3 June 2022

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

Subject: **May 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 May 2022 and present the associated analytical results.

Sampling Requirements

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

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

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

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

May 2022 Sampling Summary

Monthly POC Sampling

On 3 May 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 May 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 NCDOH requirements.

Table 1 - *TCE Analytical Results(1) – May 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]
05/03/2022	27.3	4.0	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 Q2

On 16 May 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 17 May 2022. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

On 17 May 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 18 May 2022. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

On 23 May 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 24 May 2022. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

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

Sincerely,
KOMAN Government Solutions, LLC

Robert Gregory, P.G.
Project Manager

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

ATTACHMENT 1

POC ANALYTICAL RESULTS FOR MAY 2022

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

May 24, 2022

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

RE: Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Dear Robert Gregory:

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

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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

SAMPLE SUMMARY

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70213238001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	Drinking Water	05/03/22 08:30	05/03/22 11:21
70213238002	**GAC-3S/4S (SEAMAN NECK GAC E-D**	Drinking Water	05/03/22 08:45	05/03/22 11:21
70213238003	**WELL 3A N-14347 (INFLUENT)**	Drinking Water	05/03/22 09:05	05/03/22 11:21
70213238004	**WELL 4 N-09338 (INFLUENT)**	Drinking Water	05/03/22 09:20	05/03/22 11:21

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

SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70213238001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	EPA 522	AI1	2
		EPA 524.2	KGG	62
70213238002	**GAC-3S/4S (SEAMAN NECK GAC E-D**	EPA 524.2	KGG	62
70213238003	**WELL 3A N-14347 (INFLUENT)**	EPA 522	AI1	2
		EPA 524.2	KGG	62
70213238004	**WELL 4 N-09338 (INFLUENT)**	EPA 522	AI1	2
		EPA 524.2	KGG	62

PACE-MV = Pace Analytical Services - Melville

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF **Lab ID: 70213238001** Collected: 05/03/22 08:30 Received: 05/03/22 11:21 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)	**1.7**	ug/L	0.020		1	05/05/22 09:07	05/05/22 15:54	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	94	%	70-130		1	05/05/22 09:07	05/05/22 15:54		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-27-4	
Bromoform	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50		1		05/09/22 18:17	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-00-3	
Chloroform	**<0.50**	ug/L	0.50		1		05/09/22 18:17	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-71-8	
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		05/09/22 18:17	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	99-87-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF **Lab ID: 70213238001** Collected: 05/03/22 08:30 Received: 05/03/22 11:21 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		1		05/09/22 18:17	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		05/09/22 18:17	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	103-65-1	
Styrene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	127-18-4	
Toluene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50		1		05/09/22 18:17		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	79-00-5	
Trichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	92	%	70-130		1		05/09/22 18:17	2199-69-1	
4-Bromofluorobenzene (S)	95	%	70-130		1		05/09/22 18:17	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: GAC-3S/4S (SEAMAN NECK GAC E-D **Lab ID: 70213238002** Collected: 05/03/22 08:45 Received: 05/03/22 11:21 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-27-4	
Bromoform	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50		1		05/09/22 18:44	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-00-3	
Chloroform	**<0.50**	ug/L	0.50		1		05/09/22 18:44	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-71-8	
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		05/09/22 18:44	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	99-87-6	
Methylene Chloride	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		05/09/22 18:44	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	103-65-1	
Styrene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	79-34-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: GAC-3S/4S (SEAMAN NECK GAC E-D **Lab ID: 70213238002** Collected: 05/03/22 08:45 Received: 05/03/22 11:21 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		1		05/09/22 18:44	127-18-4	
Toluene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50		1		05/09/22 18:44		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	79-00-5	
Trichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	85	%	70-130		1		05/09/22 18:44	2199-69-1	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/09/22 18:44	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: WELL 3A N-14347 (INFLUENT) **Lab ID: 70213238003** Collected: 05/03/22 09:05 Received: 05/03/22 11:21 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	05/05/22 09:07	05/05/22 16:26	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	94	%	70-130		1	05/05/22 09:07	05/05/22 16:26		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-27-4	
Bromoform	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50		1		05/09/22 19:10	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-00-3	
Chloroform	**<0.50**	ug/L	0.50		1		05/09/22 19:10	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-71-8	
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	107-06-2	
1,1-Dichloroethene	**0.68**	ug/L	0.50		1		05/09/22 19:10	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		05/09/22 19:10	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	99-87-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: WELL 3A N-14347 (INFLUENT) **Lab ID: 70213238003** Collected: 05/03/22 09:05 Received: 05/03/22 11:21 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		1		05/09/22 19:10	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		05/09/22 19:10	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	103-65-1	
Styrene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	127-18-4	
Toluene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50		1		05/09/22 19:10		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	79-00-5	
Trichloroethene	**27.3**	ug/L	0.50		1		05/09/22 19:10	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	96-18-4	
1,1,2-Trichlorotrifluoroethane	**0.77**	ug/L	0.50		1		05/09/22 19:10	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	88	%	70-130		1		05/09/22 19:10	2199-69-1	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/09/22 19:10	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70213238004** Collected: 05/03/22 09:20 Received: 05/03/22 11:21 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)	**1.7**	ug/L	0.020		1	05/05/22 09:07	05/05/22 17:00	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	97	%	70-130		1	05/05/22 09:07	05/05/22 17:00		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-27-4	
Bromoform	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50		1		05/09/22 19:37	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-00-3	
Chloroform	**<0.50**	ug/L	0.50		1		05/09/22 19:37	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-71-8	
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		05/09/22 19:37	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	99-87-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70213238004** Collected: 05/03/22 09:20 Received: 05/03/22 11:21 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		1		05/09/22 19:37	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		05/09/22 19:37	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	103-65-1	
Styrene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	127-18-4	
Toluene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50		1		05/09/22 19:37		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	79-00-5	
Trichloroethene	**4.0**	ug/L	0.50		1		05/09/22 19:37	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	87	%	70-130		1		05/09/22 19:37	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130		1		05/09/22 19:37	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

