9 January 2023

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

Subject: **December 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 December 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 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.

December 2022 Sampling Summary

Monthly POC Sampling

On 5 December 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 December 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)** ***– December 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]
12/05/2022	24.6	3.9	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 Q4

On 4 December 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 5 December 2022. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

On 6 December 2022, GAC #500 and GAC #600 were taken off-line for a minimum required 12-hour period prior to collecting the quarterly MIC samples. Well No. 3A was brought online to compensate for shutdown of Well No. 4S and the other four GAC vessels continued to operate. Following the 12-hour shut-down, GAC #500 and GAC #600 were brought back on-line. Time sequenced MIC samples were collected from Well No. 4S and the GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the GAC vessels on 7 December 2022. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

On 11 December 2022, GAC #300 and GAC #400 were taken off-line for a minimum required 12-hour period prior to collecting the quarterly MIC samples. Well No. 4S and the other four GAC vessels continued to operate. Following the 12-hour shut-down, GAC #300 and GAC #400 were brought back on-line. Time sequenced MIC samples were collected from the GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the GAC vessels on 12 December 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 G Gregory

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 DECEMBER 2022

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

December 13, 2022

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

RE: Project: NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.: 70238716

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 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

CERTIFICATIONS

Project:	NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.:	70238716

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

SAMPLE SUMMARY

Project:	NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.:	70238716

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70238716001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	Drinking Water	12/05/22 10:10	12/05/22 14:13
70238716002	**GAC-3S/4S (SEAMAN NECK GAC E-D**	Drinking Water	12/05/22 10:15	12/05/22 14:13
70238716003	**WELL 3A N-14347 (INFLUENT)**	Drinking Water	12/05/22 11:00	12/05/22 14:13
70238716004	**WELL 4 N-09338 (INFLUENT)**	Drinking Water	12/05/22 11:15	12/05/22 14:13

SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.: 70238716

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70238716001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	EPA 522	IMH	2
		EPA 524.2	KGG	62
70238716002	**GAC-3S/4S (SEAMAN NECK GAC E-D**	EPA 524.2	KGG	62
70238716003	**WELL 3A N-14347 (INFLUENT)**	EPA 522	IMH	2
		EPA 524.2	KGG	62
70238716004	**WELL 4 N-09338 (INFLUENT)**	EPA 522	IMH	2
		EPA 524.2	KGG	62

PACE-MV = Pace Analytical Services - Melville

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.: 70238716

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF **Lab ID: 70238716001** Collected: 12/05/22 10:10 Received: 12/05/22 14:13 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	12/07/22 07:55	12/07/22 15:55	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	96	%	70-130		1	12/07/22 07:55	12/07/22 15:55		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50	5	1		12/12/22 11:17	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50	80	1		12/12/22 11:17	75-27-4	
Bromoform	**<0.50**	ug/L	0.50	80	1		12/12/22 11:17	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50	5	1		12/12/22 11:17	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50	100	1		12/12/22 11:17	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	75-00-3	
Chloroform	**<0.50**	ug/L	0.50	80	1		12/12/22 11:17	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50	80	1		12/12/22 11:17	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50	600	1		12/12/22 11:17	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50	75	1		12/12/22 11:17	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	75-71-8	
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50	5	1		12/12/22 11:17	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50	7	1		12/12/22 11:17	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50	70	1		12/12/22 11:17	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50	100	1		12/12/22 11:17	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50	5	1		12/12/22 11:17	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50	700	1		12/12/22 11:17	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		12/12/22 11:17	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	99-87-6	

ANALYTICAL RESULTS

Project:	NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.:	70238716

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF **Lab ID: 70238716001** Collected: 12/05/22 10:10 Received: 12/05/22 14:13 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		12/12/22 11:17	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		12/12/22 11:17	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	103-65-1	
Styrene	**<0.50**	ug/L	0.50	100	1		12/12/22 11:17	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50	5	1		12/12/22 11:17	127-18-4	
Toluene	**<0.50**	ug/L	0.50	1000	1		12/12/22 11:17	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50	80	1		12/12/22 11:17		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50	70	1		12/12/22 11:17	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50	200	1		12/12/22 11:17	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50	5	1		12/12/22 11:17	79-00-5	
Trichloroethene	**<0.50**	ug/L	0.50	5	1		12/12/22 11:17	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		12/12/22 11:17	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50	2	1		12/12/22 11:17	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		12/12/22 11:17	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	94	%	70-130		1		12/12/22 11:17	2199-69-1	
4-Bromofluorobenzene (S)	87	%	70-130		1		12/12/22 11:17	460-00-4	

ANALYTICAL RESULTS

Project:	NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.:	70238716

Sample: GAC-3S/4S (SEAMAN NECK GAC E-D **Lab ID: 70238716002** Collected: 12/05/22 10:15 Received: 12/05/22 14:13 Matrix: Drinking Water

524.2 MSV

Analytical Method: EPA 524.2
Pace Analytical Services - Melville

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Benzene	**<0.50**	ug/L	0.50	5	1		12/12/22 11:44	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50	80	1		12/12/22 11:44	75-27-4	
Bromoform	**<0.50**	ug/L	0.50	80	1		12/12/22 11:44	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50	5	1		12/12/22 11:44	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50	100	1		12/12/22 11:44	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	75-00-3	
Chloroform	**<0.50**	ug/L	0.50	80	1		12/12/22 11:44	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50	80	1		12/12/22 11:44	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50	600	1		12/12/22 11:44	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50	75	1		12/12/22 11:44	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	75-71-8	
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50	5	1		12/12/22 11:44	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50	7	1		12/12/22 11:44	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50	70	1		12/12/22 11:44	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50	100	1		12/12/22 11:44	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50	5	1		12/12/22 11:44	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50	700	1		12/12/22 11:44	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		12/12/22 11:44	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	99-87-6	
Methylene Chloride	**<0.50**	ug/L	0.50	5	1		12/12/22 11:44	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		12/12/22 11:44	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	103-65-1	
Styrene	**<0.50**	ug/L	0.50	100	1		12/12/22 11:44	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	79-34-5	

ANALYTICAL RESULTS

Project:	NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.:	70238716

Sample: GAC-3S/4S (SEAMAN NECK GAC E-D **Lab ID: 70238716002** Collected: 12/05/22 10:15 Received: 12/05/22 14:13 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		12/12/22 11:44	127-18-4	
Toluene	**<0.50**	ug/L	0.50	1000	1		12/12/22 11:44	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50	80	1		12/12/22 11:44		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50	70	1		12/12/22 11:44	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50	200	1		12/12/22 11:44	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50	5	1		12/12/22 11:44	79-00-5	
Trichloroethene	**<0.50**	ug/L	0.50	5	1		12/12/22 11:44	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		12/12/22 11:44	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50	2	1		12/12/22 11:44	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		12/12/22 11:44	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		12/12/22 11:44	2199-69-1	
4-Bromofluorobenzene (S)	84	%	70-130		1		12/12/22 11:44	460-00-4	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.: 70238716

Sample: WELL 3A N-14347 (INFLUENT) **Lab ID: 70238716003** Collected: 12/05/22 11:00 Received: 12/05/22 14:13 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)	**2.3**	ug/L	0.020		1	12/07/22 07:55	12/07/22 16:29	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	97	%	70-130		1	12/07/22 07:55	12/07/22 16:29		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50	5	1		12/12/22 12:11	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50	80	1		12/12/22 12:11	75-27-4	
Bromoform	**<0.50**	ug/L	0.50	80	1		12/12/22 12:11	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50	5	1		12/12/22 12:11	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50	100	1		12/12/22 12:11	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	75-00-3	
Chloroform	**<0.50**	ug/L	0.50	80	1		12/12/22 12:11	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50	80	1		12/12/22 12:11	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50	600	1		12/12/22 12:11	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50	75	1		12/12/22 12:11	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	75-71-8	
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50	5	1		12/12/22 12:11	107-06-2	
1,1-Dichloroethene	**0.61**	ug/L	0.50	7	1		12/12/22 12:11	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50	70	1		12/12/22 12:11	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50	100	1		12/12/22 12:11	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50	5	1		12/12/22 12:11	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50	700	1		12/12/22 12:11	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		12/12/22 12:11	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	99-87-6	

ANALYTICAL RESULTS

Project:	NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.:	70238716

Sample: WELL 3A N-14347 (INFLUENT) **Lab ID: 70238716003** Collected: 12/05/22 11:00 Received: 12/05/22 14:13 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		12/12/22 12:11	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		12/12/22 12:11	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	103-65-1	
Styrene	**<0.50**	ug/L	0.50	100	1		12/12/22 12:11	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50	5	1		12/12/22 12:11	127-18-4	
Toluene	**<0.50**	ug/L	0.50	1000	1		12/12/22 12:11	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50	80	1		12/12/22 12:11		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50	70	1		12/12/22 12:11	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50	200	1		12/12/22 12:11	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50	5	1		12/12/22 12:11	79-00-5	
Trichloroethene	**24.6**	ug/L	0.50	5	1		12/12/22 12:11	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		12/12/22 12:11	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50	2	1		12/12/22 12:11	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		12/12/22 12:11	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		12/12/22 12:11	2199-69-1	
4-Bromofluorobenzene (S)	85	%	70-130		1		12/12/22 12:11	460-00-4	

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.: 70238716

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70238716004** Collected: 12/05/22 11:15 Received: 12/05/22 14:13 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)	**1.8**	ug/L	0.020		1	12/07/22 07:55	12/07/22 16:46	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	95	%	70-130		1	12/07/22 07:55	12/07/22 16:46		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50	5	1		12/12/22 12:37	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50	80	1		12/12/22 12:37	75-27-4	
Bromoform	**<0.50**	ug/L	0.50	80	1		12/12/22 12:37	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50	5	1		12/12/22 12:37	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50	100	1		12/12/22 12:37	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	75-00-3	
Chloroform	**<0.50**	ug/L	0.50	80	1		12/12/22 12:37	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50	80	1		12/12/22 12:37	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50	600	1		12/12/22 12:37	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50	75	1		12/12/22 12:37	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	75-71-8	
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50	5	1		12/12/22 12:37	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50	7	1		12/12/22 12:37	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50	70	1		12/12/22 12:37	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50	100	1		12/12/22 12:37	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50	5	1		12/12/22 12:37	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50	700	1		12/12/22 12:37	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		12/12/22 12:37	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	99-87-6	

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.: 70238716

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70238716004** Collected: 12/05/22 11:15 Received: 12/05/22 14:13 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		12/12/22 12:37	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		12/12/22 12:37	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	103-65-1	
Styrene	**<0.50**	ug/L	0.50	100	1		12/12/22 12:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50	5	1		12/12/22 12:37	127-18-4	
Toluene	**<0.50**	ug/L	0.50	1000	1		12/12/22 12:37	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50	80	1		12/12/22 12:37		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50	70	1		12/12/22 12:37	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50	200	1		12/12/22 12:37	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50	5	1		12/12/22 12:37	79-00-5	
Trichloroethene	**3.9**	ug/L	0.50	5	1		12/12/22 12:37	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		12/12/22 12:37	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50	2	1		12/12/22 12:37	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		12/12/22 12:37	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	90	%	70-130		1		12/12/22 12:37	2199-69-1	
4-Bromofluorobenzene (S)	83	%	70-130		1		12/12/22 12:37	460-00-4	

