEL#300-0	SM22 9223B Colilert	GML	2
70271649002	GAC-3S/RS VESSEL#300-2	SM22 9223B Colilert	GML	2
70271649003	GAC-3S/RS VESSEL#300-5	SM22 9223B Colilert	GML	2
70271649004	GAC-3S/RS VESSEL#300-10	SM22 9223B Colilert	GML	2
70271649005	GAC-3S/RS VESSEL#300-30	SM22 9223B Colilert	GML	2

---

PACE-MV = Pace Analytical Services - Melville

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271649

Sample: GAC-3S/RS VESSEL#300-0 Lab ID: 70271649001 Collected: 09/25/23 06:10 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271649

Sample: GAC-3S/RS VESSEL#300-2 Lab ID: 70271649002 Collected: 09/25/23 06:12 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271649

Sample: GAC-3S/RS VESSEL#300-5 Lab ID: 70271649003 Collected: 09/25/23 06:15 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271649

Sample: **GAC-3S/RS VESSEL#300-10** Lab ID: **70271649004** Collected: 09/25/23 06:20 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271649

Sample: **GAC-3S/RS VESSEL#300-30** Lab ID: **70271649005** Collected: 09/25/23 06:40 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

### REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271649

---

QC Batch:	321597	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: 70271649001, 70271649002, 70271649003, 70271649004, 70271649005

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METHOD BLANK: 1639727 Matrix: Drinking Water

Associated Lab Samples: 70271649001, 70271649002, 70271649003, 70271649004, 70271649005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		09/26/23 10:45	
Total Coliforms		Absent		09/26/23 10:45	

---

SAMPLE DUPLICATE: 1639728

Parameter	Units	70271704001 Result	Dup Result	RPD	Max RPD	Qualifiers
E.coli		Absent	Absent			
Total Coliforms		Absent	Absent			

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

**REPORT OF LABORATORY ANALYSIS**

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## QUALIFIERS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271649

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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 FACILITY 9/25

Pace Project No.: 70271649

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70271649001	GAC-3S/RS VESSEL#300-0	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790
70271649002	GAC-3S/RS VESSEL#300-2	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790
70271649003	GAC-3S/RS VESSEL#300-5	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790
70271649004	GAC-3S/RS VESSEL#300-10	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790
70271649005	GAC-3S/RS VESSEL#300-30	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790

### REPORT OF LABORATORY ANALYSIS

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**WO#: 70271649**

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

PM: KMM Due Date: 10/02/23  
 CLIENT: KGS

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No Temperature Blank Present:  Yes  No  
 Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other Type of Ice:  Wet  Blue  None  
 Thermometer Used: JH196 Correction Factor: -0.4  Samples on ice, cooling process has begun  
 Cooler Temperature(°C): 13.2 Cooler Temperature Corrected(°C): 12.9 Date/Time 5035A kits placed in freezer \_\_\_\_\_  
 Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

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

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

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: MPL 9/25/23

	COMMENTS:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr): <input 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 MS/MSD) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input 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/Analysis: Matrix: <u>SL WT OIL OTHER</u>	

Date and Initials of person checking preservation: MPL 9/25/23

All containers needing preservation have been pH paper Lot # <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
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, <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A NAOH>12 Cyanide)	Sample #
Exceptions: <u>VOA Coliform</u> , 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
Residual chlorine strips Lot #	
SM 4500 CN samples checked for sul: <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	

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

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



September 27, 2023

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

RE: Project: NYAW-MERRICK OPS FACILITY 9/25  
Pace Project No.: 70271650

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on September 25, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271650

---

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

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271650

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70271650001	GAC-3S/4S-VESSEL#400-0	Drinking Water	09/25/23 06:50	09/25/23 10:42
70271650002	GAC-3S/4S-VESSEL#400-2	Drinking Water	09/25/23 06:52	09/25/23 10:42
70271650003	GAC-3S/4S-VESSEL#400-5	Drinking Water	09/25/23 06:55	09/25/23 10:42
70271650004	GAC-3S/4S-VESSEL#400-10	Drinking Water	09/25/23 07:00	09/25/23 10:42
70271650005	GAC-3S/4S-VESSEL#400-30	Drinking Water	09/25/23 07:20	09/25/23 10:42