QC Batch: 255809
QC Batch Method: EPA 524.2
Analysis Method: EPA 524.2
Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70213238001, 70213238002, 70213238003, 70213238004

METHOD BLANK: 1292199 Matrix: Water
Associated Lab Samples: 70213238001, 70213238002, 70213238003, 70213238004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	05/09/22 13:50	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
1,1-Dichloroethene	ug/L	<0.50	0.50	05/09/22 13:50	
1,1-Dichloropropene	ug/L	<0.50	0.50	05/09/22 13:50	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	05/09/22 13:50	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
1,2-Dichloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
1,2-Dichloropropane	ug/L	<0.50	0.50	05/09/22 13:50	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
1,3-Dichloropropane	ug/L	<0.50	0.50	05/09/22 13:50	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
2,2-Dichloropropane	ug/L	<0.50	0.50	05/09/22 13:50	
2-Chlorotoluene	ug/L	<0.50	0.50	05/09/22 13:50	
4-Chlorotoluene	ug/L	<0.50	0.50	05/09/22 13:50	
Benzene	ug/L	<0.50	0.50	05/09/22 13:50	
Bromobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
Bromochloromethane	ug/L	<0.50	0.50	05/09/22 13:50	
Bromodichloromethane	ug/L	<0.50	0.50	05/09/22 13:50	
Bromoform	ug/L	<0.50	0.50	05/09/22 13:50	
Bromomethane	ug/L	<0.50	0.50	05/09/22 13:50	
Carbon tetrachloride	ug/L	<0.50	0.50	05/09/22 13:50	
Chlorobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
Chlorodifluoromethane	ug/L	<0.50	0.50	05/09/22 13:50	N3
Chloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
Chloroform	ug/L	<0.50	0.50	05/09/22 13:50	
Chloromethane	ug/L	<0.50	0.50	05/09/22 13:50	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	05/09/22 13:50	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	05/09/22 13:50	
Dibromochloromethane	ug/L	<0.50	0.50	05/09/22 13:50	
Dibromomethane	ug/L	<0.50	0.50	05/09/22 13:50	
Dichlorodifluoromethane	ug/L	<0.50	0.50	05/09/22 13:50	
Ethylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

METHOD BLANK: 1292199 Matrix: Water
Associated Lab Samples: 70213238001, 70213238002, 70213238003, 70213238004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	05/09/22 13:50	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	05/09/22 13:50	
m&p-Xylene	ug/L	<0.50	0.50	05/09/22 13:50	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	05/09/22 13:50	
Methylene Chloride	ug/L	<0.50	0.50	05/09/22 13:50	
n-Butylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	
n-Propylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	
o-Xylene	ug/L	<0.50	0.50	05/09/22 13:50	
p-Isopropyltoluene	ug/L	<0.50	0.50	05/09/22 13:50	
sec-Butylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	
Styrene	ug/L	<0.50	0.50	05/09/22 13:50	
tert-Butylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	
Tetrachloroethene	ug/L	<0.50	0.50	05/09/22 13:50	
Toluene	ug/L	<0.50	0.50	05/09/22 13:50	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	05/09/22 13:50	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	05/09/22 13:50	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	05/09/22 13:50	
Trichloroethene	ug/L	<0.50	0.50	05/09/22 13:50	
Trichlorofluoromethane	ug/L	<0.50	0.50	05/09/22 13:50	
Vinyl chloride	ug/L	<0.50	0.50	05/09/22 13:50	
1,2-Dichlorobenzene-d4 (S)	%	94	70-130	05/09/22 13:50	
4-Bromofluorobenzene (S)	%	92	70-130	05/09/22 13:50	

LABORATORY CONTROL SAMPLE: 1292200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.8	98	70-130	
1,1,1-Trichloroethane	ug/L	10	9.1	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	9.6	96	70-130	
1,1,2-Trichloroethane	ug/L	10	9.8	98	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	9.4	94	70-130	N3
1,1-Dichloroethane	ug/L	10	9.4	94	70-130	
1,1-Dichloroethene	ug/L	10	9.0	90	70-130	
1,1-Dichloropropene	ug/L	10	8.9	89	70-130	
1,2,3-Trichlorobenzene	ug/L	10	9.8	98	70-130	
1,2,3-Trichloropropane	ug/L	10	10	100	70-130	
1,2,4-Trichlorobenzene	ug/L	10	9.6	96	70-130	
1,2,4-Trimethylbenzene	ug/L	10	9.0	90	70-130	
1,2-Dichlorobenzene	ug/L	10	10.2	102	70-130	
1,2-Dichloroethane	ug/L	10	9.9	99	70-130	
1,2-Dichloropropane	ug/L	10	9.6	96	70-130	
1,3,5-Trimethylbenzene	ug/L	10	8.4	84	70-130	
1,3-Dichlorobenzene	ug/L	10	10.3	103	70-130	
1,3-Dichloropropane	ug/L	10	9.2	92	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