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.: 70238716

QC Batch:	285597	Analysis Method:	EPA 524.2
QC Batch Method:	EPA 524.2	Analysis Description:	524.2 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70238716001, 70238716002, 70238716003, 70238716004

METHOD BLANK: 1443153 Matrix: Water

Associated Lab Samples: 70238716001, 70238716002, 70238716003, 70238716004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	12/12/22 08:28	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	12/12/22 08:28	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	12/12/22 08:28	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	12/12/22 08:28	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	12/12/22 08:28	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	12/12/22 08:28	
1,1-Dichloroethene	ug/L	<0.50	0.50	12/12/22 08:28	
1,1-Dichloropropene	ug/L	<0.50	0.50	12/12/22 08:28	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	12/12/22 08:28	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	12/12/22 08:28	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	12/12/22 08:28	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	12/12/22 08:28	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	12/12/22 08:28	
1,2-Dichloroethane	ug/L	<0.50	0.50	12/12/22 08:28	
1,2-Dichloropropane	ug/L	<0.50	0.50	12/12/22 08:28	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	12/12/22 08:28	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	12/12/22 08:28	
1,3-Dichloropropane	ug/L	<0.50	0.50	12/12/22 08:28	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	12/12/22 08:28	
2,2-Dichloropropane	ug/L	<0.50	0.50	12/12/22 08:28	
2-Chlorotoluene	ug/L	<0.50	0.50	12/12/22 08:28	
4-Chlorotoluene	ug/L	<0.50	0.50	12/12/22 08:28	
Benzene	ug/L	<0.50	0.50	12/12/22 08:28	
Bromobenzene	ug/L	<0.50	0.50	12/12/22 08:28	
Bromochloromethane	ug/L	<0.50	0.50	12/12/22 08:28	
Bromodichloromethane	ug/L	<0.50	0.50	12/12/22 08:28	
Bromoform	ug/L	<0.50	0.50	12/12/22 08:28	
Bromomethane	ug/L	<0.50	0.50	12/12/22 08:28	
Carbon tetrachloride	ug/L	<0.50	0.50	12/12/22 08:28	
Chlorobenzene	ug/L	<0.50	0.50	12/12/22 08:28	
Chlorodifluoromethane	ug/L	<0.50	0.50	12/12/22 08:28	N3
Chloroethane	ug/L	<0.50	0.50	12/12/22 08:28	
Chloroform	ug/L	<0.50	0.50	12/12/22 08:28	
Chloromethane	ug/L	<0.50	0.50	12/12/22 08:28	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	12/12/22 08:28	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	12/12/22 08:28	
Dibromochloromethane	ug/L	<0.50	0.50	12/12/22 08:28	
Dibromomethane	ug/L	<0.50	0.50	12/12/22 08:28	
Dichlorodifluoromethane	ug/L	<0.50	0.50	12/12/22 08:28	
Ethylbenzene	ug/L	<0.50	0.50	12/12/22 08:28	

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.

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.: 70238716

METHOD BLANK: 1443153 Matrix: Water

Associated Lab Samples: 70238716001, 70238716002, 70238716003, 70238716004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	12/12/22 08:28	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	12/12/22 08:28	
m&p-Xylene	ug/L	<0.50	0.50	12/12/22 08:28	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	12/12/22 08:28	
Methylene Chloride	ug/L	<0.50	0.50	12/12/22 08:28	
n-Butylbenzene	ug/L	<0.50	0.50	12/12/22 08:28	
n-Propylbenzene	ug/L	<0.50	0.50	12/12/22 08:28	
o-Xylene	ug/L	<0.50	0.50	12/12/22 08:28	
p-Isopropyltoluene	ug/L	<0.50	0.50	12/12/22 08:28	
sec-Butylbenzene	ug/L	<0.50	0.50	12/12/22 08:28	
Styrene	ug/L	<0.50	0.50	12/12/22 08:28	
tert-Butylbenzene	ug/L	<0.50	0.50	12/12/22 08:28	
Tetrachloroethene	ug/L	<0.50	0.50	12/12/22 08:28	
Toluene	ug/L	<0.50	0.50	12/12/22 08:28	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	12/12/22 08:28	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	12/12/22 08:28	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	12/12/22 08:28	
Trichloroethene	ug/L	<0.50	0.50	12/12/22 08:28	
Trichlorofluoromethane	ug/L	<0.50	0.50	12/12/22 08:28	
Vinyl chloride	ug/L	<0.50	0.50	12/12/22 08:28	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	12/12/22 08:28	
4-Bromofluorobenzene (S)	%	87	70-130	12/12/22 08:28	

LABORATORY CONTROL SAMPLE: 1443154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	10.6	106	70-130	
1,1,1-Trichloroethane	ug/L	10	10.3	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	11.0	110	70-130	
1,1,2-Trichloroethane	ug/L	10	10.9	109	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	10.9	109	70-130	IH,N3
1,1-Dichloroethane	ug/L	10	10.7	107	70-130	
1,1-Dichloroethene	ug/L	10	9.8	98	70-130	
1,1-Dichloropropene	ug/L	10	10.7	107	70-130	
1,2,3-Trichlorobenzene	ug/L	10	10.0	100	70-130	
1,2,3-Trichloropropane	ug/L	10	10.2	102	70-130	
1,2,4-Trichlorobenzene	ug/L	10	10.3	103	70-130	
1,2,4-Trimethylbenzene	ug/L	10	10.7	107	70-130	
1,2-Dichlorobenzene	ug/L	10	11.4	114	70-130	
1,2-Dichloroethane	ug/L	10	10.5	105	70-130	
1,2-Dichloropropane	ug/L	10	10.9	109	70-130	
1,3,5-Trimethylbenzene	ug/L	10	10.6	106	70-130	
1,3-Dichlorobenzene	ug/L	10	11.9	119	70-130	
1,3-Dichloropropane	ug/L	10	11.0	110	70-130	

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.

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.: 70238716

LABORATORY CONTROL SAMPLE: 1443154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	11.8	118	70-130	
2,2-Dichloropropane	ug/L	10	10.5	105	70-130	
2-Chlorotoluene	ug/L	10	10.9	109	70-130	
4-Chlorotoluene	ug/L	10	10.9	109	70-130	
Benzene	ug/L	10	11.1	111	70-130	
Bromobenzene	ug/L	10	11.6	116	70-130	
Bromochloromethane	ug/L	10	10.7	107	70-130	
Bromodichloromethane	ug/L	10	9.7	97	70-130	
Bromoform	ug/L	10	8.8	88	70-130	
Bromomethane	ug/L	10	9.5	95	70-130	
Carbon tetrachloride	ug/L	10	10	100	70-130	
Chlorobenzene	ug/L	10	10.9	109	70-130	
Chlorodifluoromethane	ug/L	10	9.0	90	70-130	N3
Chloroethane	ug/L	10	9.4	94	70-130	
Chloroform	ug/L	10	10.8	108	70-130	
Chloromethane	ug/L	10	8.7	87	70-130	
cis-1,2-Dichloroethene	ug/L	10	10.4	104	70-130	
cis-1,3-Dichloropropene	ug/L	10	10.3	103	70-130	
Dibromochloromethane	ug/L	10	9.6	96	70-130	
Dibromomethane	ug/L	10	10.6	106	70-130	
Dichlorodifluoromethane	ug/L	10	9.0	90	70-130	
Ethylbenzene	ug/L	10	11.1	111	70-130	
Hexachloro-1,3-butadiene	ug/L	10	10.6	106	70-130	
Isopropylbenzene (Cumene)	ug/L	10	10.7	107	70-130	
m&p-Xylene	ug/L	20	21.4	107	70-130	
Methyl-tert-butyl ether	ug/L	10	10.3	103	70-130	IH
Methylene Chloride	ug/L	10	10.2	102	70-130	
n-Butylbenzene	ug/L	10	11.1	111	70-130	
n-Propylbenzene	ug/L	10	11.2	112	70-130	
o-Xylene	ug/L	10	10.8	108	70-130	
p-Isopropyltoluene	ug/L	10	10.7	107	70-130	
sec-Butylbenzene	ug/L	10	10.7	107	70-130	
Styrene	ug/L	10	11.3	113	70-130	
tert-Butylbenzene	ug/L	10	10.6	106	70-130	
Tetrachloroethene	ug/L	10	11.2	112	70-130	
Toluene	ug/L	10	10.9	109	70-130	
Total Trihalomethanes (Calc.)	ug/L		38.9			
trans-1,2-Dichloroethene	ug/L	10	11.0	110	70-130	
trans-1,3-Dichloropropene	ug/L	10	10.3	103	70-130	
Trichloroethene	ug/L	10	10.8	108	70-130	
Trichlorofluoromethane	ug/L	10	10.4	104	70-130	
Vinyl chloride	ug/L	10	9.9	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			109	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	

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QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.: 70238716

SAMPLE DUPLICATE: 1444065

Parameter	Units	70238962015 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	<0.50		20	
1,1,1-Trichloroethane	ug/L	ND	<0.50		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	<0.50		20	
1,1,2-Trichloroethane	ug/L	ND	<0.50		20	
1,1,2-Trichlorotrifluoroethane	ug/L		<0.50			N3
1,1-Dichloroethane	ug/L	ND	<0.50		20	
1,1-Dichloroethene	ug/L	ND	<0.50		20	
1,1-Dichloropropene	ug/L	ND	<0.50		20	
1,2,3-Trichlorobenzene	ug/L	ND	<0.50		20	
1,2,3-Trichloropropane	ug/L	ND	<0.50		20	
1,2,4-Trichlorobenzene	ug/L	ND	<0.50		20	
1,2,4-Trimethylbenzene	ug/L	ND	<0.50		20	
1,2-Dichlorobenzene	ug/L	ND	<0.50		20	
1,2-Dichloroethane	ug/L	ND	<0.50		20	
1,2-Dichloropropane	ug/L	ND	<0.50		20	
1,3,5-Trimethylbenzene	ug/L	ND	<0.50		20	
1,3-Dichlorobenzene	ug/L	ND	<0.50		20	
1,3-Dichloropropane	ug/L	ND	<0.50		20	
1,4-Dichlorobenzene	ug/L	ND	<0.50		20	
2,2-Dichloropropane	ug/L	ND	<0.50		20	
2-Chlorotoluene	ug/L	ND	<0.50		20	
4-Chlorotoluene	ug/L	ND	<0.50		20	
Benzene	ug/L	ND	<0.50		20	
Bromobenzene	ug/L	ND	<0.50		20	
Bromochloromethane	ug/L	ND	<0.50		20	
Bromodichloromethane	ug/L	ND	<0.50		20	
Bromoform	ug/L	ND	<0.50		20	
Bromomethane	ug/L	ND	<0.50		20	
Carbon tetrachloride	ug/L	ND	<0.50		20	
Chlorobenzene	ug/L	ND	<0.50		20	
Chlorodifluoromethane	ug/L		<0.50			N3
Chloroethane	ug/L	ND	<0.50		20	
Chloroform	ug/L	ND	<0.50		20	
Chloromethane	ug/L	ND	<0.50		20	
cis-1,2-Dichloroethene	ug/L	ND	<0.50		20	
cis-1,3-Dichloropropene	ug/L	ND	<0.50		20	
Dibromochloromethane	ug/L	ND	<0.50		20	
Dibromomethane	ug/L	ND	<0.50		20	
Dichlorodifluoromethane	ug/L	ND	<0.50		20	
Ethylbenzene	ug/L	ND	<0.50		20	
Hexachloro-1,3-butadiene	ug/L	ND	<0.50		20	
Isopropylbenzene (Cumene)	ug/L	ND	<0.50		20	
m&p-Xylene	ug/L	ND	<0.50		20	
Methyl-tert-butyl ether	ug/L	ND	<0.50		20	
Methylene Chloride	ug/L	ND	<0.50		20	
n-Butylbenzene	ug/L	ND	<0.50		20	
n-Propylbenzene	ug/L	ND	<0.50		20	

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.