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271650

---

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70271650001	GAC-3S/4S-VESSEL#400-0	SM22 9223B Colilert	GML	2
70271650002	GAC-3S/4S-VESSEL#400-2	SM22 9223B Colilert	GML	2
70271650003	GAC-3S/4S-VESSEL#400-5	SM22 9223B Colilert	GML	2
70271650004	GAC-3S/4S-VESSEL#400-10	SM22 9223B Colilert	GML	2
70271650005	GAC-3S/4S-VESSEL#400-30	SM22 9223B Colilert	GML	2

---

PACE-MV = Pace Analytical Services - Melville

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271650

Sample: GAC-3S/4S-VESSEL#400-0 Lab ID: 70271650001 Collected: 09/25/23 06:50 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271650

Sample: GAC-3S/4S-VESSEL#400-2 Lab ID: 70271650002 Collected: 09/25/23 06:52 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271650

Sample: GAC-3S/4S-VESSEL#400-5 Lab ID: 70271650003 Collected: 09/25/23 06:55 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271650

Sample: **GAC-3S/4S-VESSEL#400-10** Lab ID: **70271650004** Collected: 09/25/23 07:00 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271650

Sample: **GAC-3S/4S-VESSEL#400-30** Lab ID: **70271650005** Collected: 09/25/23 07:20 Received: 09/25/23 10:42 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	09/25/23 16:45	09/26/23 10:45		
E.coli	<b>Absent</b>				1	09/25/23 16:45	09/26/23 10:45		

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### QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271650

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QC Batch:	321597	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: 70271650001, 70271650002, 70271650003, 70271650004, 70271650005

---

METHOD BLANK: 1639727 Matrix: Drinking Water

Associated Lab Samples: 70271650001, 70271650002, 70271650003, 70271650004, 70271650005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		09/26/23 10:45	
Total Coliforms		Absent		09/26/23 10:45	

---

SAMPLE DUPLICATE: 1639728

Parameter	Units	70271704001 Result	Dup Result	RPD	Max RPD	Qualifiers
E.coli		Absent	Absent			
Total Coliforms		Absent	Absent			

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

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## QUALIFIERS

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271650

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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.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK OPS FACILITY 9/25

Pace Project No.: 70271650

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70271650001	GAC-3S/4S-VESSEL#400-0	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790
70271650002	GAC-3S/4S-VESSEL#400-2	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790
70271650003	GAC-3S/4S-VESSEL#400-5	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790
70271650004	GAC-3S/4S-VESSEL#400-10	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790
70271650005	GAC-3S/4S-VESSEL#400-30	SM22 9223B Colilert	321597	SM22 9223B Colilert	321790

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WO#: 70271650



70271650

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

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

<b>Section A</b> Required Client Information: Company: KOMAN Government Solutions, LLC Address: 180 Gordon Dr., Suite 110 Exton, PA Email: <a href="mailto:RGregory@komangs.com">RGregory@komangs.com</a> Phone: (610) 400-0636 Fax: _____ Requested Due Date: _____	<b>Section B</b> Required Project Information: Report To: Robert Gregory Copy To: NCDOH Purchase Order #: 02607-204 Project Name: NYAW-MERRICK OPS FACILITY Project #: 02607-204	<b>Section C</b> Invoice Information: Attention: Accounts Payable Company Name: KOMAN Government Solutions, LLC Address: <a href="mailto:accounts payable@komangs.com">accounts payable@komangs.com</a> Pace Quote: _____ Pace Project Manager: <a href="mailto:Kimberley.Mack@Pacelabs.com">Kimberley.Mack@Pacelabs.com</a> Pace Profile #: _____	Page : 1     Of     1
---	--	---	-----------------------