LABORATORY CONTROL SAMPLE: 1292200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	10.2	102	70-130	
2,2-Dichloropropane	ug/L	10	8.9	89	70-130	
2-Chlorotoluene	ug/L	10	9.8	98	70-130	
4-Chlorotoluene	ug/L	10	9.8	98	70-130	
Benzene	ug/L	10	9.7	97	70-130	
Bromobenzene	ug/L	10	10.0	100	70-130	
Bromochloromethane	ug/L	10	9.7	97	70-130	
Bromodichloromethane	ug/L	10	9.8	98	70-130	
Bromoform	ug/L	10	10.0	100	70-130	
Bromomethane	ug/L	10	9.7	97	70-130	
Carbon tetrachloride	ug/L	10	8.8	88	70-130	
Chlorobenzene	ug/L	10	10.1	101	70-130	
Chlorodifluoromethane	ug/L	10	7.4	74	70-130	N3
Chloroethane	ug/L	10	9.4	94	70-130	
Chloroform	ug/L	10	9.6	96	70-130	
Chloromethane	ug/L	10	10.1	101	70-130	
cis-1,2-Dichloroethene	ug/L	10	9.3	93	70-130	
cis-1,3-Dichloropropene	ug/L	10	9.9	99	70-130	
Dibromochloromethane	ug/L	10	9.9	99	70-130	
Dibromomethane	ug/L	10	9.2	92	70-130	
Dichlorodifluoromethane	ug/L	10	9.2	92	70-130	
Ethylbenzene	ug/L	10	9.4	94	70-130	
Hexachloro-1,3-butadiene	ug/L	10	9.3	93	70-130	
Isopropylbenzene (Cumene)	ug/L	10	9.4	94	70-130	
m&p-Xylene	ug/L	20	18.9	94	70-130	
Methyl-tert-butyl ether	ug/L	10	10.8	108	70-130	
Methylene Chloride	ug/L	10	9.6	96	70-130	
n-Butylbenzene	ug/L	10	9.9	99	70-130	
n-Propylbenzene	ug/L	10	9.6	96	70-130	
o-Xylene	ug/L	10	9.8	98	70-130	
p-Isopropyltoluene	ug/L	10	9.2	92	70-130	
sec-Butylbenzene	ug/L	10	9.1	91	70-130	
Styrene	ug/L	10	8.9	89	70-130	
tert-Butylbenzene	ug/L	10	9.4	94	70-130	
Tetrachloroethene	ug/L	10	9.2	92	70-130	
Toluene	ug/L	10	9.8	98	70-130	
Total Trihalomethanes (Calc.)	ug/L		39.4			
trans-1,2-Dichloroethene	ug/L	10	9.3	93	70-130	
trans-1,3-Dichloropropene	ug/L	10	9.9	99	70-130	
Trichloroethene	ug/L	10	9.6	96	70-130	
Trichlorofluoromethane	ug/L	10	9.3	93	70-130	
Vinyl chloride	ug/L	10	8.8	88	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

SAMPLE DUPLICATE: 1293229

Parameter	Units	70213201005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,1-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	<0.50		20	N3
1,1-Dichloroethane	ug/L	<0.50	<0.50		20	
1,1-Dichloroethene	ug/L	<0.50	<0.50		20	
1,1-Dichloropropene	ug/L	<0.50	<0.50		20	
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,3-Trichloropropane	ug/L	<0.50	<0.50		20	
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,4-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,2-Dichloroethane	ug/L	<0.50	<0.50		20	
1,2-Dichloropropane	ug/L	<0.50	<0.50		20	
1,3,5-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,3-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,3-Dichloropropane	ug/L	<0.50	<0.50		20	
1,4-Dichlorobenzene	ug/L	<0.50	<0.50		20	
2,2-Dichloropropane	ug/L	<0.50	<0.50		20	
2-Chlorotoluene	ug/L	<0.50	<0.50		20	
4-Chlorotoluene	ug/L	<0.50	<0.50		20	
Benzene	ug/L	<0.50	<0.50		20	
Bromobenzene	ug/L	<0.50	<0.50		20	
Bromochloromethane	ug/L	<0.50	<0.50		20	
Bromodichloromethane	ug/L	<0.50	<0.50		20	
Bromoform	ug/L	<0.50	<0.50		20	
Bromomethane	ug/L	<0.50	<0.50		20	
Carbon tetrachloride	ug/L	<0.50	<0.50		20	
Chlorobenzene	ug/L	<0.50	<0.50		20	
Chlorodifluoromethane	ug/L	<0.50	<0.50		20	N3
Chloroethane	ug/L	<0.50	<0.50		20	
Chloroform	ug/L	<0.50	<0.50		20	
Chloromethane	ug/L	<0.50	<0.50		20	
cis-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
cis-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Dibromochloromethane	ug/L	<0.50	<0.50		20	
Dibromomethane	ug/L	<0.50	<0.50		20	
Dichlorodifluoromethane	ug/L	<0.50	<0.50		20	
Ethylbenzene	ug/L	<0.50	<0.50		20	
Hexachloro-1,3-butadiene	ug/L	<0.50	<0.50		20	
Isopropylbenzene (Cumene)	ug/L	<0.50	<0.50		20	
m&p-Xylene	ug/L	<0.50	<0.50		20	
Methyl-tert-butyl ether	ug/L	<0.50	<0.50		20	
Methylene Chloride	ug/L	<0.50	<0.50		20	
n-Butylbenzene	ug/L	<0.50	<0.50		20	
n-Propylbenzene	ug/L	<0.50	<0.50		20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