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.: 70238716

SAMPLE DUPLICATE: 1444065

Parameter	Units	70238962015 Result	Dup Result	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	ND	<0.50		20	
p-Isopropyltoluene	ug/L	ND	<0.50		20	
sec-Butylbenzene	ug/L	ND	<0.50		20	
Styrene	ug/L	ND	<0.50		20	
tert-Butylbenzene	ug/L	ND	<0.50		20	
Tetrachloroethene	ug/L	ND	<0.50		20	
Toluene	ug/L	1.9	2.2	12	20	
Total Trihalomethanes (Calc.)	ug/L	ND	<0.50		20	
trans-1,2-Dichloroethene	ug/L	ND	<0.50		20	
trans-1,3-Dichloropropene	ug/L	ND	<0.50		20	
Trichloroethene	ug/L	ND	<0.50		20	
Trichlorofluoromethane	ug/L	ND	<0.50		20	
Vinyl chloride	ug/L	ND	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	96	92		20	
4-Bromofluorobenzene (S)	%	88	88		20	

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.

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.: 70238716

QC Batch: 284753
QC Batch Method: EPA 522
Analysis Method: EPA 522
Analysis Description: 522 MSS 1,4 Dioxane
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70238716001, 70238716003, 70238716004

METHOD BLANK: 1438602
Matrix: Drinking Water
Associated Lab Samples: 70238716001, 70238716003, 70238716004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	12/07/22 13:22	
1,4-Dioxane-d8 (S)	%	86	70-130	12/07/22 13:22	

LABORATORY CONTROL SAMPLE: 1438603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	4	3.8	94	70-130	
1,4-Dioxane-d8 (S)	%			90	70-130	

MATRIX SPIKE SAMPLE: 1438604

Parameter	Units	70238660001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.20	4	4.1	99	70-130	E
1,4-Dioxane-d8 (S)	%				94	70-130	

SAMPLE DUPLICATE: 1438885

Parameter	Units	70238696001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.48	0.48	0	30	
1,4-Dioxane-d8 (S)	%	93	93		30	

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

QUALIFIERS

Project:	NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.:	70238716

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:	NYAW-MERRICK OPS FACILITY 12/5
Pace Project No.:	70238716

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70238716001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	EPA 522	284753	EPA 522	285005
70238716003	**WELL 3A N-14347 (INFLUENT)**	EPA 522	284753	EPA 522	285005
70238716004	**WELL 4 N-09338 (INFLUENT)**	EPA 522	284753	EPA 522	285005
70238716001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	EPA 524.2	285597		
70238716002	**GAC-3S/4S (SEAMAN NECK GAC E-D**	EPA 524.2	285597		
70238716003	**WELL 3A N-14347 (INFLUENT)**	EPA 524.2	285597		
70238716004	**WELL 4 N-09338 (INFLUENT)**	EPA 524.2	285597		

WO#: 70238716

70238716

Pace Analytical

CHAIN-OF-CUSTODY / Ana

The Chain-of-Custody is a LEGAL DOCUM

Page : 1 Of 1

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 #: 02607-005
Project Name: NYAW-MERRICK OPS FACILITY
Project #: 02607-005

Section C
Invoice Information:

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

Requested Analysis Filtered (Y/N)

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	Y/N Analyses Test	POC (VOCs by 524.2)	1,4-dioxane (522)	Residual Chlorine (Y/N)
1	GAC-3S/4S (Seaman Neck GAC Effluent)	DW	G			12.5.22	10:10		4				X		X				X	X	
2	GAC-3S/4S (Seaman Neck GAC Effluent)-D	DW	G			12.5.22	10:15		2				X						X		
3	Well 3A N-14347 (Influent)	DW	G			12.5.22	11:00		4				X		X				X	X	
4	Well 4 N-09338 (Influent)	DW	G			12.5.22	11:15		4				X		X				X	X	
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

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	12.5.22		[illegible] PCLI (W)	12-5	12:32	3.8	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster

DATE Signed: 12.5.2022

Pace Analytical®

Client Name: KOMAN

Pro

WO#:70238716
PM: KMM **Due Date: 12/14/22**
CLIENT: KGS

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

Tracking #:

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

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

Type of Ice: [✓ Wet] Blue None

Thermometer Used: TH148 Correction Factor: + 0.1

☐ Samples on ice, cooling process has begun

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

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: AD 12/5/22

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	☑ Yes	☐ No		8.
Correct Containers Used: -Pace Containers Used:	☑ Yes ☑ Yes	☐ No ☐ No		9.
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: -Includes date/time/ID, Matrix: SL [✓ WT] OIL	☑ Yes	☐ No		12.
All containers needing preservation have been checked? 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) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☐ Yes ☐ Yes	☐ No ☐ No	☑ N/A ☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH⁻ ☐ 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 #	☐ Yes	☐ No	☑ N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	☐ Yes	☐ No	☑ N/A	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	16.
Trip Blank Present: Trip Blank Custody Seals Present Pace Trip Blank Lot # (if applicable):__________	☐ Yes ☐ Yes	☑ No ☐ No	☐ N/A ☑ 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 – Q4 2022

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

December 07, 2022

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

RE: Project: SEAMAN NECK WELL 3 BACT SERIES
Pace Project No.: 70238748

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 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

CERTIFICATIONS

Project:	SEAMAN NECK WELL 3 BACT SERIES
Pace Project No.:	70238748

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

SAMPLE SUMMARY

Project:	SEAMAN NECK WELL 3 BACT SERIES
Pace Project No.:	70238748

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70238748001	**N-14347 (SEAMAN NECK 3 WELL)-0**	Drinking Water	12/05/22 10:20	12/05/22 12:32
70238748002	**N-14347 (SEAMAN NECK 3 WELL)-2**	Drinking Water	12/05/22 10:22	12/05/22 12:32
70238748003	**N-14347 (SEAMAN NECK 3 WELL)-5**	Drinking Water	12/05/22 10:25	12/05/22 12:32
70238748004	**N-14347 (SEAMAN NECK 3 WELL)10**	Drinking Water	12/05/22 10:30	12/05/22 12:32
70238748005	**N-14347 (SEAMAN NECK 3 WELL)30**	Drinking Water	12/05/22 10:50	12/05/22 12:32
70238748006	**N-14347 (SEAMAN NECK 3 WELL)-D**	Drinking Water	12/05/22 10:50	12/05/22 12:32

SAMPLE ANALYTE COUNT

Project: SEAMAN NECK WELL 3 BACT SERIES
Pace Project No.: 70238748

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70238748001	**N-14347 (SEAMAN NECK 3 WELL)-0**	SM22 9223B Colilert	GML	2
70238748002	**N-14347 (SEAMAN NECK 3 WELL)-2**	SM22 9223B Colilert	GML	2
70238748003	**N-14347 (SEAMAN NECK 3 WELL)-5**	SM22 9223B Colilert	GML	2
70238748004	**N-14347 (SEAMAN NECK 3 WELL)10**	SM22 9223B Colilert	GML	2
70238748005	**N-14347 (SEAMAN NECK 3 WELL)30**	SM22 9223B Colilert	GML	2
70238748006	**N-14347 (SEAMAN NECK 3 WELL)-D**	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

ANALYTICAL RESULTS

Project: SEAMAN NECK WELL 3 BACT SERIES
Pace Project No.: 70238748

Sample: N-14347 (SEAMAN NECK 3 WELL)-0 **Lab ID: 70238748001** Collected: 12/05/22 10:20 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

ANALYTICAL RESULTS

Project: SEAMAN NECK WELL 3 BACT SERIES
Pace Project No.: 70238748

Sample: N-14347 (SEAMAN NECK 3 WELL)-2 **Lab ID: 70238748002** Collected: 12/05/22 10:22 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

ANALYTICAL RESULTS

Project: SEAMAN NECK WELL 3 BACT SERIES
Pace Project No.: 70238748

Sample: N-14347 (SEAMAN NECK 3 WELL)-5 **Lab ID: 70238748003** Collected: 12/05/22 10:25 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

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ANALYTICAL RESULTS

Project: SEAMAN NECK WELL 3 BACT SERIES
Pace Project No.: 70238748

Sample: N-14347 (SEAMAN NECK 3 WELL)10 **Lab ID: 70238748004** Collected: 12/05/22 10:30 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

ANALYTICAL RESULTS

Project: SEAMAN NECK WELL 3 BACT SERIES
Pace Project No.: 70238748

Sample: N-14347 (SEAMAN NECK 3 WELL)30 **Lab ID: 70238748005** Collected: 12/05/22 10:50 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

ANALYTICAL RESULTS

Project:	SEAMAN NECK WELL 3 BACT SERIES
Pace Project No.:	70238748

Sample: N-14347 (SEAMAN NECK 3 WELL)-D **Lab ID: 70238748006** Collected: 12/05/22 10:50 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

QUALITY CONTROL DATA

Project:	SEAMAN NECK WELL 3 BACT SERIES
Pace Project No.:	70238748

QC Batch:	284865	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: 70238748001, 70238748002, 70238748003, 70238748004, 70238748005, 70238748006

METHOD BLANK: 1439129 Matrix: Drinking Water

Associated Lab Samples: 70238748001, 70238748002, 70238748003, 70238748004, 70238748005, 70238748006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		12/06/22 11:15	
Total Coliforms		Absent		12/06/22 11:15	

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.

QUALIFIERS

Project:	SEAMAN NECK WELL 3 BACT SERIES
Pace Project No.:	70238748

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.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SEAMAN NECK WELL 3 BACT SERIES
Pace Project No.: 70238748

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70238748001	**N-14347 (SEAMAN NECK 3 WELL)-0**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992
70238748002	**N-14347 (SEAMAN NECK 3 WELL)-2**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992
70238748003	**N-14347 (SEAMAN NECK 3 WELL)-5**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992
70238748004	**N-14347 (SEAMAN NECK 3 WELL)10**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992
70238748005	**N-14347 (SEAMAN NECK 3 WELL)30**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992
70238748006	**N-14347 (SEAMAN NECK 3 WELL)-D**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992

Pace Analytical

WO#: 70238748

70238748

CHAIN-OF-CUST

The Chain-of-Custody is a rately.