ITEM #	SAMPLE ID <small>One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique</small>	MATRIX <small>Drinking Water Water Waste Water Product Sol/Solid Oil Wipe Air Other Tissue</small>	CODE <small>DW WT WW P SL OL WP AR OT TS</small>	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	Preservatives								Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)							
						START		END			# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test	Y/N	Coliform (Fecal/Ecoli)																
						DATE	TIME	DATE	TIME																													
1	GAC-3S/4S-Vessel#400-0	DW	G		G						9/25/23	6:50	1	X																								
2	GAC-3S/4S-Vessel#400-2	DW	G		G						9/25/23	6:52	1	X																								
3	GAC-3S/4S-Vessel#400-5	DW	G		G						9/25/23	6:55	1	X																								
4	GAC-3S/4S-Vessel#400-10	DW	G		G						9/25/23	7:00	1	X																								
5	GAC-3S/4S-Vessel#400-30	DW	G		G						9/25/23	7:20	1	X																								
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>	9/25/23		<i>PRACTU</i>	9/25/23	10:42	3.3	W N Y

  

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER: <i>Randy Hoffmaster</i>					
DATE Signed: 9/25/23						

**WO#: 70271650**

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

Project # **PM: KMM** Due Date: **10/02/23**  
**CLIENT: KGS**

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No Temperature Blank Present:  Yes  No  
 Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other Type of Ice:  Wet  Blue  None  
 Thermometer Used: TH196 Correction Factor: -0.4  Samples on ice, cooling process has begun  
 Cooler Temperature (°C): 13.3 Cooler Temperature Corrected (°C): 12.9 Date/Time 5035A kits placed in freezer \_\_\_\_\_  
 Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

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

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

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: MPL 9/25/23

	COMMENTS:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 MS/MSD) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
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/Analysis: Matrix: <u>SL</u> <u>WT</u> <u>OIL</u> <u>OTHER</u>	

Date and Initials of person checking preservation: MPL 9/25/23

All containers needing preservation have been pH paper Lot # All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide, <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A NaOH>12 Cyanide) Exceptions: VOA Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	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 Sample #
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A KI starch test strips Lot # Residual chlorine strips Lot #	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sul: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Lead Acetate Strips Lot #	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	

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

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



October 02, 2023

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

RE: Project: NYAW-MERRICK OPS BACT SERI9/27  
Pace Project No.: 70272127

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

A handwritten signature in cursive script that reads "Kimberley Mack".

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

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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 BACT SERI9/27

Pace Project No.: 70272127

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70272127001	N-093338(SEAMAN NECK 4 WELL)-0	Drinking Water	09/27/23 19:30	09/28/23 10:15
70272127002	N-093338(SEAMAN NECK 4 WELL)-2	Drinking Water	09/27/23 19:32	09/28/23 10:15
70272127003	N-093338(SEAMAN NECK 4 WELL)-5	Drinking Water	09/27/23 19:35	09/28/23 10:15
70272127004	N-093338(SEAMAN NECK 4 WELL)-1	Drinking Water	09/27/23 19:40	09/28/23 10:15
70272127005	N-093338(SEAMAN NECK 4 WELL)-2	Drinking Water	09/27/23 20:00	09/28/23 10:15
70272127006	N-093338(SEAMAN NECK 4 WELL)-3	Drinking Water	09/27/23 20:03	09/28/23 10:15
70272127007	GAC-3S/4S-VESSEL#100-0	Drinking Water	09/27/23 18:10	09/28/23 10:15
70272127008	GAC-3S/4S-VESSEL#100-2	Drinking Water	09/27/23 18:12	09/28/23 10:15
70272127009	GAC-3S/4S-VESSEL#100-5	Drinking Water	09/27/23 18:15	09/28/23 10:15
70272127010	GAC-3S/4S-VESSEL#100-10	Drinking Water	09/27/23 18:20	09/28/23 10:15
70272127011	GAC-3S/4S-VESSEL#100-30	Drinking Water	09/27/23 18:40	09/28/23 10:15
70272127012	GAC-3S/4S-VESSEL#200-0	Drinking Water	09/27/23 18:50	09/28/23 10:15
70272127013	GAC-3S/4S-VESSEL#200-2	Drinking Water	09/27/23 18:52	09/28/23 10:15
70272127014	GAC-3S/4S-VESSEL#200-5	Drinking Water	09/27/23 18:55	09/28/23 10:15
70272127015	GAC-3S/4S-VESSEL#200-10	Drinking Water	09/27/23 19:00	09/28/23 10:15
70272127016	GAC-3S/4S-VESSEL#200-30	Drinking Water	09/27/23 19:20	09/28/23 10:15