SAMPLE DUPLICATE: 1293229

Parameter	Units	70213201005 Result	Dup Result	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	<0.50	<0.50		20	
p-Isopropyltoluene	ug/L	<0.50	<0.50		20	
sec-Butylbenzene	ug/L	<0.50	<0.50		20	
Styrene	ug/L	<0.50	<0.50		20	
tert-Butylbenzene	ug/L	<0.50	<0.50		20	
Tetrachloroethene	ug/L	0.84	0.81	3	20	
Toluene	ug/L	<0.50	<0.50		20	
Total Trihalomethanes (Calc.)	ug/L	<0.50	<0.50		20	
trans-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
trans-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Trichloroethene	ug/L	<0.50	<0.50		20	
Trichlorofluoromethane	ug/L	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	86	91		20	
4-Bromofluorobenzene (S)	%	93	91		20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

QC Batch: 255261
QC Batch Method: EPA 522
Analysis Method: EPA 522
Analysis Description: 522 MSS 1,4 Dioxane
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70213238001, 70213238003, 70213238004

METHOD BLANK: 1289718 Matrix: Drinking Water
Associated Lab Samples: 70213238001, 70213238003, 70213238004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	05/05/22 15:21	
1,4-Dioxane-d8 (S)	%	94	70-130	05/05/22 15:21	

LABORATORY CONTROL SAMPLE: 1289719

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)	%			97	70-130	

MATRIX SPIKE SAMPLE: 1289720

Parameter	Units	70213238001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1.7	4	5.3	91	70-130	E
1,4-Dioxane-d8 (S)	%				96	70-130	

SAMPLE DUPLICATE: 1289721

Parameter	Units	70213238003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1.8	1.9	5	30	
1,4-Dioxane-d8 (S)	%	94	97		30	

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70213238001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	EPA 522	255261	EPA 522	255411
70213238003	**WELL 3A N-14347 (INFLUENT)**	EPA 522	255261	EPA 522	255411
70213238004	**WELL 4 N-09338 (INFLUENT)**	EPA 522	255261	EPA 522	255411
70213238001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	EPA 524.2	255809		
70213238002	**GAC-3S/4S (SEAMAN NECK GAC E-D**	EPA 524.2	255809		
70213238003	**WELL 3A N-14347 (INFLUENT)**	EPA 524.2	255809		
70213238004	**WELL 4 N-09338 (INFLUENT)**	EPA 524.2	255809		

Pace Analytical

CHAIN-OF-CUSTODY / Analytic

The Chain-of-Custody is a LEGAL DOCUMENT. /

WO# : 70213238

70213238

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

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	POC (VOCs by 524.2)	1,4-dioxane (522)	Residual Chlorine (Y/N)
1	GAC-3S/4S (Seaman Neck GAC Effluent)	DW	G	5.3.22		5.3.22	8:30		4				X		X				X	X	
2	GAC-3S/4S (Seaman Neck GAC Effluent)-D	DW	G			5.3.22	8:45		2				X						X		
3	Well 3A N-14347 (Influent)	DW	G			5.3.22	9:05		4				X		X				X	X	
4	Well 4 N-09338 (Influent)	DW	G			5.3.22	9:20		4				X		X				X	X	
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		5-3-22		Sean Rivenburg	5/3/22	1121	04	W	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER:

DATE Signed: 5-3-2022

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

Pace Analytical®

Sample Condition Upon Rece

WO#: 70213238

PM: KMM **Due Date: 05/12/22**

CLIENT: KGS

Client Name: KGS Project

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

Tracking #:

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

Temperature Blank Present: ☐ Yes ☐ No

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

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 Correction Factor: +0.1

☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): .4 Cooler Temperature Corrected(°C): .5

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: KW 5/3/22

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

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

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

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☑ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for I	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/ Matrix: SL (WT) OIL				
All containers needing preservation have been checked?	☑ Yes	☐ No	☐ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC752724				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☑ Yes	☐ No	☐ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	16.
Trip Blank Present:	☐ Yes	☑ No	☐ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

ATTACHMENT 2

QUARTERLY MIC ANALYTICAL RESULTS – Q2 2022

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

May 24, 2022

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

RE: Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Dear Robert Gregory:

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

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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

SAMPLE SUMMARY

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70213238001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	Drinking Water	05/03/22 08:30	05/03/22 11:21
70213238002	**GAC-3S/4S (SEAMAN NECK GAC E-D**	Drinking Water	05/03/22 08:45	05/03/22 11:21
70213238003	**WELL 3A N-14347 (INFLUENT)**	Drinking Water	05/03/22 09:05	05/03/22 11:21
70213238004	**WELL 4 N-09338 (INFLUENT)**	Drinking Water	05/03/22 09:20	05/03/22 11:21

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

SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70213238001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	EPA 522	AI1	2
		EPA 524.2	KGG	62
70213238002	**GAC-3S/4S (SEAMAN NECK GAC E-D**	EPA 524.2	KGG	62
70213238003	**WELL 3A N-14347 (INFLUENT)**	EPA 522	AI1	2
		EPA 524.2	KGG	62
70213238004	**WELL 4 N-09338 (INFLUENT)**	EPA 522	AI1	2
		EPA 524.2	KGG	62