Page : 1 Of 1

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
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

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

Requested Analysis Filtered (Y/N)

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	Y/N Analyses Test	Colilert (Fecal/Ecoli)												Residual Chlorine (Y/N)	
1	N-14347 (Seaman Neck 3 Well)-0	DW	G			12-5-22	10:20		1	X									X													
2	N-14347 (Seaman Neck 3 Well)-2	DW	G			12-5-22	10:22		1	X									X													
3	N-14347 (Seaman Neck 3 Well)-5	DW	G			12-5-22	10:25		1	X									X													
4	N-14347 (Seaman Neck 3 Well)-10	DW	G			12-5-22	10:30		1	X									X													
5	N-14347 (Seaman Neck 3 Well)-30	DW	G			12-5-22	10:50		1	X									X													
6	N-14347 (Seaman Neck 3 Well)-30D	DW	G			12-5-22	10:55		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	12-5-22		PCLI (W)	12-5	12:32	3.8	Y	N	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster

DATE Signed: 12-5-22

Pace Analytical

Client Name: COMAN

WO#: 70238748

PM: KMM Due Date: 12/12/22

CLIENT: KGS

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

Tracking #: ____________________

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

Type of Ice: [✓ Wet] Blue None

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

Thermometer Used: TH148 Correction Factor: + 0.1

☐ Samples on ice, cooling process has begun

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

Date/Time 5035A kits placed in freezer ____________

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: AD 12/5/22

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	☒ Yes	☐ No		8.		
Correct Containers Used: -Pace Containers Used:	☒ Yes ☒ Yes	☐ No ☐ No		9.		
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: -Includes date/time/ID/Matrix: SL [✓ WT] OIL	☒ Yes	☐ No		12.		
All containers needing preservation have been checked? pH paper Lot #	☐ Yes	☐ No	☒ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl		
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: KI starch test strips Lot # Residual chlorine strips Lot #	☐ Yes	☐ No	☒ N/A	14. Positive for Res. Chlorine? Y N		
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	☐ Yes	☐ No	☒ N/A	15. 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.

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

December 07, 2022

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

RE: Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238750

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 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

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project:	GAC-3S/4S BAC SERIES 12/5
Pace Project No.:	70238750

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

SAMPLE SUMMARY

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238750

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70238750001	**GAC-3S/4S-VESSEL#100-0**	Drinking Water	12/05/22 08:50	12/05/22 12:32
70238750002	**GAC-3S/4S-VESSEL#100-2**	Drinking Water	12/05/22 08:52	12/05/22 12:32
70238750003	**GAC-3S/4S-VESSEL#100-5**	Drinking Water	12/05/22 08:55	12/05/22 12:32
70238750004	**GAC-3S/4S-VESSEL#100-10**	Drinking Water	12/05/22 09:00	12/05/22 12:32
70238750005	**GAC-3S/4S-VESSEL#100-30**	Drinking Water	12/05/22 09:20	12/05/22 12:32

SAMPLE ANALYTE COUNT

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238750

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70238750001	**GAC-3S/4S-VESSEL#100-0**	SM22 9223B Colilert	GML	2
70238750002	**GAC-3S/4S-VESSEL#100-2**	SM22 9223B Colilert	GML	2
70238750003	**GAC-3S/4S-VESSEL#100-5**	SM22 9223B Colilert	GML	2
70238750004	**GAC-3S/4S-VESSEL#100-10**	SM22 9223B Colilert	GML	2
70238750005	**GAC-3S/4S-VESSEL#100-30**	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238750

Sample: GAC-3S/4S-VESSEL#100-0 **Lab ID: 70238750001** Collected: 12/05/22 08:50 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

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ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238750

Sample: GAC-3S/4S-VESSEL#100-2 **Lab ID: 70238750002** Collected: 12/05/22 08:52 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238750

Sample: GAC-3S/4S-VESSEL#100-5 **Lab ID: 70238750003** Collected: 12/05/22 08:55 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

ANALYTICAL RESULTS

Project:	GAC-3S/4S BAC SERIES 12/5
Pace Project No.:	70238750

Sample: GAC-3S/4S-VESSEL#100-10 **Lab ID: 70238750004** Collected: 12/05/22 09:00 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238750

Sample: GAC-3S/4S-VESSEL#100-30 **Lab ID: 70238750005** Collected: 12/05/22 09:20 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

QUALITY CONTROL DATA

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238750

QC Batch: 284865
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: 70238750001, 70238750002, 70238750003, 70238750004, 70238750005

METHOD BLANK: 1439129
Matrix: Drinking Water
Associated Lab Samples: 70238750001, 70238750002, 70238750003, 70238750004, 70238750005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		12/06/22 11:15	
Total Coliforms		Absent		12/06/22 11:15	

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.

QUALIFIERS

Project:	GAC-3S/4S BAC SERIES 12/5
Pace Project No.:	70238750

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.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238750

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70238750001	**GAC-3S/4S-VESSEL#100-0**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992
70238750002	**GAC-3S/4S-VESSEL#100-2**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992
70238750003	**GAC-3S/4S-VESSEL#100-5**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992
70238750004	**GAC-3S/4S-VESSEL#100-10**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992
70238750005	**GAC-3S/4S-VESSEL#100-30**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992

Pace Analytical

WO# : 70238750

70238750

CHAIN-OF-CUS

The Chain-of-Custody is … curately.

Page : 1	Of 1

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

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

Requested Analysis Filtered (Y/N)

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	Y/N Analyses Test	Colilert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#100-0	DW	G			12.5.22	8:50		1	X									X	
2	GAC-3S/4S-Vessel#100-2	DW	G			12.5.22	8:51		1	X									X	
3	GAC-3S/4S-Vessel#100-5	DW	G			12.5.22	8:55		1	X									X	
4	GAC-3S/4S-Vessel#100-10	DW	G			12.5.22	9:00		1	X									X	
5	GAC-3S/4S-Vessel#100-30	DW	G			12.5.22	9:30		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

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	12.5.22		ALI (W)	3.8	12:32	3.8	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster

DATE Signed: 12.5.22

Pace Analytical

Client Name: COMAN

WO#:70238750

PM: KMM **Due Date: 12/12/22**

CLIENT: KGS

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

Tracking #:

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

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

Thermometer Used: TH148 Correction Factor: + 0.1 ☐Samples on ice, cooling process has begun

Cooler Temperature(°C): 3.8 Cooler Temperature Corrected(°C): 3.9 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: AD 12/5/22

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	☑Yes	☐No		8.
Correct Containers Used: -Pace Containers Used:	☑Yes ☑Yes	☐No ☐No		9.
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: -Includes date/time/ID/Matrix: SL [✓ WT] OIL	☑Yes	☐No		12.
All containers needing preservation have been checked? pH paper Lot #	☐Yes	☐No	☑N/A	13. ☐HNO$_3$ ☐H$_2$SO$_4$ ☐NaOH ☐HCl
All containers needing preservation are found to be in compliance with method recommendation? (HNO$_3$, H$_2$SO$_4$, 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: KI starch test strips Lot # Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	☐Yes	☐No	☑N/A	15. 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.

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

December 07, 2022

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

RE: Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238749

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 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

CERTIFICATIONS

Project:	GAC-3S/4S BAC SERIES 12/5
Pace Project No.:	70238749

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

SAMPLE SUMMARY

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238749

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70238749001	**GAC-3S/4S-VESSEL#200-0**	Drinking Water	12/05/22 09:30	12/05/22 12:32
70238749002	**GAC-3S/4S-VESSEL#200-2**	Drinking Water	12/05/22 09:32	12/05/22 12:32
70238749003	**GAC-3S/4S-VESSEL#200-5**	Drinking Water	12/05/22 09:35	12/05/22 12:32
70238749004	**GAC-3S/4S-VESSEL#200-10**	Drinking Water	12/05/22 09:40	12/05/22 12:32
70238749005	**GAC-3S/4S-VESSEL#200-30**	Drinking Water	12/05/22 10:00	12/05/22 12:32

SAMPLE ANALYTE COUNT

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238749

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70238749001	**GAC-3S/4S-VESSEL#200-0**	SM22 9223B Colilert	GML	2
70238749002	**GAC-3S/4S-VESSEL#200-2**	SM22 9223B Colilert	GML	2
70238749003	**GAC-3S/4S-VESSEL#200-5**	SM22 9223B Colilert	GML	2
70238749004	**GAC-3S/4S-VESSEL#200-10**	SM22 9223B Colilert	GML	2
70238749005	**GAC-3S/4S-VESSEL#200-30**	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

ANALYTICAL RESULTS

Project:	GAC-3S/4S BAC SERIES 12/5
Pace Project No.:	70238749

Sample: GAC-3S/4S-VESSEL#200-0 **Lab ID: 70238749001** Collected: 12/05/22 09:30 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

ANALYTICAL RESULTS

Project:	GAC-3S/4S BAC SERIES 12/5
Pace Project No.:	70238749

Sample: GAC-3S/4S-VESSEL#200-2 **Lab ID: 70238749002** Collected: 12/05/22 09:32 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238749

Sample: GAC-3S/4S-VESSEL#200-5 **Lab ID: 70238749003** Collected: 12/05/22 09:35 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238749

Sample: GAC-3S/4S-VESSEL#200-10 **Lab ID: 70238749004** Collected: 12/05/22 09:40 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238749

Sample: GAC-3S/4S-VESSEL#200-30 **Lab ID: 70238749005** Collected: 12/05/22 10:00 Received: 12/05/22 12:32 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	12/05/22 17:15	12/06/22 11:15		
E.coli	**Absent**				1	12/05/22 17:15	12/06/22 11:15		

QUALITY CONTROL DATA

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238749

QC Batch: 284865
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: 70238749001, 70238749002, 70238749003, 70238749004, 70238749005

METHOD BLANK: 1439129
Matrix: Drinking Water
Associated Lab Samples: 70238749001, 70238749002, 70238749003, 70238749004, 70238749005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		12/06/22 11:15	
Total Coliforms		Absent		12/06/22 11:15	

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.

QUALIFIERS

Project:	GAC-3S/4S BAC SERIES 12/5
Pace Project No.:	70238749

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.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GAC-3S/4S BAC SERIES 12/5
Pace Project No.: 70238749

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70238749001	**GAC-3S/4S-VESSEL#200-0**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992
70238749002	**GAC-3S/4S-VESSEL#200-2**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992
70238749003	**GAC-3S/4S-VESSEL#200-5**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992
70238749004	**GAC-3S/4S-VESSEL#200-10**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992
70238749005	**GAC-3S/4S-VESSEL#200-30**	SM22 9223B Colilert	284865	SM22 9223B Colilert	284992

WO#:70238749

70238749

Pace Analytical

CHAIN-OF-C… …ent

The Chain-of-Cus… …pleted accurately.