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS BACT SERI9/27  
Pace Project No.: 70272127

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
70272127001	N-093338(SEAMAN NECK 4 WELL)-0	SM22 9223B Colilert	GML	2
70272127002	N-093338(SEAMAN NECK 4 WELL)-2	SM22 9223B Colilert	GML	2
70272127003	N-093338(SEAMAN NECK 4 WELL)-5	SM22 9223B Colilert	GML	2
70272127004	N-093338(SEAMAN NECK 4 WELL)-1	SM22 9223B Colilert	GML	2
70272127005	N-093338(SEAMAN NECK 4 WELL)-2	SM22 9223B Colilert	GML	2
70272127006	N-093338(SEAMAN NECK 4 WELL)-3	SM22 9223B Colilert	GML	2
70272127007	GAC-3S/4S-VESSEL#100-0	SM22 9223B Colilert	GML	2
70272127008	GAC-3S/4S-VESSEL#100-2	SM22 9223B Colilert	GML	2
70272127009	GAC-3S/4S-VESSEL#100-5	SM22 9223B Colilert	GML	2
70272127010	GAC-3S/4S-VESSEL#100-10	SM22 9223B Colilert	GML	2
70272127011	GAC-3S/4S-VESSEL#100-30	SM22 9223B Colilert	GML	2
70272127012	GAC-3S/4S-VESSEL#200-0	SM22 9223B Colilert	GML	2
70272127013	GAC-3S/4S-VESSEL#200-2	SM22 9223B Colilert	GML	2
70272127014	GAC-3S/4S-VESSEL#200-5	SM22 9223B Colilert	GML	2
70272127015	GAC-3S/4S-VESSEL#200-10	SM22 9223B Colilert	GML	2
70272127016	GAC-3S/4S-VESSEL#200-30	SM22 9223B Colilert	GML	2

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PACE-MV = Pace Analytical Services - Melville

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: N-093338(SEAMAN NECK 4 WELL)-0 Lab ID: 70272127001 Collected: 09/27/23 19:30 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: N-093338(SEAMAN NECK 4 WELL)-2 Lab ID: 70272127002 Collected: 09/27/23 19:32 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: N-093338(SEAMAN NECK 4 WELL)-5 Lab ID: 70272127003 Collected: 09/27/23 19:35 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: N-093338(SEAMAN NECK 4 WELL)-1 Lab ID: 70272127004 Collected: 09/27/23 19:40 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: N-093338(SEAMAN NECK 4 WELL)-2 Lab ID: 70272127005 Collected: 09/27/23 20:00 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: N-093338(SEAMAN NECK 4 WELL)-3 Lab ID: 70272127006 Collected: 09/27/23 20:03 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: GAC-3S/4S-VESSEL#100-0 Lab ID: 70272127007 Collected: 09/27/23 18:10 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: GAC-3S/4S-VESSEL#100-2 Lab ID: 70272127008 Collected: 09/27/23 18:12 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: GAC-3S/4S-VESSEL#100-5 Lab ID: 70272127009 Collected: 09/27/23 18:15 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: **GAC-3S/4S-VESSEL#100-10** Lab ID: **70272127010** Collected: 09/27/23 18:20 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: **GAC-3S/4S-VESSEL#100-30** Lab ID: **70272127011** Collected: 09/27/23 18:40 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: GAC-3S/4S-VESSEL#200-0 Lab ID: 70272127012 Collected: 09/27/23 18:50 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: GAC-3S/4S-VESSEL#200-2 Lab ID: 70272127013 Collected: 09/27/23 18:52 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: GAC-3S/4S-VESSEL#200-5 Lab ID: 70272127014 Collected: 09/27/23 18:55 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: **GAC-3S/4S-VESSEL#200-10** Lab ID: **70272127015** Collected: 09/27/23 19:00 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

