10 October 2022

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

Subject: **September 2022 Sampling Report**
Full Scale Liquid-Phase Granular Activated Carbon Treatment System
Liberty New York Water, Seamans Neck Road Water Plant
NWIRP Bethpage, New York
Contract No. N40085-16-D-2288, Task Order 5125

Dear Mr. Sokolowski,

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

The purpose of this report is to document the sampling activities performed at the GAC Treatment System in September 2022 and present the associated analytical results.

Sampling Requirements

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

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

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

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

September 2022 Sampling Summary

Monthly POC Sampling

On 9 September 2022 monthly POC samples were collected from the GAC system influent from Well No. 3A and Well No. 4S and the system effluent; a field duplicate and matrix spike / matrix spike duplicate (MS/MSD) from the system effluent were also collected. **Attachment 1** provides the analytical data report for POC samples collected in September 2022. **Table 1**, below, presents the trichloroethene (TCE) analytical results. TCE was not detected in the GAC effluent or GAC effluent duplicate samples. Results for TCE are in compliance with NCDH requirements.

Table 1 - *TCE Analytical Results(1) – September 2022*

Date	Well 3A Raw [N-14347 (Seaman Neck 3A Well)]	Well 4S Raw [N-09338 (Seaman Neck 4S Well)]	Effluent from GAC System [GAC-3S/4S (Seaman Neck GAC Effluent)]	Effluent from GAC System (Duplicate) [GAC-3S/4S (Seaman Neck GAC Effluent)-D]
09/09/2022	13.6	2.2	ND	ND

Notes:
(1) All concentrations reported in ug/L (ppb).
ND – Not Detected above the reporting limit (0.50 ug/L)

Quarterly Microbiological (MIC) Sampling – 2022 Q3

On 26 September 2022, GAC #100 and GAC #200 were taken off-line for a minimum required 12-hour period prior to collecting quarterly MIC samples. Well No. 4S and the other four GAC vessels continued to operate. Well No. 3A is typically not online during non-peak load periods and is required to be turned on to facilitate sampling. Following the 12-hour shut-down of the vessels, GAC #100 and GAC #200 were brought back on-line. Time sequenced MIC samples were collected from Well No. 3A and the GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the vessels and startup of Well No. 3A on 26 September 2022. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

Please contact me at 610-400-0636 or rgregory@komangs.com with any questions or concerns regarding this report.

Sincerely,
KOMAN Government Solutions, LLC

Robert Gregory, P.G.
Project Manager

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

ATTACHMENT 1

POC ANALYTICAL RESULTS FOR SEPTEMBER 2022

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

September 21, 2022

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

RE: Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on September 09, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

Kimberley M. Mack
kimberley.mack@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

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

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

SAMPLE SUMMARY

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70228872001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	Drinking Water	09/09/22 10:00	09/09/22 10:45
70228872002	**GAC-3S/4S (SEAMAN NECK GAC) D**	Drinking Water	09/09/22 10:15	09/09/22 10:45
70228872003	**WELL 3A N-14347**	Drinking Water	09/09/22 09:45	09/09/22 10:45
70228872004	**WELL 4 N-09338 (INFLUENT)**	Drinking Water	09/09/22 09:30	09/09/22 10:45

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70228872001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	EPA 522	AI1	2
		EPA 524.2	KGG	62
70228872002	**GAC-3S/4S (SEAMAN NECK GAC) D**	EPA 524.2	KGG	62
70228872003	**WELL 3A N-14347**	EPA 522	AI1	2
		EPA 524.2	KGG	62
70228872004	**WELL 4 N-09338 (INFLUENT)**	EPA 522	AI1	2
		EPA 524.2	KGG	62

PACE-MV = Pace Analytical Services - Melville

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF **Lab ID: 70228872001** Collected: 09/09/22 10:00 Received: 09/09/22 10:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)	Analytical Method: EPA 522 Preparation Method: EPA 522 Pace Analytical Services - Melville								
1,4-Dioxane (p-Dioxane)	**2.1**	ug/L	0.020		1	09/20/22 15:54	09/21/22 15:00	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	104	%	70-130		1	09/20/22 15:54	09/21/22 15:00		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50	5	1		09/20/22 19:19	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50	80	1		09/20/22 19:19	75-27-4	
Bromoform	**<0.50**	ug/L	0.50	80	1		09/20/22 19:19	75-25-2	v3
Bromomethane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50	5	1		09/20/22 19:19	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50	100	1		09/20/22 19:19	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	75-00-3	
Chloroform	**<0.50**	ug/L	0.50	80	1		09/20/22 19:19	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50	80	1		09/20/22 19:19	124-48-1	v3
Dibromomethane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50	600	1		09/20/22 19:19	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50	75	1		09/20/22 19:19	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	75-71-8	L2
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50	5	1		09/20/22 19:19	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50	7	1		09/20/22 19:19	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50	70	1		09/20/22 19:19	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50	100	1		09/20/22 19:19	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50	5	1		09/20/22 19:19	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50	700	1		09/20/22 19:19	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		09/20/22 19:19	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	99-87-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF **Lab ID: 70228872001** Collected: 09/09/22 10:00 Received: 09/09/22 10:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Methylene Chloride	**<0.50**	ug/L	0.50	5	1		09/20/22 19:19	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		09/20/22 19:19	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	103-65-1	
Styrene	**<0.50**	ug/L	0.50	100	1		09/20/22 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50	5	1		09/20/22 19:19	127-18-4	
Toluene	**<0.50**	ug/L	0.50	1000	1		09/20/22 19:19	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50	80	1		09/20/22 19:19		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50	70	1		09/20/22 19:19	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50	200	1		09/20/22 19:19	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50	5	1		09/20/22 19:19	79-00-5	
Trichloroethene	**<0.50**	ug/L	0.50	5	1		09/20/22 19:19	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		09/20/22 19:19	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50	2	1		09/20/22 19:19	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		09/20/22 19:19	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	94	%	70-130		1		09/20/22 19:19	2199-69-1	
4-Bromofluorobenzene (S)	88	%	70-130		1		09/20/22 19:19	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