Page : 1 Of 1

Section A
Required Client Information:

Company: KOMAN Government Solutions, LLC
Address: 180 Gordon Dr., Suite 110
Exton, PA
Email: RGregory@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

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

Requested Analysis Filtered (Y/N)

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	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Y/N Analyses Test	Colilert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#200-0	DW	G			12.5.22	9:30		1	X									X	
2	GAC-3S/4S-Vessel#200-2	DW	G			12.5.22	9:32		1	X									X	
3	GAC-3S/4S-Vessel#200-5	DW	G			12.5.22	9:35		1	X									X	
4	GAC-3S/4S-Vessel#200-10	DW	G			12.5.22	9:40		1	X									X	
5	GAC-3S/4S-Vessel#200-30	DW	G			12.5.22	10:00		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Randy Hoffmaster	12.5.22		PLI (W)	12/5	12:30	3.8	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster
SIGNATURE of SAMPLER: Rand Hoffmaster
DATE Signed: 12.5.22

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

Pace Analytical

Client Name: COMAN

WO# : 70238749
PM: KMM **Due Date: 12/12/22**
CLIENT: KGS

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

Tracking #:

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

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

Type of Ice: [✓ Wet] Blue None

Thermometer Used: TH148 Correction Factor: + 0.1

☐ Samples on ice, cooling process has begun

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

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: AD 12/5/22

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 MS/MSD)	☑ 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: -Includes date/time/ID/Matrix: SL [✓ WT] OIL	☑ Yes	☐ No		12.
All containers needing preservation have been checked? pH paper Lot # All containers needing preservation are found to be in compliance with method recommendation? (HNO$_3$, H$_2$SO$_4$, 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	☐ Yes ☐ Yes	☐ No ☐ No	☑ N/A ☑ N/A	13. ☐ HNO$_3$ ☐ H$_2$SO$_4$ ☐ NaOH ☐ 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 #	☐ Yes	☐ No	☑ N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	☐ Yes	☐ No	☑ N/A	15. 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.

ENV-FRM-MELV-0024 01

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

December 12, 2022

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

RE: Project: NYAW-MERRICK BACT SERIES 12/7
Pace Project No.: 70238982

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 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

CERTIFICATIONS

Project:	NYAW-MERRICK BACT SERIES 12/7
Pace Project No.:	70238982

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

SAMPLE SUMMARY

Project:	NYAW-MERRICK BACT SERIES 12/7
Pace Project No.:	70238982

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70238982001	**WELL4 N-09338(INFLUENT)**	Drinking Water	12/07/22 08:55	12/07/22 10:35
70238982002	**WELL4 N-09338(INFLUENT)**	Drinking Water	12/07/22 08:57	12/07/22 10:35
70238982003	**WELL4 N-09338(INFLUENT)**	Drinking Water	12/07/22 09:00	12/07/22 10:35
70238982004	**WELL4 N-09338(INFLUENT)**	Drinking Water	12/07/22 09:05	12/07/22 10:35
70238982005	**WELL4 N-09338(INFLUENT)**	Drinking Water	12/07/22 09:25	12/07/22 10:35

SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK BACT SERIES 12/7
Pace Project No.: 70238982

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70238982001	**WELL4 N-09338(INFLUENT)**	SM22 9223B Colilert	GML	2
70238982002	**WELL4 N-09338(INFLUENT)**	SM22 9223B Colilert	GML	2
70238982003	**WELL4 N-09338(INFLUENT)**	SM22 9223B Colilert	GML	2
70238982004	**WELL4 N-09338(INFLUENT)**	SM22 9223B Colilert	GML	2
70238982005	**WELL4 N-09338(INFLUENT)**	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

ANALYTICAL RESULTS

Project:	NYAW-MERRICK BACT SERIES 12/7
Pace Project No.:	70238982

Sample: WELL4 N-09338(INFLUENT) **Lab ID: 70238982001** Collected: 12/07/22 08:55 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 12/7
Pace Project No.: 70238982

Sample: WELL4 N-09338(INFLUENT) **Lab ID: 70238982002** Collected: 12/07/22 08:57 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

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without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project:	NYAW-MERRICK BACT SERIES 12/7
Pace Project No.:	70238982

Sample: WELL4 N-09338(INFLUENT) **Lab ID: 70238982003** Collected: 12/07/22 09:00 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 12/7
Pace Project No.: 70238982

Sample: WELL4 N-09338(INFLUENT) **Lab ID: 70238982004** Collected: 12/07/22 09:05 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

ANALYTICAL RESULTS

Project:	NYAW-MERRICK BACT SERIES 12/7
Pace Project No.:	70238982

Sample: WELL4 N-09338(INFLUENT) **Lab ID: 70238982005** Collected: 12/07/22 09:25 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

QUALITY CONTROL DATA

Project: NYAW-MERRICK BACT SERIES 12/7
Pace Project No.: 70238982

QC Batch:	285483	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: 70238982001, 70238982002, 70238982003, 70238982004, 70238982005

METHOD BLANK: 1442508 Matrix: Drinking Water

Associated Lab Samples: 70238982001, 70238982002, 70238982003, 70238982004, 70238982005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		12/08/22 11:35	
Total Coliforms		Absent		12/08/22 11:35	

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.

QUALIFIERS

Project:	NYAW-MERRICK BACT SERIES 12/7
Pace Project No.:	70238982

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.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:	NYAW-MERRICK BACT SERIES 12/7
Pace Project No.:	70238982

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70238982001	**WELL4 N-09338(INFLUENT)**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643
70238982002	**WELL4 N-09338(INFLUENT)**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643
70238982003	**WELL4 N-09338(INFLUENT)**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643
70238982004	**WELL4 N-09338(INFLUENT)**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643
70238982005	**WELL4 N-09338(INFLUENT)**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643

WO#:70238982

70238982

Pace Analytical

CHAIN-OF-CUSTO

The Chain-of-Custody is a LE

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 #: 02607-005
Project Name: NYAW-MERRICK OPS FACILITY
Project #: 02607-204

Section C
Invoice Infor

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

Page : 1 **Of** 1

Regulatory Agency

State / Location
NY

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

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

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	POC VOCs by 524.2	1,4-dioxane (522)	Coli (Fecal/Ecoli)									Residual Chlorine (Y/N)	
1	Well 4 N-09338 (Influent) - 0	DW	G			12.7.22	8:55		1	X										~~X~~	X										001
2	Well 4 N-09338 - 2	DW	G			12.7.22	8:59		1	X											X										002
3	Well 4 N-09338 - 5	DW	G			12.7.22	9:00		1	X											X										003
4	Well 4 N-09338 - 10	DW	G			12.7.22	9:05		1	X											X										004
5	Well 4 N-09338 - 30	DW	G			12.7.22	9:25		1	X											X										005
6	Well 4 N-09338 - D	DW	G			12.7.22	9:27		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			
	Randy Hoffmaster	12.7.22	9:27		12/7/22	10:35	~~[illegible]~~ 1.2	~~[illegible]~~ Y	N	Y
							TEMP in C	Received on Ice☐ (Y/N)	Custody Sealed☐ Cooler☐ (Y/N)	Samples Intact☐ (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Randy Hoffmaster
SIGNATURE of SAMPLER: Randy Hoffmaster
DATE Signed: 12.7.2022

COC PAGE ___ of ___

Sample Container Count

WO#:70238982
PM: KMM **Due Date: 12/14/22**
CLIENT: KGS

Client: KGS

Profile # 5456

☐ Use Point Number Sp

WORK ORDER: Well 4 N-09338 BACT SERIES 12/7

Notes

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC								
1																																									1																		
2																																									1																		
3																																									1																		
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10																																																												
11																																																												
12																																																												

Container Codes

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

Plastic	
BP4U	125mL unpreserved
BP3U	250mL unpreserved
BP2U	500mL unpreserved
BP1U	1L unpreserved plastic
BP4N	125mL HNO3 plastic
BP3N	250mL HNO3 plastic
BP2N	500mL HNO3 plastic
BP3S	250mL H2SO4 plastic
BP2S	500mL H2SO4 plastic
BP3C	NaOH 250mL bottle
BP3T	250mL Trizma
BP35	250mL Ammonium
BP3R	250mL NH4SO4-
BP1Z	1L NaOH, Zn Acetate
BP1N	1L HNO3 plastic
BP1B	Na Thiosulfate Amber

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe

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

* Can also be a BP4N

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

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

Additional Comments

⇒ BACT SERIES.

Pace Analytical

Client Name: KGS

Pr

WO#:70238982

PM: KMM **Due Date: 12/14/22**

CLIENT: KGS

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

Tracking #:

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

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

Type of Ice: Wet Blue None

Thermometer Used: TH148 Correction Factor: + 0.1

☑ Samples on ice, cooling process has begun

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

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: SH 12/7/22

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 MS/MSD)	☑ 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: -Includes date/time/ID, Matrix: SL WT OIL	☑ Yes	☐ No		12.
All containers needing preservation have been checked? pH paper Lot #	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
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) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water) Per Method, VOA pH is checked after analysis	☐ Yes	☐ No	☑ N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	☐ Yes	☐ No	☑ N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	☐ Yes	☐ No	☑ N/A	15. 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

Pace Analytical
www.pacelabs.com

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

December 12, 2022

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

RE: Project: NYAW MERRICK DIST BACT 12/7
Pace Project No.: 70238983

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 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

NELAP ACCREDITED TNI LABORATORY

CERTIFICATIONS

Project:	NYAW MERRICK DIST BACT 12/7
Pace Project No.:	70238983

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: NYAW MERRICK DIST BACT 12/7
Pace Project No.: 70238983

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70238983001	**WELL-4 N-09338**	Drinking Water	12/07/22 09:27	12/07/22 13:22

SAMPLE ANALYTE COUNT

Project: NYAW MERRICK DIST BACT 12/7
Pace Project No.: 70238983

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70238983001	**WELL-4 N-09338**	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

ANALYTICAL RESULTS

Project:	NYAW MERRICK DIST BACT 12/7
Pace Project No.:	70238983

Sample: WELL-4 N-09338 **Lab ID: 70238983001** Collected: 12/07/22 09:27 Received: 12/07/22 13:22 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

QUALITY CONTROL DATA

Project: NYAW MERRICK DIST BACT 12/7
Pace Project No.: 70238983

QC Batch:	285483	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: 70238983001

METHOD BLANK: 1442508 Matrix: Drinking Water

Associated Lab Samples: 70238983001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		12/08/22 11:35	
Total Coliforms		Absent		12/08/22 11:35	

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.