PACE-MV = Pace Analytical Services - Melville

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF **Lab ID: 70213238001** Collected: 05/03/22 08:30 Received: 05/03/22 11:21 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)	**1.7**	ug/L	0.020		1	05/05/22 09:07	05/05/22 15:54	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	94	%	70-130		1	05/05/22 09:07	05/05/22 15:54		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-27-4	
Bromoform	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50		1		05/09/22 18:17	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-00-3	
Chloroform	**<0.50**	ug/L	0.50		1		05/09/22 18:17	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-71-8	
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		05/09/22 18:17	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	99-87-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF **Lab ID: 70213238001** Collected: 05/03/22 08:30 Received: 05/03/22 11:21 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		1		05/09/22 18:17	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		05/09/22 18:17	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	103-65-1	
Styrene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	127-18-4	
Toluene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50		1		05/09/22 18:17		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	79-00-5	
Trichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:17	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50		1		05/09/22 18:17	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 18:17	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	92	%	70-130		1		05/09/22 18:17	2199-69-1	
4-Bromofluorobenzene (S)	95	%	70-130		1		05/09/22 18:17	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: GAC-3S/4S (SEAMAN NECK GAC E-D **Lab ID: 70213238002** Collected: 05/03/22 08:45 Received: 05/03/22 11:21 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-27-4	
Bromoform	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50		1		05/09/22 18:44	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-00-3	
Chloroform	**<0.50**	ug/L	0.50		1		05/09/22 18:44	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-71-8	
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		05/09/22 18:44	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	99-87-6	
Methylene Chloride	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		05/09/22 18:44	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	103-65-1	
Styrene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	79-34-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: GAC-3S/4S (SEAMAN NECK GAC E-D **Lab ID: 70213238002** Collected: 05/03/22 08:45 Received: 05/03/22 11:21 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		1		05/09/22 18:44	127-18-4	
Toluene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50		1		05/09/22 18:44		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	79-00-5	
Trichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		05/09/22 18:44	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50		1		05/09/22 18:44	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 18:44	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	85	%	70-130		1		05/09/22 18:44	2199-69-1	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/09/22 18:44	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: WELL 3A N-14347 (INFLUENT) **Lab ID: 70213238003** Collected: 05/03/22 09:05 Received: 05/03/22 11:21 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	05/05/22 09:07	05/05/22 16:26	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	94	%	70-130		1	05/05/22 09:07	05/05/22 16:26		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-27-4	
Bromoform	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50		1		05/09/22 19:10	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-00-3	
Chloroform	**<0.50**	ug/L	0.50		1		05/09/22 19:10	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-71-8	
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	107-06-2	
1,1-Dichloroethene	**0.68**	ug/L	0.50		1		05/09/22 19:10	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		05/09/22 19:10	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	99-87-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: WELL 3A N-14347 (INFLUENT) **Lab ID: 70213238003** Collected: 05/03/22 09:05 Received: 05/03/22 11:21 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		1		05/09/22 19:10	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		05/09/22 19:10	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	103-65-1	
Styrene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	127-18-4	
Toluene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50		1		05/09/22 19:10		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	79-00-5	
Trichloroethene	**27.3**	ug/L	0.50		1		05/09/22 19:10	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:10	96-18-4	
1,1,2-Trichlorotrifluoroethane	**0.77**	ug/L	0.50		1		05/09/22 19:10	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50		1		05/09/22 19:10	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 19:10	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	88	%	70-130		1		05/09/22 19:10	2199-69-1	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/09/22 19:10	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70213238004** Collected: 05/03/22 09:20 Received: 05/03/22 11:21 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)	**1.7**	ug/L	0.020		1	05/05/22 09:07	05/05/22 17:00	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	97	%	70-130		1	05/05/22 09:07	05/05/22 17:00		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-27-4	
Bromoform	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50		1		05/09/22 19:37	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-45-6	N3
Chloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-00-3	
Chloroform	**<0.50**	ug/L	0.50		1		05/09/22 19:37	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-71-8	
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		05/09/22 19:37	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	99-87-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70213238004** Collected: 05/03/22 09:20 Received: 05/03/22 11:21 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		1		05/09/22 19:37	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		05/09/22 19:37	1634-04-4	
n-Propylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	103-65-1	
Styrene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	127-18-4	
Toluene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50		1		05/09/22 19:37		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	79-00-5	
Trichloroethene	**4.0**	ug/L	0.50		1		05/09/22 19:37	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		05/09/22 19:37	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50		1		05/09/22 19:37	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		05/09/22 19:37	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	87	%	70-130		1		05/09/22 19:37	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130		1		05/09/22 19:37	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

QC Batch: 255809
QC Batch Method: EPA 524.2
Analysis Method: EPA 524.2
Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70213238001, 70213238002, 70213238003, 70213238004