Sample: GAC-3S/4S (SEAMAN NECK GAC) D **Lab ID: 70228872002** Collected: 09/09/22 10:15 Received: 09/09/22 10:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50	5	1		09/20/22 19:46	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50	80	1		09/20/22 19:46	75-27-4	
Bromoform	**<0.50**	ug/L	0.50	80	1		09/20/22 19:46	75-25-2	v3
Bromomethane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50	5	1		09/20/22 19:46	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50	100	1		09/20/22 19:46	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	75-00-3	
Chloroform	**<0.50**	ug/L	0.50	80	1		09/20/22 19:46	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50	80	1		09/20/22 19:46	124-48-1	v3
Dibromomethane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50	600	1		09/20/22 19:46	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50	75	1		09/20/22 19:46	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	75-71-8	L2
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50	5	1		09/20/22 19:46	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50	7	1		09/20/22 19:46	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50	70	1		09/20/22 19:46	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50	100	1		09/20/22 19:46	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50	5	1		09/20/22 19:46	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50	700	1		09/20/22 19:46	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		09/20/22 19:46	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	99-87-6	
Methylene Chloride	**<0.50**	ug/L	0.50	5	1		09/20/22 19:46	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		09/20/22 19:46	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	103-65-1	
Styrene	**<0.50**	ug/L	0.50	100	1		09/20/22 19:46	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

Sample: GAC-3S/4S (SEAMAN NECK GAC) D **Lab ID: 70228872002** Collected: 09/09/22 10:15 Received: 09/09/22 10:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Tetrachloroethene	**<0.50**	ug/L	0.50	5	1		09/20/22 19:46	127-18-4	
Toluene	**<0.50**	ug/L	0.50	1000	1		09/20/22 19:46	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50	80	1		09/20/22 19:46		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50	70	1		09/20/22 19:46	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50	200	1		09/20/22 19:46	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50	5	1		09/20/22 19:46	79-00-5	
Trichloroethene	**<0.50**	ug/L	0.50	5	1		09/20/22 19:46	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		09/20/22 19:46	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50	2	1		09/20/22 19:46	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		09/20/22 19:46	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	92	%	70-130		1		09/20/22 19:46	2199-69-1	
4-Bromofluorobenzene (S)	86	%	70-130		1		09/20/22 19:46	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

Sample: WELL 3A N-14347 **Lab ID: 70228872003** Collected: 09/09/22 09:45 Received: 09/09/22 10:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)	Analytical Method: EPA 522 Preparation Method: EPA 522 Pace Analytical Services - Melville								
1,4-Dioxane (p-Dioxane)	**2.4**	ug/L	0.020		1	09/20/22 15:54	09/21/22 15:16	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	104	%	70-130		1	09/20/22 15:54	09/21/22 15:16		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50	5	1		09/20/22 20:13	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50	80	1		09/20/22 20:13	75-27-4	
Bromoform	**<0.50**	ug/L	0.50	80	1		09/20/22 20:13	75-25-2	v3
Bromomethane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50	5	1		09/20/22 20:13	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50	100	1		09/20/22 20:13	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	75-00-3	
Chloroform	**<0.50**	ug/L	0.50	80	1		09/20/22 20:13	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50	80	1		09/20/22 20:13	124-48-1	v3
Dibromomethane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50	600	1		09/20/22 20:13	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50	75	1		09/20/22 20:13	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	75-71-8	L2
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50	5	1		09/20/22 20:13	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50	7	1		09/20/22 20:13	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50	70	1		09/20/22 20:13	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50	100	1		09/20/22 20:13	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50	5	1		09/20/22 20:13	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50	700	1		09/20/22 20:13	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		09/20/22 20:13	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	99-87-6	
Methylene Chloride	**<0.50**	ug/L	0.50	5	1		09/20/22 20:13	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