QUALIFIERS

Project:	NYAW MERRICK DIST BACT 12/7
Pace Project No.:	70238983

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.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:	NYAW MERRICK DIST BACT 12/7
Pace Project No.:	70238983

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70238983001	**WELL-4 N-09338**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Dc

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

WO# : 70238983

70238983

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 #: 02607-005
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

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	~~PEC~~ VOCs by 524.2	1,4-dioxane (522)	Coliform (Fecal/E.coli)										Residual Chlorine (Y/N)	
1	Well 4 N-09338 (Influent) - 0	DW	G			12.7.22	8:55		1	X										~~X~~	X											
2	Well 4 N-09338 - 2	DW	G			12.7.22	8:58		1	X											X											
3	Well-4 N-09338 - 5	DW	G			12.7.22	9:00		1	X											X											
4	Well-4 N-09338 - 10	DW	G			12.7.22	9:05		1	X											X											
5	Well-4 N-09338 - 30	DW	G			12.7.22	9:25		1	X											X											
6	Well-4 N-09338 - D	DW	G			12.7.22	9:27		1	X											X											001
7																																
8																																
9																																
10																																
11																																
12																																

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	12.7.22	9:27	P-LI	12/7/22	10:35	1.2	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Randy Hoffmaster
SIGNATURE of SAMPLER: Randy Hoffmaster
DATE Signed: 12.7.2022

COC PAGE ___ of ___

Sample Container Count

WO#:70238983
PM: KMM
Due Date: 12/14/22
CLIENT: KGS

Client: KGS Profile # 5456 ☐ Use Point Number Sp

WORK ORDER: Well-4 N-09338 DIST BACT 12/7 Notes

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC								
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12																																																										

Container Codes

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

Plastic	
BP4U	125mL unpreserved
BP3U	250mL unpreserved
BP2U	500mL unpreserved
BP1U	1L unpreserved plastic
BP4N	125mL HNO3 plastic
BP3N	250mL HNO3 plastic
BP2N	500mL HNO3 plastic
BP3S	250mL H2SO4 plastic
BP2S	500mL H2SO4 plastic
BP3C	NaOH 250mL bottle
BP3T	250mL Trizma
BP35	250mL Ammonium
BP3R	250mL NH4SO4-
BP1Z	1L NaOH, Zn Acetate
BP1N	1L HNO3 plastic
BP1B	Na Thiosulfate Amber

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe

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

* Can also be a BP4N

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

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

Additional Comments

Pace Analytical

Client Name: KGS

Project #:

WO#: 70238983
PM: KMM
Due Date: 12/14/22
CLIENT: KGS

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

Tracking #:

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

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

Thermometer Used: T#148 Correction Factor: + 0.1

☒ Samples on ice, cooling process has begun

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

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: SH 12/7/22

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: -Includes date/time/ID/Matrix: SL WT OIL	☒ Yes	☐ No		12.
All containers needing preservation have been checked? pH paper Lot #	☐ Yes	☐ No	☒ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
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) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water) Per Method, VOA pH is checked after analysis	☐ Yes	☐ No	☒ N/A	Initial when completed: | Lot # of added preservative: | Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	☐ Yes	☐ No	☒ N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	☐ Yes	☐ No	☒ N/A	15. 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.

ENV-FRM-MELV-0024 01

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

December 12, 2022

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

RE: Project: NYAW MERRICK BACT SERIES 12/7
Pace Project No.: 70238985

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 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

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CERTIFICATIONS

Project:	NYAW MERRICK BACT SERIES 12/7
Pace Project No.:	70238985

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

SAMPLE SUMMARY

Project: NYAW MERRICK BACT SERIES 12/7
Pace Project No.: 70238985

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70238985001	**GAC-3S/4S-VESSEL#500-0**	Drinking Water	12/07/22 09:30	12/07/22 10:35
70238985002	**GAC-3S/4S-VESSEL#500-2**	Drinking Water	12/07/22 09:32	12/07/22 10:35
70238985003	**GAC-3S/4S-VESSEL#500-5**	Drinking Water	12/07/22 09:35	12/07/22 10:35
70238985004	**GAC-3S/4S-VESSEL#500-10**	Drinking Water	12/07/22 09:40	12/07/22 10:35
70238985005	**GAC-3S/4S-VESSEL#500-30**	Drinking Water	12/07/22 10:00	12/07/22 10:35

SAMPLE ANALYTE COUNT

Project:	NYAW MERRICK BACT SERIES 12/7
Pace Project No.:	70238985

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70238985001	**GAC-3S/4S-VESSEL#500-0**	SM22 9223B Colilert	GML	2
70238985002	**GAC-3S/4S-VESSEL#500-2**	SM22 9223B Colilert	GML	2
70238985003	**GAC-3S/4S-VESSEL#500-5**	SM22 9223B Colilert	GML	2
70238985004	**GAC-3S/4S-VESSEL#500-10**	SM22 9223B Colilert	GML	2
70238985005	**GAC-3S/4S-VESSEL#500-30**	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7
Pace Project No.: 70238985

Sample: GAC-3S/4S-VESSEL#500-0 **Lab ID: 70238985001** Collected: 12/07/22 09:30 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7
Pace Project No.: 70238985

Sample: GAC-3S/4S-VESSEL#500-2 **Lab ID: 70238985002** Collected: 12/07/22 09:32 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

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ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7
Pace Project No.: 70238985

Sample: GAC-3S/4S-VESSEL#500-5 **Lab ID: 70238985003** Collected: 12/07/22 09:35 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

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ANALYTICAL RESULTS

Project:	NYAW MERRICK BACT SERIES 12/7
Pace Project No.:	70238985

Sample: GAC-3S/4S-VESSEL#500-10 **Lab ID: 70238985004** Collected: 12/07/22 09:40 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7
Pace Project No.: 70238985

Sample: GAC-3S/4S-VESSEL#500-30 **Lab ID: 70238985005** Collected: 12/07/22 10:00 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

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QUALITY CONTROL DATA

Project:	NYAW MERRICK BACT SERIES 12/7
Pace Project No.:	70238985

QC Batch:	285483	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: 70238985001, 70238985002, 70238985003, 70238985004, 70238985005

METHOD BLANK: 1442508 Matrix: Drinking Water

Associated Lab Samples: 70238985001, 70238985002, 70238985003, 70238985004, 70238985005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		12/08/22 11:35	
Total Coliforms		Absent		12/08/22 11:35	

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.

QUALIFIERS

Project:	NYAW MERRICK BACT SERIES 12/7
Pace Project No.:	70238985

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.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:	NYAW MERRICK BACT SERIES 12/7
Pace Project No.:	70238985

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70238985001	**GAC-3S/4S-VESSEL#500-0**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643
70238985002	**GAC-3S/4S-VESSEL#500-2**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643
70238985003	**GAC-3S/4S-VESSEL#500-5**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643
70238985004	**GAC-3S/4S-VESSEL#500-10**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643
70238985005	**GAC-3S/4S-VESSEL#500-30**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643

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WO#:70238985

70238985

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

Secti

Requ

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

ct 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

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	Y/N Analyses Test	Requested Analysis Filtered (Y/N): Colilert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#500-0	DW	G			12·7·22	7:30		1	X									X	
2	GAC-3S/4S-Vessel#500-2	DW	G			12·7·22	7:32		1	X									X	
3	GAC-3S/4S-Vessel#500-5	DW	G			12·7·22	7:35		1	X									X	
4	GAC-3S/4S-Vessel#500-10	DW	G			12·7·22	7:40		1	X									X	
5	GAC-3S/4S-Vessel#500-30	DW	G			12·7·22	8:00		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Randy Hoffmaster	12·7·22	800		12/7/22	10:35	1.2	Y	N	Y
							EMP in C	eceived on e (Y/N)	ustody ealed ooler (Y/N)	amples act (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster

DATE Signed: 12·07·2022

COC PAGE ____ of ____

Sample Container Count

WO#:	70238985
PM:	KMM
Due Date:	12/14/22
CLIENT:	KGS

Client: KGS

Profile # 5456

☐ Use Point Number Sprea

WORK ORDER: GAC-35/45 BACT SERIES

Notes 12/7

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC
1																																									1										
2																																									1										
3																																									1										
4																																									1										
5																																									1										
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7																																																			
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9																																																			
10																																																			
11																																																			
12																																																			

Container Codes

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

Plastic	
BP4U	125mL unpreserved
BP3U	250mL unpreserved
BP2U	500mL unpreserved
BP1U	1L unpreserved plastic
BP4N	125mL HNO3 plastic
BP3N	250mL HNO3 plastic
BP2N	500mL HNO3 plastic
BP3S	250mL H2SO4 plastic
BP2S	500mL H2SO4 plastic
BP3C	NaOH 250mL bottle
BP3T	250mL Trizma
BP35	250mL Ammonium
BP3R	250mL NH4SO4-
BP1Z	1L NaOH, Zn Acetate
BP1N	1L HNO3 plastic
BP1B	Na Thiosulfate Amber

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe

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

* Can also be a BP4N

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

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

Additional Comments

→ BACT SERIES

Pace Analytical

Client Name: KGS

Proj

WO#: 70238985

PM: KMM **Due Date: 12/14/22**

CLIENT: KGS

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

Tracking #:

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

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

Type of Ice: Wet Blue None

Thermometer Used: T1148 Correction Factor: + 0.1

☑ Samples on ice, cooling process has begun

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

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: SH 12/7/22

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: -Includes date/time/ID/Matrix: SL WT OIL	☑ Yes	☐ No		12.
All containers needing preservation have been checked? pH paper Lot #	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
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) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water) Per Method, VOA pH is checked after analysis	☐ Yes	☐ No	☑ N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	☐ Yes	☐ No	☑ N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	☐ Yes	☐ No	☑ N/A	15. 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.

www.pacelabs.com

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

December 12, 2022

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

RE: Project: NYAW MERRICK BACT SERIES 12/7
Pace Project No.: 70238986

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 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

CERTIFICATIONS

Project:	NYAW MERRICK BACT SERIES 12/7
Pace Project No.:	70238986

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

SAMPLE SUMMARY

Project: NYAW MERRICK BACT SERIES 12/7
Pace Project No.: 70238986

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70238986001	**GAC-3S/4S-VESSEL#600-0**	Drinking Water	12/07/22 08:15	12/07/22 10:35
70238986002	**GAC-3S/4S-VESSEL#600-2**	Drinking Water	12/07/22 08:17	12/07/22 10:35
70238986003	**GAC-3S/4S-VESSEL#600-5**	Drinking Water	12/07/22 08:20	12/07/22 10:35
70238986004	**GAC-3S/4S-VESSEL#600-10**	Drinking Water	12/07/22 08:25	12/07/22 10:35
70238986005	**GAC-3S/4S-VESSEL#600-30**	Drinking Water	12/07/22 08:45	12/07/22 10:35

SAMPLE ANALYTE COUNT

Project: NYAW MERRICK BACT SERIES 12/7
Pace Project No.: 70238986

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70238986001	**GAC-3S/4S-VESSEL#600-0**	SM22 9223B Colilert	GML	2
70238986002	**GAC-3S/4S-VESSEL#600-2**	SM22 9223B Colilert	GML	2
70238986003	**GAC-3S/4S-VESSEL#600-5**	SM22 9223B Colilert	GML	2
70238986004	**GAC-3S/4S-VESSEL#600-10**	SM22 9223B Colilert	GML	2
70238986005	**GAC-3S/4S-VESSEL#600-30**	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7
Pace Project No.: 70238986

Sample: GAC-3S/4S-VESSEL#600-0 **Lab ID: 70238986001** Collected: 12/07/22 08:15 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7
Pace Project No.: 70238986

Sample: GAC-3S/4S-VESSEL#600-2 **Lab ID: 70238986002** Collected: 12/07/22 08:17 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7
Pace Project No.: 70238986

Sample: GAC-3S/4S-VESSEL#600-5 **Lab ID: 70238986003** Collected: 12/07/22 08:20 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

ANALYTICAL RESULTS

Project:	NYAW MERRICK BACT SERIES 12/7
Pace Project No.:	70238986

Sample: GAC-3S/4S-VESSEL#600-10 **Lab ID: 70238986004** Collected: 12/07/22 08:25 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

ANALYTICAL RESULTS

Project:	NYAW MERRICK BACT SERIES 12/7
Pace Project No.:	70238986

Sample: GAC-3S/4S-VESSEL#600-30 **Lab ID: 70238986005** Collected: 12/07/22 08:45 Received: 12/07/22 10:35 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	12/07/22 17:35	12/08/22 11:35		
E.coli	**Absent**				1	12/07/22 17:35	12/08/22 11:35		

QUALITY CONTROL DATA

Project: NYAW MERRICK BACT SERIES 12/7
Pace Project No.: 70238986

QC Batch:	285483	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: 70238986001, 70238986002, 70238986003, 70238986004, 70238986005

METHOD BLANK: 1442508 Matrix: Drinking Water

Associated Lab Samples: 70238986001, 70238986002, 70238986003, 70238986004, 70238986005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		12/08/22 11:35	
Total Coliforms		Absent		12/08/22 11:35	

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.