Sample: **GAC-3S/4S-VESSEL#200-30** Lab ID: **70272127016** Collected: 09/27/23 19:20 Received: 09/28/23 10:15 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>MBIO Total Coliform DW</b>									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		
E.coli	<b>Absent</b>				1	09/28/23 16:00	09/29/23 10:00		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS BACT SERI9/27

Pace Project No.: 70272127

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QC Batch:	322321	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: 70272127001, 70272127002, 70272127003, 70272127004, 70272127005, 70272127006, 70272127007, 70272127008, 70272127009, 70272127010, 70272127011, 70272127012, 70272127013, 70272127014, 70272127015, 70272127016

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METHOD BLANK:	1644084	Matrix:	Drinking Water
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Associated Lab Samples: 70272127001, 70272127002, 70272127003, 70272127004, 70272127005, 70272127006, 70272127007, 70272127008, 70272127009, 70272127010, 70272127011, 70272127012, 70272127013, 70272127014, 70272127015, 70272127016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		09/29/23 10:00	
Total Coliforms		Absent		09/29/23 10:00	

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 SERI9/27

Pace Project No.: 70272127

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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 SERI9/27

Pace Project No.: 70272127

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70272127001	N-093338(SEAMAN NECK 4 WELL)-0	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127002	N-093338(SEAMAN NECK 4 WELL)-2	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127003	N-093338(SEAMAN NECK 4 WELL)-5	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127004	N-093338(SEAMAN NECK 4 WELL)-1	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127005	N-093338(SEAMAN NECK 4 WELL)-2	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127006	N-093338(SEAMAN NECK 4 WELL)-3	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127007	GAC-3S/4S-VESSEL#100-0	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127008	GAC-3S/4S-VESSEL#100-2	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127009	GAC-3S/4S-VESSEL#100-5	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127010	GAC-3S/4S-VESSEL#100-10	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127011	GAC-3S/4S-VESSEL#100-30	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127012	GAC-3S/4S-VESSEL#200-0	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127013	GAC-3S/4S-VESSEL#200-2	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127014	GAC-3S/4S-VESSEL#200-5	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127015	GAC-3S/4S-VESSEL#200-10	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330
70272127016	GAC-3S/4S-VESSEL#200-30	SM22 9223B Colilert	322321	SM22 9223B Colilert	322330

### REPORT OF LABORATORY ANALYSIS

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WO#: 70272127



70272127

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

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

Page: 1 of 3

<b>Section A</b> Required Client Information:	<b>Section B</b> Required Project Information:	<b>Section C</b> Invoice Information:
Company: KOMAN Government Solutions, LLC	Report To: Robert Gregory	Attention: Accounts Payable
Address: 180 Gordon Dr., Suite 110	Copy To: NCDOH	Company Name: KOMAN Government Solutions, LLC
Exton, PA		Address: accounts.payable@komangs.com
Email: RGregory@komangia.com	Purchase Order #: 02807-204	Pace Quote:
Phone: (610) 400-0636   Fax:	Project Name: NYAW-MERRICK OPS FACILITY	Pace Project Manager: Kimberley.Mast@Pacelabs.com
Requested Due Date:	Project #: 02807-204	Pace Profile #:
		Regulatory Agency
		State / Location
		NY