Sample: WELL 3A N-14347 **Lab ID: 70228872003** Collected: 09/09/22 09:45 Received: 09/09/22 10:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		09/20/22 20:13	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	103-65-1	
Styrene	**<0.50**	ug/L	0.50	100	1		09/20/22 20:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50	5	1		09/20/22 20:13	127-18-4	
Toluene	**<0.50**	ug/L	0.50	1000	1		09/20/22 20:13	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50	80	1		09/20/22 20:13		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50	70	1		09/20/22 20:13	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50	200	1		09/20/22 20:13	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50	5	1		09/20/22 20:13	79-00-5	
Trichloroethene	**13.6**	ug/L	0.50	5	1		09/20/22 20:13	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		09/20/22 20:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	**0.56**	ug/L	0.50		1		09/20/22 20:13	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50	2	1		09/20/22 20:13	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		09/20/22 20:13	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	90	%	70-130		1		09/20/22 20:13	2199-69-1	
4-Bromofluorobenzene (S)	87	%	70-130		1		09/20/22 20:13	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70228872004** Collected: 09/09/22 09:30 Received: 09/09/22 10:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)	Analytical Method: EPA 522 Preparation Method: EPA 522 Pace Analytical Services - Melville								
1,4-Dioxane (p-Dioxane)	**1.9**	ug/L	0.020		1	09/20/22 15:54	09/21/22 15:31	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	108	%	70-130		1	09/20/22 15:54	09/21/22 15:31		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50	5	1		09/20/22 20:39	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50	80	1		09/20/22 20:39	75-27-4	
Bromoform	**<0.50**	ug/L	0.50	80	1		09/20/22 20:39	75-25-2	v3
Bromomethane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50	5	1		09/20/22 20:39	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50	100	1		09/20/22 20:39	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	75-00-3	
Chloroform	**<0.50**	ug/L	0.50	80	1		09/20/22 20:39	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50	80	1		09/20/22 20:39	124-48-1	v3
Dibromomethane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50	600	1		09/20/22 20:39	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50	75	1		09/20/22 20:39	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	75-71-8	L2
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50	5	1		09/20/22 20:39	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50	7	1		09/20/22 20:39	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50	70	1		09/20/22 20:39	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50	100	1		09/20/22 20:39	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50	5	1		09/20/22 20:39	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50	700	1		09/20/22 20:39	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		09/20/22 20:39	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	99-87-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70228872004** Collected: 09/09/22 09:30 Received: 09/09/22 10:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Methylene Chloride	**<0.50**	ug/L	0.50	5	1		09/20/22 20:39	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		09/20/22 20:39	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	103-65-1	
Styrene	**<0.50**	ug/L	0.50	100	1		09/20/22 20:39	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50	5	1		09/20/22 20:39	127-18-4	
Toluene	**<0.50**	ug/L	0.50	1000	1		09/20/22 20:39	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50	80	1		09/20/22 20:39		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50	70	1		09/20/22 20:39	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50	200	1		09/20/22 20:39	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50	5	1		09/20/22 20:39	79-00-5	
Trichloroethene	**2.2**	ug/L	0.50	5	1		09/20/22 20:39	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		09/20/22 20:39	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50	2	1		09/20/22 20:39	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		09/20/22 20:39	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	93	%	70-130		1		09/20/22 20:39	2199-69-1	
4-Bromofluorobenzene (S)	87	%	70-130		1		09/20/22 20:39	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

QC Batch: 274351
QC Batch Method: EPA 524.2
Analysis Method: EPA 524.2
Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70228872001, 70228872002, 70228872003, 70228872004

METHOD BLANK: 1385632 Matrix: Water
Associated Lab Samples: 70228872001, 70228872002, 70228872003, 70228872004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	09/20/22 17:03	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	09/20/22 17:03	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	09/20/22 17:03	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	09/20/22 17:03	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	09/20/22 17:03	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	09/20/22 17:03	
1,1-Dichloroethene	ug/L	<0.50	0.50	09/20/22 17:03	
1,1-Dichloropropene	ug/L	<0.50	0.50	09/20/22 17:03	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	09/20/22 17:03	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	09/20/22 17:03	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	09/20/22 17:03	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	09/20/22 17:03	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	09/20/22 17:03	
1,2-Dichloroethane	ug/L	<0.50	0.50	09/20/22 17:03	
1,2-Dichloropropane	ug/L	<0.50	0.50	09/20/22 17:03	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	09/20/22 17:03	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	09/20/22 17:03	
1,3-Dichloropropane	ug/L	<0.50	0.50	09/20/22 17:03	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	09/20/22 17:03	
2,2-Dichloropropane	ug/L	<0.50	0.50	09/20/22 17:03	
2-Chlorotoluene	ug/L	<0.50	0.50	09/20/22 17:03	
4-Chlorotoluene	ug/L	<0.50	0.50	09/20/22 17:03	
Benzene	ug/L	<0.50	0.50	09/20/22 17:03	
Bromobenzene	ug/L	<0.50	0.50	09/20/22 17:03	
Bromochloromethane	ug/L	<0.50	0.50	09/20/22 17:03	
Bromodichloromethane	ug/L	<0.50	0.50	09/20/22 17:03	
Bromoform	ug/L	<0.50	0.50	09/20/22 17:03	v3
Bromomethane	ug/L	<0.50	0.50	09/20/22 17:03	
Carbon tetrachloride	ug/L	<0.50	0.50	09/20/22 17:03	
Chlorobenzene	ug/L	<0.50	0.50	09/20/22 17:03	
Chlorodifluoromethane	ug/L	<0.50	0.50	09/20/22 17:03	N3
Chloroethane	ug/L	<0.50	0.50	09/20/22 17:03	
Chloroform	ug/L	<0.50	0.50	09/20/22 17:03	
Chloromethane	ug/L	<0.50	0.50	09/20/22 17:03	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	09/20/22 17:03	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	09/20/22 17:03	
Dibromochloromethane	ug/L	<0.50	0.50	09/20/22 17:03	v3
Dibromomethane	ug/L	<0.50	0.50	09/20/22 17:03	
Dichlorodifluoromethane	ug/L	<0.50	0.50	09/20/22 17:03	
Ethylbenzene	ug/L	<0.50	0.50	09/20/22 17:03	