QUALIFIERS

Project:	NYAW MERRICK BACT SERIES 12/7
Pace Project No.:	70238986

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.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:	NYAW MERRICK BACT SERIES 12/7
Pace Project No.:	70238986

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70238986001	**GAC-3S/4S-VESSEL#600-0**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643
70238986002	**GAC-3S/4S-VESSEL#600-2**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643
70238986003	**GAC-3S/4S-VESSEL#600-5**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643
70238986004	**GAC-3S/4S-VESSEL#600-10**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643
70238986005	**GAC-3S/4S-VESSEL#600-30**	SM22 9223B Colilert	285483	SM22 9223B Colilert	285643

WO# : 70238986

70238986

CHAIN-OF-CUSTODY / Analytical Request Document

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

Require

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:

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 #:

Page : 1 Of 1

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

Requested Analysis Filtered (Y/N)

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	Y/N Analyses Test	Colilert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#600-0	DW	G			12.7.22	8:15		1	X									X	
2	GAC-3S/4S-Vessel#600-2	DW	G			12.7.22	8:17		1	X									X	
3	GAC-3S/4S-Vessel#600-5	DW	G			12.7.22	8:20		1	X									X	
4	GAC-3S/4S-Vessel#600-10	DW	G			12.7.22	8:25		1	X									X	
5	GAC-3S/4S-Vessel#600-30	DW	G			12.7.22	8:45		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Randy Hoffmaster	12.7.22	8:45		12/7/22	10:35	1.2	Y	N	Y
							EMP in C	eceived on /N)	ıstody ealed ooler N)	mples ct N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster
SIGNATURE of SAMPLER: Randy Hoffmaster
DATE Signed: 12 7 2022

COC PAGE ___ of ___

Sample Container Count

WO#: 70238986

PM: KMM **Due Date: 12/14/22**

CLIENT: KGS

Client: KGS

Profile # 5456

☐ Use Point Number Spreadsh

WORK ORDER: GAC-35/45 BACT SERIES 12/7

Notes ______

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

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

Plastic	
BP4U	125mL unpreserved
BP3U	250mL unpreserved
BP2U	500mL unpreserved
BP1U	1L unpreserved plastic
BP4N	125mL HNO3 plastic
BP3N	250mL HNO3 plastic
BP2N	500mL HNO3 plastic
BP3S	250mL H2SO4 plastic
BP2S	500mL H2SO4 plastic
BP3C	NaOH 250mL bottle
BP3T	250mL Trizma
BP35	250mL Ammonium
BP3R	250mL NH4SO4-
BP1Z	1L NaOH, Zn Acetate
BP1N	1L HNO3 plastic
BP1B	Na Thiosulfate Amber

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe

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

* Can also be a BP4N

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

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

Additional Comments

Pace Analytical

Client Name: KGS

WO#: 70238986
PM: KMM **Due Date: 12/14/22**
CLIENT: KGS

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other
Tracking #:
Custody Seal on Cooler/Box Present: ☐ Yes ☐ No Seals intact: ☐ Yes ☐ No ☑ N/A
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ Ziploc ☐ None ☐ Other
Type of Ice: Wet Blue None
Thermometer Used: TH148 Correction Factor: + 0.1
☑ Samples on ice, cooling process has begun
Cooler Temperature(°C): 1.2 Cooler Temperature Corrected(°C): 1.3
Date/Time 5035A kits placed in freezer
Temp should be above freezing to 6.0°C
USDA Regulated Soil (☑ N/A, water sample)
Date and Initials of person examining contents: SH 12/7/22
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: -Includes date/time/ID/Matrix: SL WT OIL	☑ Yes	☐ No		12.
All containers needing preservation have been checked? pH paper Lot #	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
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) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water) Per Method, VOA pH is checked after analysis	☐ Yes	☐ No	☑ N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	☐ Yes	☐ No	☑ N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	☐ Yes	☐ No	☑ N/A	15. 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.

Pace Analytical
www.pacelabs.com

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

December 14, 2022

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

RE: Project: BACT SEREIS 12/12
Pace Project No.: 70239531

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 12, 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

CERTIFICATIONS

Project:	BACT SEREIS 12/12
Pace Project No.:	70239531

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

SAMPLE SUMMARY

Project: BACT SEREIS 12/12
Pace Project No.: 70239531

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70239531001	**GAC-3S/4S-VESSEL#300-0**	Drinking Water	12/12/22 06:25	12/12/22 09:06
70239531002	**GAC-3S/4S-VESSEL#300-2**	Drinking Water	12/12/22 06:27	12/12/22 09:06
70239531003	**GAC-3S/4S-VESSEL#300-5**	Drinking Water	12/12/22 06:30	12/12/22 09:06
70239531004	**GAC-3S/4S-VESSEL#300-10**	Drinking Water	12/12/22 06:35	12/12/22 09:06
70239531005	**GAC-3S/4S-VESSEL#300-30**	Drinking Water	12/12/22 06:55	12/12/22 09:06

SAMPLE ANALYTE COUNT

Project: BACT SEREIS 12/12
Pace Project No.: 70239531

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70239531001	**GAC-3S/4S-VESSEL#300-0**	SM22 9223B Colilert	GML	2
70239531002	**GAC-3S/4S-VESSEL#300-2**	SM22 9223B Colilert	GML	2
70239531003	**GAC-3S/4S-VESSEL#300-5**	SM22 9223B Colilert	GML	2
70239531004	**GAC-3S/4S-VESSEL#300-10**	SM22 9223B Colilert	GML	2
70239531005	**GAC-3S/4S-VESSEL#300-30**	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

ANALYTICAL RESULTS

Project:	BACT SEREIS 12/12
Pace Project No.:	70239531

Sample: GAC-3S/4S-VESSEL#300-0 **Lab ID: 70239531001** Collected: 12/12/22 06:25 Received: 12/12/22 09:06 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	12/12/22 17:30	12/13/22 11:30		
E.coli	**Absent**				1	12/12/22 17:30	12/13/22 11:30		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BACT SEREIS 12/12
Pace Project No.: 70239531

Sample: GAC-3S/4S-VESSEL#300-2 **Lab ID: 70239531002** Collected: 12/12/22 06:27 Received: 12/12/22 09:06 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	12/12/22 17:30	12/13/22 11:30		
E.coli	**Absent**				1	12/12/22 17:30	12/13/22 11:30		

ANALYTICAL RESULTS

Project: BACT SEREIS 12/12
Pace Project No.: 70239531

Sample: GAC-3S/4S-VESSEL#300-5 **Lab ID: 70239531003** Collected: 12/12/22 06:30 Received: 12/12/22 09:06 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	12/12/22 17:30	12/13/22 11:30		
E.coli	**Absent**				1	12/12/22 17:30	12/13/22 11:30		

ANALYTICAL RESULTS

Project:	BACT SEREIS 12/12
Pace Project No.:	70239531

Sample: GAC-3S/4S-VESSEL#300-10 **Lab ID: 70239531004** Collected: 12/12/22 06:35 Received: 12/12/22 09:06 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	12/12/22 17:30	12/13/22 11:30		
E.coli	**Absent**				1	12/12/22 17:30	12/13/22 11:30		

ANALYTICAL RESULTS

Project:	BACT SEREIS 12/12
Pace Project No.:	70239531

Sample: GAC-3S/4S-VESSEL#300-30 **Lab ID: 70239531005** Collected: 12/12/22 06:55 Received: 12/12/22 09:06 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	12/12/22 17:30	12/13/22 11:30		
E.coli	**Absent**				1	12/12/22 17:30	12/13/22 11:30		

QUALITY CONTROL DATA

Project: BACT SEREIS 12/12
Pace Project No.: 70239531

QC Batch: 286039
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: 70239531001, 70239531002, 70239531003, 70239531004, 70239531005

METHOD BLANK: 1445832
Matrix: Drinking Water
Associated Lab Samples: 70239531001, 70239531002, 70239531003, 70239531004, 70239531005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		12/13/22 11:30	
Total Coliforms		Absent		12/13/22 11:30	

SAMPLE DUPLICATE: 1445833

Parameter	Units	70239661001 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.