METHOD BLANK: 1292199 Matrix: Water
Associated Lab Samples: 70213238001, 70213238002, 70213238003, 70213238004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	05/09/22 13:50	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
1,1-Dichloroethene	ug/L	<0.50	0.50	05/09/22 13:50	
1,1-Dichloropropene	ug/L	<0.50	0.50	05/09/22 13:50	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	05/09/22 13:50	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
1,2-Dichloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
1,2-Dichloropropane	ug/L	<0.50	0.50	05/09/22 13:50	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
1,3-Dichloropropane	ug/L	<0.50	0.50	05/09/22 13:50	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
2,2-Dichloropropane	ug/L	<0.50	0.50	05/09/22 13:50	
2-Chlorotoluene	ug/L	<0.50	0.50	05/09/22 13:50	
4-Chlorotoluene	ug/L	<0.50	0.50	05/09/22 13:50	
Benzene	ug/L	<0.50	0.50	05/09/22 13:50	
Bromobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
Bromochloromethane	ug/L	<0.50	0.50	05/09/22 13:50	
Bromodichloromethane	ug/L	<0.50	0.50	05/09/22 13:50	
Bromoform	ug/L	<0.50	0.50	05/09/22 13:50	
Bromomethane	ug/L	<0.50	0.50	05/09/22 13:50	
Carbon tetrachloride	ug/L	<0.50	0.50	05/09/22 13:50	
Chlorobenzene	ug/L	<0.50	0.50	05/09/22 13:50	
Chlorodifluoromethane	ug/L	<0.50	0.50	05/09/22 13:50	N3
Chloroethane	ug/L	<0.50	0.50	05/09/22 13:50	
Chloroform	ug/L	<0.50	0.50	05/09/22 13:50	
Chloromethane	ug/L	<0.50	0.50	05/09/22 13:50	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	05/09/22 13:50	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	05/09/22 13:50	
Dibromochloromethane	ug/L	<0.50	0.50	05/09/22 13:50	
Dibromomethane	ug/L	<0.50	0.50	05/09/22 13:50	
Dichlorodifluoromethane	ug/L	<0.50	0.50	05/09/22 13:50	
Ethylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

METHOD BLANK: 1292199 Matrix: Water
Associated Lab Samples: 70213238001, 70213238002, 70213238003, 70213238004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	05/09/22 13:50	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	05/09/22 13:50	
m&p-Xylene	ug/L	<0.50	0.50	05/09/22 13:50	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	05/09/22 13:50	
Methylene Chloride	ug/L	<0.50	0.50	05/09/22 13:50	
n-Butylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	
n-Propylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	
o-Xylene	ug/L	<0.50	0.50	05/09/22 13:50	
p-Isopropyltoluene	ug/L	<0.50	0.50	05/09/22 13:50	
sec-Butylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	
Styrene	ug/L	<0.50	0.50	05/09/22 13:50	
tert-Butylbenzene	ug/L	<0.50	0.50	05/09/22 13:50	
Tetrachloroethene	ug/L	<0.50	0.50	05/09/22 13:50	
Toluene	ug/L	<0.50	0.50	05/09/22 13:50	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	05/09/22 13:50	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	05/09/22 13:50	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	05/09/22 13:50	
Trichloroethene	ug/L	<0.50	0.50	05/09/22 13:50	
Trichlorofluoromethane	ug/L	<0.50	0.50	05/09/22 13:50	
Vinyl chloride	ug/L	<0.50	0.50	05/09/22 13:50	
1,2-Dichlorobenzene-d4 (S)	%	94	70-130	05/09/22 13:50	
4-Bromofluorobenzene (S)	%	92	70-130	05/09/22 13:50	

LABORATORY CONTROL SAMPLE: 1292200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.8	98	70-130	
1,1,1-Trichloroethane	ug/L	10	9.1	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	9.6	96	70-130	
1,1,2-Trichloroethane	ug/L	10	9.8	98	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	9.4	94	70-130	N3
1,1-Dichloroethane	ug/L	10	9.4	94	70-130	
1,1-Dichloroethene	ug/L	10	9.0	90	70-130	
1,1-Dichloropropene	ug/L	10	8.9	89	70-130	
1,2,3-Trichlorobenzene	ug/L	10	9.8	98	70-130	
1,2,3-Trichloropropane	ug/L	10	10	100	70-130	
1,2,4-Trichlorobenzene	ug/L	10	9.6	96	70-130	
1,2,4-Trimethylbenzene	ug/L	10	9.0	90	70-130	
1,2-Dichlorobenzene	ug/L	10	10.2	102	70-130	
1,2-Dichloroethane	ug/L	10	9.9	99	70-130	
1,2-Dichloropropane	ug/L	10	9.6	96	70-130	
1,3,5-Trimethylbenzene	ug/L	10	8.4	84	70-130	
1,3-Dichlorobenzene	ug/L	10	10.3	103	70-130	
1,3-Dichloropropane	ug/L	10	9.2	92	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