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

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

METHOD BLANK: 1385632 Matrix: Water
Associated Lab Samples: 70228872001, 70228872002, 70228872003, 70228872004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	09/20/22 17:03	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	09/20/22 17:03	
m&p-Xylene	ug/L	<0.50	0.50	09/20/22 17:03	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	09/20/22 17:03	
Methylene Chloride	ug/L	<0.50	0.50	09/20/22 17:03	
n-Butylbenzene	ug/L	<0.50	0.50	09/20/22 17:03	
n-Propylbenzene	ug/L	<0.50	0.50	09/20/22 17:03	
o-Xylene	ug/L	<0.50	0.50	09/20/22 17:03	
p-Isopropyltoluene	ug/L	<0.50	0.50	09/20/22 17:03	
sec-Butylbenzene	ug/L	<0.50	0.50	09/20/22 17:03	
Styrene	ug/L	<0.50	0.50	09/20/22 17:03	
tert-Butylbenzene	ug/L	<0.50	0.50	09/20/22 17:03	
Tetrachloroethene	ug/L	<0.50	0.50	09/20/22 17:03	
Toluene	ug/L	<0.50	0.50	09/20/22 17:03	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	09/20/22 17:03	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	09/20/22 17:03	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	09/20/22 17:03	
Trichloroethene	ug/L	<0.50	0.50	09/20/22 17:03	
Trichlorofluoromethane	ug/L	<0.50	0.50	09/20/22 17:03	
Vinyl chloride	ug/L	<0.50	0.50	09/20/22 17:03	
1,2-Dichlorobenzene-d4 (S)	%	91	70-130	09/20/22 17:03	
4-Bromofluorobenzene (S)	%	85	70-130	09/20/22 17:03	

LABORATORY CONTROL SAMPLE: 1385633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	8.6	86	70-130	
1,1,1-Trichloroethane	ug/L	10	9.0	90	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	8.5	85	70-130	
1,1,2-Trichloroethane	ug/L	10	10.0	100	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	12.9	129	70-130	N3
1,1-Dichloroethane	ug/L	10	9.2	92	70-130	
1,1-Dichloroethene	ug/L	10	10.4	104	70-130	
1,1-Dichloropropene	ug/L	10	9.6	96	70-130	
1,2,3-Trichlorobenzene	ug/L	10	11.1	111	70-130	
1,2,3-Trichloropropane	ug/L	10	8.9	89	70-130	
1,2,4-Trichlorobenzene	ug/L	10	11.0	110	70-130	
1,2,4-Trimethylbenzene	ug/L	10	10.4	104	70-130	
1,2-Dichlorobenzene	ug/L	10	10.9	109	70-130	
1,2-Dichloroethane	ug/L	10	8.8	88	70-130	
1,2-Dichloropropane	ug/L	10	8.8	88	70-130	
1,3,5-Trimethylbenzene	ug/L	10	10.0	100	70-130	
1,3-Dichlorobenzene	ug/L	10	10.8	108	70-130	
1,3-Dichloropropane	ug/L	10	9.7	97	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

LABORATORY CONTROL SAMPLE: 1385633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	10.8	108	70-130	
2,2-Dichloropropane	ug/L	10	8.6	86	70-130	
2-Chlorotoluene	ug/L	10	9.9	99	70-130	
4-Chlorotoluene	ug/L	10	10.4	104	70-130	
Benzene	ug/L	10	9.5	95	70-130	
Bromobenzene	ug/L	10	10.6	106	70-130	
Bromochloromethane	ug/L	10	10	100	70-130	
Bromodichloromethane	ug/L	10	7.4	74	70-130	
Bromoform	ug/L	10	7.2	72	70-130	v3
Bromomethane	ug/L	10	12.2	122	70-130	
Carbon tetrachloride	ug/L	10	8.3	83	70-130	
Chlorobenzene	ug/L	10	10.1	101	70-130	
Chlorodifluoromethane	ug/L	10	9.9	99	70-130	N3
Chloroethane	ug/L	10	11.3	113	70-130	
Chloroform	ug/L	10	9.2	92	70-130	
Chloromethane	ug/L	10	8.3	83	70-130	
cis-1,2-Dichloroethene	ug/L	10	9.9	99	70-130	
cis-1,3-Dichloropropene	ug/L	10	8.4	84	70-130	
Dibromochloromethane	ug/L	10	7.2	72	70-130	v3
Dibromomethane	ug/L	10	9.4	94	70-130	
Dichlorodifluoromethane	ug/L	10	5.9	59	70-130	L2
Ethylbenzene	ug/L	10	10.4	104	70-130	
Hexachloro-1,3-butadiene	ug/L	10	12.6	126	70-130	
Isopropylbenzene (Cumene)	ug/L	10	10.1	101	70-130	
m&p-Xylene	ug/L	20	20.4	102	70-130	
Methyl-tert-butyl ether	ug/L	10	8.9	89	70-130	
Methylene Chloride	ug/L	10	10.7	107	70-130	
n-Butylbenzene	ug/L	10	11.2	112	70-130	
n-Propylbenzene	ug/L	10	10.3	103	70-130	
o-Xylene	ug/L	10	10.1	101	70-130	
p-Isopropyltoluene	ug/L	10	10.4	104	70-130	
sec-Butylbenzene	ug/L	10	10.2	102	70-130	
Styrene	ug/L	10	9.6	96	70-130	
tert-Butylbenzene	ug/L	10	10.5	105	70-130	
Tetrachloroethene	ug/L	10	11.4	114	70-130	
Toluene	ug/L	10	9.9	99	70-130	
Total Trihalomethanes (Calc.)	ug/L		31.0			
trans-1,2-Dichloroethene	ug/L	10	9.5	95	70-130	
trans-1,3-Dichloropropene	ug/L	10	7.9	79	70-130	
Trichloroethene	ug/L	10	10.4	104	70-130	
Trichlorofluoromethane	ug/L	10	10.2	102	70-130	
Vinyl chloride	ug/L	10	9.2	92	70-130	
1,2-Dichlorobenzene-d4 (S)	%			107	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