QUALIFIERS

Project:	BACT SEREIS 12/12
Pace Project No.:	70239531

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.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:	BACT SEREIS 12/12
Pace Project No.:	70239531

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70239531001	**GAC-3S/4S-VESSEL#300-0**	SM22 9223B Colilert	286039	SM22 9223B Colilert	286095
70239531002	**GAC-3S/4S-VESSEL#300-2**	SM22 9223B Colilert	286039	SM22 9223B Colilert	286095
70239531003	**GAC-3S/4S-VESSEL#300-5**	SM22 9223B Colilert	286039	SM22 9223B Colilert	286095
70239531004	**GAC-3S/4S-VESSEL#300-10**	SM22 9223B Colilert	286039	SM22 9223B Colilert	286095
70239531005	**GAC-3S/4S-VESSEL#300-30**	SM22 9223B Colilert	286039	SM22 9223B Colilert	286095

Pace Analytical

WO#:70239531

70239531

CHAIN-OF-CUSTODY / Analytical Reques

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

Page : 1 Of 1

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

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

Requested Analysis Filtered (Y/N)

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	Colilert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#300-0	DW	G			12.12.22	6:25		1	X									X	
2	GAC-3S/4S-Vessel#300-2	DW	G			12.12.22	6:27		1	X									X	
3	GAC-3S/4S-Vessel#300-5	DW	G			12.12.22	6:30		1	X									X	
4	GAC-3S/4S-Vessel#300-10	DW	G			12.12.22	6:35		1	X									X	
5	GAC-3S/4S-Vessel#300-30	DW	G			12.12.22	6:55		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Randy Hoffmaster	12.12.22		PLI	12/12	9:6	0.4	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster
SIGNATURE of SAMPLER: Randy Hoffmaster DATE Signed: 12.12.22

EMP in C | eceived on e (Y/N) | ustody ealed ooler (Y/N) | amples act (Y/N)

COC PAGE ___ of ___

Sample Container Count

WO#:70239531

PM: KMM **Due Date: 12/19/22**

CLIENT: KGS

Client: KGS

Profile # 5456

☐ Use Point Number Spreadsheet

WORK ORDER: Bact Series 12/12

Notes ___

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC								
1																																									|																		
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12																																																											

Container Codes

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

Plastic	
BP4U	125mL unpreserved
BP3U	250mL unpreserved
BP2U	500mL unpreserved
BP1U	1L unpreserved plastic
BP4N	125mL HNO3 plastic
BP3N	250mL HNO3 plastic
BP2N	500mL HNO3 plastic
BP3S	250mL H2SO4 plastic
BP2S	500mL H2SO4 plastic
BP3C	NaOH 250mL bottle
BP3T	250mL Trizma
BP35	250mL Ammonium
BP3R	250mL NH4SO4-
BP1Z	1L NaOH, Zn Acetate
BP1N	1L HNO3 plastic
BP1B	Na Thiosulfate Amber

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe

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

* Can also be a BP4N

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

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

Additional Comments

Pace Analytical

Client Name: KGS

WO# : 70239531
PM: KMM **Due Date: 12/19/22**
CLIENT: KGS

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

Tracking #:

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

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

Type of Ice: [✓ Wet] Blue None

Thermometer Used: TH148 Correction Factor: + 0.1

☐ Samples on ice, cooling process has begun

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

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: WJ 12/12/2022

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: -Pace Containers Used:	☑ Yes ☑ Yes	☐ No ☐ No		9.
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: -Includes date/time/ID, Matrix: SL [✓ WT] OIL	☑ Yes	☐ No		12.
All containers needing preservation have been checked? pH paper Lot # All containers needing preservation are found to be in compliance with method recommendation? (HNO₃, H₂SO₄, 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	☐ Yes ☐ Yes	☐ No ☐ No	☑ N/A ☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ 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 #	☐ Yes	☐ No	☑ N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	☐ Yes	☐ No	☑ N/A	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	16.
Trip Blank Present: Trip Blank Custody Seals Present Pace Trip Blank Lot # (if applicable):__________	☐ Yes ☐ Yes	☐ No ☐ No	☑ N/A ☑ 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.

ENV-FRM-MELV-0024 01

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

December 14, 2022

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

RE: Project: BACT SERIES 12/12
Pace Project No.: 70239532

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 12, 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

CERTIFICATIONS

Project:	BACT SERIES 12/12
Pace Project No.:	70239532

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

SAMPLE SUMMARY

Project: BACT SERIES 12/12
Pace Project No.: 70239532

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70239532001	**GAC-3S/4S-VESSEL#400-0**	Drinking Water	12/12/22 07:15	12/12/22 09:16
70239532002	**GAC-3S/4S-VESSEL#400-2**	Drinking Water	12/12/22 07:17	12/12/22 09:16
70239532003	**GAC-3S/4S-VESSEL#400-5**	Drinking Water	12/12/22 07:20	12/12/22 09:16
70239532004	**GAC-3S/4S-VESSEL#400-10**	Drinking Water	12/12/22 07:25	12/12/22 09:16
70239532005	**GAC-3S/4S-VESSEL#400-30**	Drinking Water	12/12/22 07:45	12/12/22 09:16

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SAMPLE ANALYTE COUNT

Project:	BACT SERIES 12/12
Pace Project No.:	70239532

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70239532001	**GAC-3S/4S-VESSEL#400-0**	SM22 9223B Colilert	GML	2
70239532002	**GAC-3S/4S-VESSEL#400-2**	SM22 9223B Colilert	GML	2
70239532003	**GAC-3S/4S-VESSEL#400-5**	SM22 9223B Colilert	GML	2
70239532004	**GAC-3S/4S-VESSEL#400-10**	SM22 9223B Colilert	GML	2
70239532005	**GAC-3S/4S-VESSEL#400-30**	SM22 9223B Colilert	GML	2

PACE-MV = Pace Analytical Services - Melville

ANALYTICAL RESULTS

Project: BACT SERIES 12/12
Pace Project No.: 70239532

Sample: GAC-3S/4S-VESSEL#400-0 **Lab ID: 70239532001** Collected: 12/12/22 07:15 Received: 12/12/22 09:16 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	12/12/22 17:30	12/13/22 11:30		
E.coli	**Absent**				1	12/12/22 17:30	12/13/22 11:30		

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ANALYTICAL RESULTS

Project: BACT SERIES 12/12
Pace Project No.: 70239532

Sample: GAC-3S/4S-VESSEL#400-2 **Lab ID: 70239532002** Collected: 12/12/22 07:17 Received: 12/12/22 09:16 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	12/12/22 17:30	12/13/22 11:30		
E.coli	**Absent**				1	12/12/22 17:30	12/13/22 11:30		

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ANALYTICAL RESULTS

Project: BACT SERIES 12/12
Pace Project No.: 70239532

Sample: GAC-3S/4S-VESSEL#400-5 **Lab ID: 70239532003** Collected: 12/12/22 07:20 Received: 12/12/22 09:16 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	12/12/22 17:30	12/13/22 11:30		
E.coli	**Absent**				1	12/12/22 17:30	12/13/22 11:30		

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ANALYTICAL RESULTS

Project:	BACT SERIES 12/12
Pace Project No.:	70239532

Sample: GAC-3S/4S-VESSEL#400-10 **Lab ID: 70239532004** Collected: 12/12/22 07:25 Received: 12/12/22 09:16 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	12/12/22 17:30	12/13/22 11:30		
E.coli	**Absent**				1	12/12/22 17:30	12/13/22 11:30		

ANALYTICAL RESULTS

Project:	BACT SERIES 12/12
Pace Project No.:	70239532

Sample: GAC-3S/4S-VESSEL#400-30 **Lab ID: 70239532005** Collected: 12/12/22 07:45 Received: 12/12/22 09:16 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	12/12/22 17:30	12/13/22 11:30		
E.coli	**Absent**				1	12/12/22 17:30	12/13/22 11:30		

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QUALITY CONTROL DATA

Project: BACT SERIES 12/12
Pace Project No.: 70239532

QC Batch: 286039
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: 70239532001, 70239532002, 70239532003, 70239532004, 70239532005

METHOD BLANK: 1445832
Matrix: Drinking Water
Associated Lab Samples: 70239532001, 70239532002, 70239532003, 70239532004, 70239532005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		12/13/22 11:30	
Total Coliforms		Absent		12/13/22 11:30	

SAMPLE DUPLICATE: 1445833

Parameter	Units	70239661001 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.

QUALIFIERS

Project:	BACT SERIES 12/12
Pace Project No.:	70239532

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.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BACT SERIES 12/12
Pace Project No.: 70239532

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70239532001	**GAC-3S/4S-VESSEL#400-0**	SM22 9223B Colilert	286039	SM22 9223B Colilert	286095
70239532002	**GAC-3S/4S-VESSEL#400-2**	SM22 9223B Colilert	286039	SM22 9223B Colilert	286095
70239532003	**GAC-3S/4S-VESSEL#400-5**	SM22 9223B Colilert	286039	SM22 9223B Colilert	286095
70239532004	**GAC-3S/4S-VESSEL#400-10**	SM22 9223B Colilert	286039	SM22 9223B Colilert	286095
70239532005	**GAC-3S/4S-VESSEL#400-30**	SM22 9223B Colilert	286039	SM22 9223B Colilert	286095

CHAIN-OF-CUSTODY / Analytical Request Doc

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

Page : 1 Of 1

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

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

Requested Analysis Filtered (Y/N)

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	Y/N Analyses Test	Coliert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#400-0	DW	G			12/12/22	7:15		1	X									X	
2	GAC-3S/4S-Vessel#400-2	DW	G			12/12/22	7:17		1	X									X	
3	GAC-3S/4S-Vessel#400-5	DW	G			12/12/22	7:20		1	X									X	
4	GAC-3S/4S-Vessel#400-10	DW	G			12/12/22	7:25		1	X									X	
5	GAC-3S/4S-Vessel#400-30	DW	G			12/12/22	7:45		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Randy Hoffmaster	12.12.22		Jim PLI	12:12	9:16	0.4	Y	N	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster
SIGNATURE of SAMPLER: Randy Hoffmaster
DATE Signed: 12.12.22

COC PAGE ____ of ____

Sample Container Count

WO#:70239532
PM: KMM **Due Date: 12/19/22**
CLIENT: KGS

Client: KGS
Profile # 5456
☐ Use Point Number Spreadshee
WORK ORDER: Bact Series 12/12
Notes ____________________

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC								
1																																									1																	
2																																									1																	
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11																																																											
12																																																											

Container Codes

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

Plastic	
BP4U	125mL unpreserved
BP3U	250mL unpreserved
BP2U	500mL unpreserved
BP1U	1L unpreserved plastic
BP4N	125mL HNO3 plastic
BP3N	250mL HNO3 plastic
BP2N	500mL HNO3 plastic
BP3S	250mL H2SO4 plastic
BP2S	500mL H2SO4 plastic
BP3C	NaOH 250mL bottle
BP3T	250mL Trizma
BP35	250mL Ammonium
BP3R	250mL NH4SO4-
BP1Z	1L NaOH, Zn Acetate
BP1N	1L HNO3 plastic
BP1B	Na Thiosulfate Amber

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe

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

* Can also be a BP4N

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

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

Additional Comments

Pace Analytical

Client Name: KGS

WO# : 70239532
PM: KMM **Due Date: 12/19/22**
CLIENT: KGS

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other
Tracking #:
Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No ☑
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other
Type of Ice:
Thermometer Used: TH148 Correction Factor: + 0.1
☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): 0.6 Cooler Temperature Corrected(°C): 0.7
Date/Time 5035A kits placed in freezer
Temp should be above freezing to 6.0°C
USDA Regulated Soil (☑ N/A, water sample)
Date and Initials of person examining contents: WZ 12/12/2022

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: -Pace Containers Used:	☑ Yes ☑ Yes	☐ No ☐ No		9.
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: -Includes date/time/ID, Matrix: SL [✓ WT] OIL	☑ Yes	☐ No		12.
All containers needing preservation have been checked? pH paper Lot # All containers needing preservation are found to be in compliance with method recommendation? (HNO$_3$, H$_2$SO$_4$, 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	☐ Yes ☐ Yes	☐ No ☐ No	☑ N/A ☑ N/A	13. ☐ HNO$_3$ ☐ H$_2$SO$_4$ ☐ NaOH ☐ 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 #	☐ Yes	☐ No	☑ N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	☐ Yes	☐ No	☑ N/A	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	16.
Trip Blank Present: Trip Blank Custody Seals Present Pace Trip Blank Lot # (if applicable):________	☐ Yes ☐ Yes	☐ No ☐ No	☑ N/A ☑ 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. ENV-FRM-MELV-0024 01