LABORATORY CONTROL SAMPLE: 1292200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	10.2	102	70-130	
2,2-Dichloropropane	ug/L	10	8.9	89	70-130	
2-Chlorotoluene	ug/L	10	9.8	98	70-130	
4-Chlorotoluene	ug/L	10	9.8	98	70-130	
Benzene	ug/L	10	9.7	97	70-130	
Bromobenzene	ug/L	10	10.0	100	70-130	
Bromochloromethane	ug/L	10	9.7	97	70-130	
Bromodichloromethane	ug/L	10	9.8	98	70-130	
Bromoform	ug/L	10	10.0	100	70-130	
Bromomethane	ug/L	10	9.7	97	70-130	
Carbon tetrachloride	ug/L	10	8.8	88	70-130	
Chlorobenzene	ug/L	10	10.1	101	70-130	
Chlorodifluoromethane	ug/L	10	7.4	74	70-130	N3
Chloroethane	ug/L	10	9.4	94	70-130	
Chloroform	ug/L	10	9.6	96	70-130	
Chloromethane	ug/L	10	10.1	101	70-130	
cis-1,2-Dichloroethene	ug/L	10	9.3	93	70-130	
cis-1,3-Dichloropropene	ug/L	10	9.9	99	70-130	
Dibromochloromethane	ug/L	10	9.9	99	70-130	
Dibromomethane	ug/L	10	9.2	92	70-130	
Dichlorodifluoromethane	ug/L	10	9.2	92	70-130	
Ethylbenzene	ug/L	10	9.4	94	70-130	
Hexachloro-1,3-butadiene	ug/L	10	9.3	93	70-130	
Isopropylbenzene (Cumene)	ug/L	10	9.4	94	70-130	
m&p-Xylene	ug/L	20	18.9	94	70-130	
Methyl-tert-butyl ether	ug/L	10	10.8	108	70-130	
Methylene Chloride	ug/L	10	9.6	96	70-130	
n-Butylbenzene	ug/L	10	9.9	99	70-130	
n-Propylbenzene	ug/L	10	9.6	96	70-130	
o-Xylene	ug/L	10	9.8	98	70-130	
p-Isopropyltoluene	ug/L	10	9.2	92	70-130	
sec-Butylbenzene	ug/L	10	9.1	91	70-130	
Styrene	ug/L	10	8.9	89	70-130	
tert-Butylbenzene	ug/L	10	9.4	94	70-130	
Tetrachloroethene	ug/L	10	9.2	92	70-130	
Toluene	ug/L	10	9.8	98	70-130	
Total Trihalomethanes (Calc.)	ug/L		39.4			
trans-1,2-Dichloroethene	ug/L	10	9.3	93	70-130	
trans-1,3-Dichloropropene	ug/L	10	9.9	99	70-130	
Trichloroethene	ug/L	10	9.6	96	70-130	
Trichlorofluoromethane	ug/L	10	9.3	93	70-130	
Vinyl chloride	ug/L	10	8.8	88	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

SAMPLE DUPLICATE: 1293229

Parameter	Units	70213201005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,1-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	<0.50		20	N3
1,1-Dichloroethane	ug/L	<0.50	<0.50		20	
1,1-Dichloroethene	ug/L	<0.50	<0.50		20	
1,1-Dichloropropene	ug/L	<0.50	<0.50		20	
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,3-Trichloropropane	ug/L	<0.50	<0.50		20	
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,4-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,2-Dichloroethane	ug/L	<0.50	<0.50		20	
1,2-Dichloropropane	ug/L	<0.50	<0.50		20	
1,3,5-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,3-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,3-Dichloropropane	ug/L	<0.50	<0.50		20	
1,4-Dichlorobenzene	ug/L	<0.50	<0.50		20	
2,2-Dichloropropane	ug/L	<0.50	<0.50		20	
2-Chlorotoluene	ug/L	<0.50	<0.50		20	
4-Chlorotoluene	ug/L	<0.50	<0.50		20	
Benzene	ug/L	<0.50	<0.50		20	
Bromobenzene	ug/L	<0.50	<0.50		20	
Bromochloromethane	ug/L	<0.50	<0.50		20	
Bromodichloromethane	ug/L	<0.50	<0.50		20	
Bromoform	ug/L	<0.50	<0.50		20	
Bromomethane	ug/L	<0.50	<0.50		20	
Carbon tetrachloride	ug/L	<0.50	<0.50		20	
Chlorobenzene	ug/L	<0.50	<0.50		20	
Chlorodifluoromethane	ug/L	<0.50	<0.50		20	N3
Chloroethane	ug/L	<0.50	<0.50		20	
Chloroform	ug/L	<0.50	<0.50		20	
Chloromethane	ug/L	<0.50	<0.50		20	
cis-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
cis-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Dibromochloromethane	ug/L	<0.50	<0.50		20	
Dibromomethane	ug/L	<0.50	<0.50		20	
Dichlorodifluoromethane	ug/L	<0.50	<0.50		20	
Ethylbenzene	ug/L	<0.50	<0.50		20	
Hexachloro-1,3-butadiene	ug/L	<0.50	<0.50		20	
Isopropylbenzene (Cumene)	ug/L	<0.50	<0.50		20	
m&p-Xylene	ug/L	<0.50	<0.50		20	
Methyl-tert-butyl ether	ug/L	<0.50	<0.50		20	
Methylene Chloride	ug/L	<0.50	<0.50		20	
n-Butylbenzene	ug/L	<0.50	<0.50		20	
n-Propylbenzene	ug/L	<0.50	<0.50		20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

SAMPLE DUPLICATE: 1293229

Parameter	Units	70213201005 Result	Dup Result	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	<0.50	<0.50		20	
p-Isopropyltoluene	ug/L	<0.50	<0.50		20	
sec-Butylbenzene	ug/L	<0.50	<0.50		20	
Styrene	ug/L	<0.50	<0.50		20	
tert-Butylbenzene	ug/L	<0.50	<0.50		20	
Tetrachloroethene	ug/L	0.84	0.81	3	20	
Toluene	ug/L	<0.50	<0.50		20	
Total Trihalomethanes (Calc.)	ug/L	<0.50	<0.50		20	
trans-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
trans-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Trichloroethene	ug/L	<0.50	<0.50		20	
Trichlorofluoromethane	ug/L	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	86	91		20	
4-Bromofluorobenzene (S)	%	93	91		20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

QC Batch: 255261
QC Batch Method: EPA 522
Analysis Method: EPA 522
Analysis Description: 522 MSS 1,4 Dioxane
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70213238001, 70213238003, 70213238004

METHOD BLANK: 1289718 Matrix: Drinking Water
Associated Lab Samples: 70213238001, 70213238003, 70213238004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	05/05/22 15:21	
1,4-Dioxane-d8 (S)	%	94	70-130	05/05/22 15:21	