SAMPLE DUPLICATE: 1385971

Parameter	Units	70228709006 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	2.5	2.6	8	20	
1,1-Dichloroethene	ug/L	1.7	1.7	1	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	v3
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	0.70	0.75	7	20	
Chloromethane	ug/L	<0.50	<0.50		20	
cis-1,2-Dichloroethene	ug/L	1.9	2.0	4	20	
cis-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Dibromochloromethane	ug/L	<0.50	<0.50		20	v3
Dibromomethane	ug/L	<0.50	<0.50		20	
Dichlorodifluoromethane	ug/L	<0.50	<0.50		20	
Ethylbenzene	ug/L	<0.50	<0.50		20	
Hexachloro-1,3-butadiene	ug/L	<0.50	<0.50		20	
Isopropylbenzene (Cumene)	ug/L	<0.50	<0.50		20	
m&p-Xylene	ug/L	<0.50	<0.50		20	
Methyl-tert-butyl ether	ug/L	<0.50	<0.50		20	
Methylene Chloride	ug/L	<0.50	<0.50		20	
n-Butylbenzene	ug/L	<0.50	<0.50		20	
n-Propylbenzene	ug/L	<0.50	<0.50		20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

SAMPLE DUPLICATE: 1385971

Parameter	Units	70228709006 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	42.9	44.9	5	20	
Toluene	ug/L	<0.50	<0.50		20	
Total Trihalomethanes (Calc.)	ug/L	0.70	0.75	7	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	1.7	1.7	2	20	
Trichlorofluoromethane	ug/L	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	91	95		20	
4-Bromofluorobenzene (S)	%	89	90		20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

QC Batch: 274229
QC Batch Method: EPA 522
Analysis Method: EPA 522
Analysis Description: 522 MSS 1,4 Dioxane
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70228872001, 70228872003, 70228872004

METHOD BLANK: 1385065 Matrix: Drinking Water
Associated Lab Samples: 70228872001, 70228872003, 70228872004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	09/20/22 18:58	
1,4-Dioxane-d8 (S)	%	104	70-130	09/20/22 18:58	

LABORATORY CONTROL SAMPLE: 1385066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	4	4.2	106	70-130	E
1,4-Dioxane-d8 (S)	%			104	70-130	

MATRIX SPIKE SAMPLE: 1385067

Parameter	Units	70228347001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.15	4	4.6	110	70-130	E
1,4-Dioxane-d8 (S)	%				107	70-130	

SAMPLE DUPLICATE: 1385068

Parameter	Units	70228347002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.16	0.17	1	30	
1,4-Dioxane-d8 (S)	%	109	110		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK OPS 9/9
Pace Project No.: 70228872

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70228872001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	EPA 522	274229	EPA 522	274344
70228872003	**WELL 3A N-14347**	EPA 522	274229	EPA 522	274344
70228872004	**WELL 4 N-09338 (INFLUENT)**	EPA 522	274229	EPA 522	274344
70228872001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	EPA 524.2	274351		
70228872002	**GAC-3S/4S (SEAMAN NECK GAC) D**	EPA 524.2	274351		
70228872003	**WELL 3A N-14347**	EPA 524.2	274351		
70228872004	**WELL 4 N-09338 (INFLUENT)**	EPA 524.2	274351		

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Reque

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

WO# : 70228872

70228872

Section A Required Client Information:

Company:	KOMAN Government Solutions, LLC
Address:	180 Gordon Dr., Suite 110
	Exton, PA
Email To:	sroy@komangs.com
Phone: 610-400-0622	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Stephane Roy
Copy To:	NCDOH
Purchase Order No.:	
Project Name:	NYAW-MERRICK OPS FACILITY
Project Number:	02607-004

Section C Invoice Information:

Attention:	Accounts Payable
Company Name:	KOMAN Government Solutions, LL
Address:	accountspayable@komangs.com
Pace Quote Reference:	00016758
Pace Project Manager:	Stuart Murrell
Pace Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | ☑ DRINKING WATER

UST | RCRA | OTHER

Site Location STATE: NY

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	POC (VOCs by 524.2)	1,4-dioxane (522)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	GAC-3S/4S (Seaman Neck GAC Effluent)	DW	G			9.9.22	10:00		4				X					X				MS/MSD
2	GAC-3S/4S (Seaman Neck GAC Effluent)-D	DW	G			9.9.22	10:15		2				X					X				
3	Well 3A N-14347 (Influent)	DW	G			9.9.22	9:45		4						X			X	X			
4	Well 4 N-09338 (Influent)	DW	G			9.9.22	9:50		4						X			X	X			
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Requested Analysis Filtered (Y/N): Y/N = N