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) □ Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (B=GRAB G=COMPOSITE)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)		
				START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					Other	Analysis Test Collet (Fecal/Ecoli)
				DATE	TIME	DATE	TIME															
1	N-09338 (Seaman Neck 4 Well)-0	DW	G			9/27/23	7:30 PM	1	X									X				
2	N-09338 (Seaman Neck 4 Well)-2	DW	G			9/27/23	7:34 PM	1	X									X				
3	N-09338 (Seaman Neck 4 Well)-5	DW	G			9/27/23	7:35 PM	1	X									X				
4	N-09338 (Seaman Neck 4 Well)-10	DW	G			9/27/23	7:40 PM	1	X									X				
5	N-09338 (Seaman Neck 4 Well)-30	DW	G			9/27/23	8:00 PM	1	X									X				
6	N-09338 (Seaman Neck 4 Well)-30D	DW	G			9/27/23	8:03 PM	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	9/27/23		MPL PACE LA	9/28/23	10:15	1.5 Y

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice <input type="checkbox"/> (Y/N)	Custody Sealed <input type="checkbox"/> (Y/N)	Cooler <input type="checkbox"/> (Y/N)	Samples Intact <input type="checkbox"/> (Y/N)
PRINT Name of SAMPLER:							
SIGNATURE of SAMPLER: <i>Randy Hoffmaster</i>		DATE Signed: 9/27/2023					



# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 Of 3

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: KOMAN Government Solutions, LLC		Report To: Robert Gregory		Attention: Accounts Payable	
Address: 180 Gordon Dr., Suite 110 Exton, PA		Copy To: NCDOH		Company Name: KOMAN Government Solutions, LLC	
Email: RGregory@komang.com		Purchase Order #: 02607-204		Address: accountspayable@komang.com	
Phone: (610) 400-0836 Fax:		Project Name: NYAW-MERRICK OPS FACILITY		Pace Quote:	
Requested Due Date:		Project #: 02607-204		Pace Project Manager: Kimberley Mack@Paceinbs.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: Drinking Water ( ) Water ( ) Waste Water ( ) Product ( ) Soil/Solid ( ) Oil ( ) Wet ( ) Air ( ) Other ( ) Tissue ( )	CODE: DW ( ) WT ( ) WW ( ) PL ( ) SL ( ) OL ( ) WFO ( ) AR ( ) OT ( ) TS ( )	COLLECTED	START	END	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	HNO3	HCl					NaOH	Na2S2O3	Methanol	Other
1	GAC-3S/4S-Vessel#100-0				9/27/23	6:10pm		1	X									X						
2	GAC-3S/4S-Vessel#100-2				9/27/23	6:12pm		1	X									X						
3	GAC-3S/4S-Vessel#100-5				9/27/23	6:15pm		1	X									X						
4	GAC-3S/4S-Vessel#100-10				9/27/23	6:20pm		1	X									X						
5	GAC-3S/4S-Vessel#100-30				9/27/23	6:40pm		1	X									X						
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
				MPL PACELI	9/28/23	10:15	1.5 Y

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





**WO#: 70272127**

Client Name: \_\_\_\_\_ Project # \_\_\_\_\_

**PM: KMM Due Date: 10/05/23**  
**CLIENT: KGS**

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

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

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No Temperature Blank Present:  Yes  No  
 Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other Type of Ice: Wet Blue None

Thermometer Used: TH196 Correction Factor: -0.4  Samples on ice, cooling process has begun  
 Cooler Temperature (°C): 1.5 Cooler Temperature Corrected (°C): 1.1 Date/Time 5035A kits placed in freezer \_\_\_\_\_  
 Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

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

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

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: SH 9/28/23

	COMMENTS:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
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/Analysis: Matrix: <u>SL</u> <u>WT</u> OIL OTHER	

Date and Initials of person checking preservation: SH 9/28/23

All containers needing preservation have been pH paper Lot # All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water) Per Method, VOA pH is checked after analysis	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 Sample # Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot # SM 4500 CN samples checked for sulfide: Lead Acetate Strips Lot #	14. Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm): Trip Blank Present: Trip Blank Custody Seals Present	15. Positive for Sulfide? Y N
	16.
	17.

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

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