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
MS/MSD collected at GAC-3S/4S (Seaman Neck GAC Effluent)	Randy Hoffmaster	9.9.22		ASH (Pace)	9/9/22	12:00	0.5

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster

DATE Signed (MM/DD/YY): 9-9-2022

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

Pace Analytical®

Sample Condition Upon Receipt

WO#: 70228872
PM: KMM **Due Date: 09/20/22**
CLIENT: KGS

Client Name: KGS Projec

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

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

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Thermometer Used: ~~TH091~~ TH148 Correction Factor: + 0.1

Cooler Temperature(°C): 3.8 Cooler Temperature Corrected(°C): 3.9

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Temperature Blank Present: ☐ Yes ☒ No

Type of Ice: (Wet) Blue None

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: KWJ 9/9/22

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 orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☒ No

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

				COMMENTS:
Chain of Custody Present:	☒ Yes	☐ No		1.
Chain of Custody Filled Out:	☒ Yes	☐ No		2.
Chain of Custody Relinquished:	☒ Yes	☐ No		3.
Sampler Name & Signature on COC:	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☒ No		6.
Rush Turn Around Time Requested:	☐ Yes	☒ No		7.
Sufficient Volume: (Triple volume provided for I	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
-Pace Containers Used:	☒ Yes	☐ No		
Containers Intact:	☒ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☒ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes	☐ No		12.
-Includes date/time/ID, Matrix: SL WT OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☒ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☐ Yes	☐ No	☒ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes	☐ No	☒ N/A	14.
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☒ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No	☐ N/A	16.
Trip Blank Present:	☐ Yes	☒ No	☐ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

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

ATTACHMENT 2

MIC ANALYTICAL RESULTS FOR SEPTEMBER 2022

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

September 29, 2022

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

RE: Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on September 26, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

Kimberley M. Mack
kimberley.mack@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

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

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

SAMPLE SUMMARY

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70230880001	GAC-3S/4S-VESSEL#200-0	Drinking Water	09/26/22 09:45	09/26/22 11:20
70230880002	GAC-3S/4S-VESSEL#200-2	Drinking Water	09/26/22 09:47	09/26/22 11:20
70230880003	GAC-3S/4S-VESSEL#200-5	Drinking Water	09/26/22 09:50	09/26/22 11:20
70230880004	GAC-3S/4S-VESSEL#200-10	Drinking Water	09/26/22 09:55	09/26/22 11:20
70230880005	GAC-3S/4S-VESSEL#200-30	Drinking Water	09/26/22 10:15	09/26/22 11:20
70230880006	GAC-3S/4S-VESSEL#100-0	Drinking Water	09/26/22 09:10	09/26/22 11:20
70230880007	GAC-3S/4S-VESSEL#100-2	Drinking Water	09/26/22 09:12	09/26/22 11:20
70230880008	GAC-3S/4S-VESSEL#100-5	Drinking Water	09/26/22 09:15	09/26/22 11:20
70230880009	GAC-3S/4S-VESSEL#100-10	Drinking Water	09/26/22 09:20	09/26/22 11:20
70230880010	GAC-3S/4S-VESSEL#100-30	Drinking Water	09/26/22 09:40	09/26/22 11:20
70230880011	N-14347(SEAMAN NECK 3 WELL)-0	Drinking Water	09/26/22 10:10	09/26/22 11:20
70230880012	N-14347(SEAMAN NECK 3 WELL)-2	Drinking Water	09/26/22 10:12	09/26/22 11:20
70230880013	N-14347(SEAMAN NECK 3 WELL)-5	Drinking Water	09/26/22 10:17	09/26/22 11:20
70230880014	N-14347(SEAMAN NECK 3 WELL)-10	Drinking Water	09/26/22 10:20	09/26/22 11:20
70230880015	N-14347(SEAMAN NECK 3 WELL)-30	Drinking Water	09/26/22 10:40	09/26/22 11:20
70230880016	N-14347(SEAMAN NECK 3WELL)-30D	Drinking Water	09/26/22 10:42	09/26/22 11:20

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

SAMPLE ANALYTE COUNT

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70230880001	**GAC-3S/4S-VESSEL#200-0**	SM22 9223B Colilert	SDO	2
70230880002	**GAC-3S/4S-VESSEL#200-2**	SM22 9223B Colilert	SDO	2
70230880003	**GAC-3S/4S-VESSEL#200-5**	SM22 9223B Colilert	SDO	2
70230880004	**GAC-3S/4S-VESSEL#200-10**	SM22 9223B Colilert	SDO	2
70230880005	**GAC-3S/4S-VESSEL#200-30**	SM22 9223B Colilert	SDO	2
70230880006	**GAC-3S/4S-VESSEL#100-0**	SM22 9223B Colilert	SDO	2
70230880007	**GAC-3S/4S-VESSEL#100-2**	SM22 9223B Colilert	SDO	2
70230880008	**GAC-3S/4S-VESSEL#100-5**	SM22 9223B Colilert	SDO	2
70230880009	**GAC-3S/4S-VESSEL#100-10**	SM22 9223B Colilert	SDO	2
70230880010	**GAC-3S/4S-VESSEL#100-30**	SM22 9223B Colilert	SDO	2
70230880011	**N-14347(SEAMAN NECK 3 WELL)-0**	SM22 9223B Colilert	SDO	2
70230880012	**N-14347(SEAMAN NECK 3 WELL)-2**	SM22 9223B Colilert	SDO	2
70230880013	**N-14347(SEAMAN NECK 3 WELL)-5**	SM22 9223B Colilert	SDO	2
70230880014	**N-14347(SEAMAN NECK 3 WELL)-10**	SM22 9223B Colilert	SDO	2
70230880015	**N-14347(SEAMAN NECK 3 WELL)-30**	SM22 9223B Colilert	SDO	2
70230880016	**N-14347(SEAMAN NECK 3WELL)-30D**	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: GAC-3S/4S-VESSEL#200-0 **Lab ID: 70230880001** Collected: 09/26/22 09:45 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: GAC-3S/4S-VESSEL#200-2 **Lab ID: 70230880002** Collected: 09/26/22 09:47 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: GAC-3S/4S-VESSEL#200-5 **Lab ID: 70230880003** Collected: 09/26/22 09:50 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: GAC-3S/4S-VESSEL#200-10 **Lab ID: 70230880004** Collected: 09/26/22 09:55 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: GAC-3S/4S-VESSEL#200-30 **Lab ID: 70230880005** Collected: 09/26/22 10:15 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: GAC-3S/4S-VESSEL#100-0 **Lab ID: 70230880006** Collected: 09/26/22 09:10 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: GAC-3S/4S-VESSEL#100-2 **Lab ID: 70230880007** Collected: 09/26/22 09:12 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: GAC-3S/4S-VESSEL#100-5 **Lab ID: 70230880008** Collected: 09/26/22 09:15 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: GAC-3S/4S-VESSEL#100-10 **Lab ID: 70230880009** Collected: 09/26/22 09:20 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: GAC-3S/4S-VESSEL#100-30 **Lab ID: 70230880010** Collected: 09/26/22 09:40 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: N-14347(SEAMAN NECK 3 WELL)-0 **Lab ID: 70230880011** Collected: 09/26/22 10:10 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: N-14347(SEAMAN NECK 3 WELL)-2 **Lab ID: 70230880012** Collected: 09/26/22 10:12 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: N-14347(SEAMAN NECK 3 WELL)-5 **Lab ID: 70230880013** Collected: 09/26/22 10:17 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: N-14347(SEAMAN NECK 3 WELL)-10 **Lab ID: 70230880014** Collected: 09/26/22 10:20 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: N-14347(SEAMAN NECK 3 WELL)-30 **Lab ID: 70230880015** Collected: 09/26/22 10:40 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Sample: N-14347(SEAMAN NECK 3WELL)-30D **Lab ID: 70230880016** Collected: 09/26/22 10:42 Received: 09/26/22 11:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	09/26/22 17:38	09/27/22 11:38		
E.coli	**Absent**				1	09/26/22 17:38	09/27/22 11:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

QC Batch: 275270
QC Batch Method: SM22 9223B Colilert
Analysis Method: SM22 9223B Colilert
Analysis Description: TotColDW MBIO Total Coliform
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230880001, 70230880002, 70230880003, 70230880004, 70230880005, 70230880006, 70230880007, 70230880008, 70230880009, 70230880010, 70230880011, 70230880012, 70230880013, 70230880014, 70230880015, 70230880016

METHOD BLANK: 1391076
Matrix: Drinking Water
Associated Lab Samples: 70230880001, 70230880002, 70230880003, 70230880004, 70230880005, 70230880006, 70230880007, 70230880008, 70230880009, 70230880010, 70230880011, 70230880012, 70230880013, 70230880014, 70230880015, 70230880016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		09/27/22 11:38	
Total Coliforms		Absent		09/27/22 11:38	

SAMPLE DUPLICATE: 1391077

Parameter	Units	70230942002 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

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

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.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW - MERRICKS OPS BACT 9/26
Pace Project No.: 70230880

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70230880001	**GAC-3S/4S-VESSEL#200-0**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880002	**GAC-3S/4S-VESSEL#200-2**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880003	**GAC-3S/4S-VESSEL#200-5**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880004	**GAC-3S/4S-VESSEL#200-10**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880005	**GAC-3S/4S-VESSEL#200-30**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880006	**GAC-3S/4S-VESSEL#100-0**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880007	**GAC-3S/4S-VESSEL#100-2**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880008	**GAC-3S/4S-VESSEL#100-5**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880009	**GAC-3S/4S-VESSEL#100-10**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880010	**GAC-3S/4S-VESSEL#100-30**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880011	**N-14347(SEAMAN NECK 3 WELL)-0**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880012	**N-14347(SEAMAN NECK 3 WELL)-2**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880013	**N-14347(SEAMAN NECK 3 WELL)-5**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880014	**N-14347(SEAMAN NECK 3 WELL)-10**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880015	**N-14347(SEAMAN NECK 3 WELL)-30**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620
70230880016	**N-14347(SEAMAN NECK 3WELL)-30D**	SM22 9223B Colilert	275270	SM22 9223B Colilert	275620

WO# : 70230880

70230880

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A — Required Client Information:

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

Section B — Required Project Information:

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

Section C — Invoice Information:

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

Regulatory Agency: —

State / Location: NY

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: Y/N	Coliert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#200-0	DW	G			9.26.22	9:45		1	X									X	
2	GAC-3S/4S-Vessel#200-2	DW	G			9.26.22	9:47		1	X									X	
3	GAC-3S/4S-Vessel#200-5	DW	G			9.26.22	9:50		1	X									X	
4	GAC-3S/4S-Vessel#200-10	DW	G			9.26.22	9:55		1	X									X	
5	GAC-3S/4S-Vessel#200-30	DW	G			9.26.22	10:15		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

MATRIX: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Randy Hoffmaster	9.26.22			9/26/22	11:20	0.8 W

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster

DATE Signed: 9.26.22

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical

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

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	Copy To:	NCDOH	Company Name:	KOMAN Government Solutions, LLC
	Exton, PA			Address:	accountspayable@komangs.com
Email:	RGregory@komangs.com	Purchase Order #:	02607-204	Pace Quote:	
Phone:	(610) 400-0636 Fax	Project Name:	NYAW-MERRICK OPS FACILITY	Pace Project Manager:	Kimberley.Mack@Pacelabs.com
Requested Due Date:		Project #:	02607-204	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 (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Analyses Test: Colliert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#100-0	DW	G			9:26:22	9:10		1	X									X	
2	GAC-3S/4S-Vessel#100-2	DW	G			9:26:22	9:12		1	X									X	
3	GAC-3S/4S-Vessel#100-5	DW	G			9:26:22	9:15		1	X									X	
4	GAC-3S/4S-Vessel#100-10	DW	G			9:26:22	9:20		1	X									X	
5	GAC-3S/4S-Vessel#100-30	DW	G			9:26:22	9:40		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Randy Hoffmaster	9.26.22			9/26/22	11:20	0.8 ✓

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster DATE Signed: 9.26.22

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section 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	Copy To:	NCDOH	Company Name:	KOMAN Government Solutions, LLC
	Exton, PA			Address:	accountspayable@komangs.com
Email:	RGregory@komangs.com	Purchase Order #:	02607-204	Pace Quote:	
Phone:	(610) 400-0636 Fax:	Project Name:	NYAW-MERRICK OPS FACILITY	Pace Project Manager:	Kimberley.Mack@Pacelabs.com
Requested Due Date:		Project #:	02607-204	Pace Profile #:	

Regulatory Agency
State / Location
NY

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Analyses Test: Colilert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	N-14347 (Seaman Neck 3 Well)-0	DW	G			9/26/22	10:10		1	X									X	
2	N-14347 (Seaman Neck 3 Well)-2	DW	G			9/26/22	10:12		1	X									X	
3	N-14347 (Seaman Neck 3 Well)-5	DW	G			9/26/22	10:17		1	X									X	
4	N-14347 (Seaman Neck 3 Well)-10	DW	G			9/26/22	10:20		1	X									X	
5	N-14347 (Seaman Neck 3 Well)-30	DW	G			9/26/22	10:40		1	X									X	
6	N-14347 (Seaman Neck 3 Well)-30D	DW	G			9/26/22	10:42		1	X									X	
7																				
8																				
9																				
10																				
11																				
12																				

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Randy Hoffmaster	9-26-22			9/26/22	11:20	0.8	✓		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster DATE Signed: 9/26/2022

COC PAGE ___ of ___

Sample Container Count

WO# : 70230880

PM: KMM **Due Date: 10/03/22**

CLIENT: KGS

Client: KGS Profile # 5456

WORK ORDER NYAW-Merricks OPS Bact 9/26 Notes

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP3S	BP3R	BP1Z	BP1N	BP1B	SP5T	IR	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC
1																																									1										
2																																																					
3																																																					
4																																																					
5																																																					
6																																																					
7																																																					
8																																																					
9																																																					
10																																																					
11																																																					
12																																																					

16

Container Codes

Glass			
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass
		AG1A	(NH4Cl)
WG9O	8oz clear soil jar		
WG4O	4oz clear soil jar		

Plastic		Misc.	
BP4U	125mL unpreserved plastic	SP5T	120mL Coliform Na Thio
BP3U	250mL unpreserved plastic	R	Terracore Kit
BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar
BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
BP3C	NaOH 250mL bottle	GN	General
BP3T	250mL Trizma	WP	Wipe
BP3S	250mL Ammonium Acetate		
BP3R	250mL NH4SO4-NH4OH		
BP1Z	1L NaOH, Zn Acetate		
BP1N	1L HNO3 plastic		
BP1B	Na Thiosulfate Amber Bottle		

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

* Can also be a BP4N

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

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

Additional Comments

3 COC's Attatched

Pace Analytical®

Sample Condition Upon Rec

WO#: 70230880

PM: KMM **Due Date: 10/03/22**

CLIENT: KGS

Client Name: KGS Proje

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

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

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other

Thermometer Used: ~~TH091~~ TH148 Correction Factor: + 0.1

Cooler Temperature(°C): 0.8 Cooler Temperature Corrected(°C): 0.9

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)

Temperature Blank Present: ☐ Yes ☑ No

Type of Ice: (Wet) Blue None

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: A. S 9/26

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 orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☒ No

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

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☑ Yes	☐ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for I	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/ Matrix: SL WT OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☑ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

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