LABORATORY CONTROL SAMPLE: 1289719

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)	%			97	70-130	

MATRIX SPIKE SAMPLE: 1289720

Parameter	Units	70213238001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1.7	4	5.3	91	70-130	E
1,4-Dioxane-d8 (S)	%				96	70-130	

SAMPLE DUPLICATE: 1289721

Parameter	Units	70213238003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1.8	1.9	5	30	
1,4-Dioxane-d8 (S)	%	94	97		30	

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK OPS FACILITY
Pace Project No.: 70213238

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70213238001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	EPA 522	255261	EPA 522	255411
70213238003	**WELL 3A N-14347 (INFLUENT)**	EPA 522	255261	EPA 522	255411
70213238004	**WELL 4 N-09338 (INFLUENT)**	EPA 522	255261	EPA 522	255411
70213238001	**GAC-3S/4S (SEAMAN NECK GAC EFF**	EPA 524.2	255809		
70213238002	**GAC-3S/4S (SEAMAN NECK GAC E-D**	EPA 524.2	255809		
70213238003	**WELL 3A N-14347 (INFLUENT)**	EPA 524.2	255809		
70213238004	**WELL 4 N-09338 (INFLUENT)**	EPA 524.2	255809		

Pace Analytical

CHAIN-OF-CUSTODY / Analytic

The Chain-of-Custody is a LEGAL DOCUMENT. /

WO# : 70213238

70213238

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

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	POC (VOCs by 524.2)	1,4-dioxane (522)	Residual Chlorine (Y/N)
1	GAC-3S/4S (Seaman Neck GAC Effluent)	DW	G	5.3.22		5.3.22	8:30		4				X		X				X	X	
2	GAC-3S/4S (Seaman Neck GAC Effluent)-D	DW	G			5.3.22	8:45		2				X						X		
3	Well 3A N-14347 (Influent)	DW	G			5.3.22	9:05		4				X		X				X	X	
4	Well 4 N-09338 (Influent)	DW	G			5.3.22	9:20		4				X		X				X	X	
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		5-3-22		Sean Rivenburg	5/3/22	1121	04	W	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER:

DATE Signed: 5-3-2022

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

Pace Analytical®

Sample Condition Upon Rece

WO#: 70213238

PM: KMM **Due Date: 05/12/22**

CLIENT: KGS

Client Name: KGS Project

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

Tracking #:

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

Temperature Blank Present: ☐ Yes ☐ No

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

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 Correction Factor: +0.1

☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): .4 Cooler Temperature Corrected(°C): .5

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: KW 5/3/22

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

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

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

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☑ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for I	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/ Matrix: SL (WT) OIL				
All containers needing preservation have been checked?	☑ Yes	☐ No	☐ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC752724				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☑ Yes	☐ No	☐ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	16.
Trip Blank Present:	☐ Yes	☑ No	☐ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

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

May 19, 2022

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

RE: Project: BACT 5/17
Pace Project No.: 70214968

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on May 17, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: BACT 5/17
Pace Project No.: 70214968

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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

SAMPLE SUMMARY

Project: BACT 5/17
Pace Project No.: 70214968

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70214968001	**GAC-3S/4S-VESSEL#100-0**	Drinking Water	05/17/22 06:35	05/17/22 10:45
70214968002	**GAC-3S/4S-VESSEL#100-2**	Drinking Water	05/17/22 06:37	05/17/22 10:45
70214968003	**GAC-3S/4S-VESSEL#100-5**	Drinking Water	05/17/22 06:40	05/17/22 10:45
70214968004	**GAC-3S/4S-VESSEL#100-10**	Drinking Water	05/17/22 06:45	05/17/22 10:45
70214968005	**GAC-3S/4S-VESSEL#100-30**	Drinking Water	05/17/22 07:05	05/17/22 10:45

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

SAMPLE ANALYTE COUNT

Project: BACT 5/17
Pace Project No.: 70214968

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70214968001	**GAC-3S/4S-VESSEL#100-0**	SM22 9223B Colilert	SDO	2
70214968002	**GAC-3S/4S-VESSEL#100-2**	SM22 9223B Colilert	SDO	2
70214968003	**GAC-3S/4S-VESSEL#100-5**	SM22 9223B Colilert	SDO	2
70214968004	**GAC-3S/4S-VESSEL#100-10**	SM22 9223B Colilert	SDO	2
70214968005	**GAC-3S/4S-VESSEL#100-30**	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214968

Sample: GAC-3S/4S-VESSEL#100-0 **Lab ID: 70214968001** Collected: 05/17/22 06:35 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214968

Sample: GAC-3S/4S-VESSEL#100-2 **Lab ID: 70214968002** Collected: 05/17/22 06:37 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214968

Sample: GAC-3S/4S-VESSEL#100-5 **Lab ID: 70214968003** Collected: 05/17/22 06:40 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214968

Sample: GAC-3S/4S-VESSEL#100-10 **Lab ID: 70214968004** Collected: 05/17/22 06:45 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214968

Sample: GAC-3S/4S-VESSEL#100-30 **Lab ID: 70214968005** Collected: 05/17/22 07:05 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: BACT 5/17
Pace Project No.: 70214968

QC Batch: 257120
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: 70214968001, 70214968002, 70214968003, 70214968004, 70214968005

METHOD BLANK: 1298707
Matrix: Drinking Water
Associated Lab Samples: 70214968001, 70214968002, 70214968003, 70214968004, 70214968005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		05/18/22 12:25	
Total Coliforms		Absent		05/18/22 12:25	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: BACT 5/17
Pace Project No.: 70214968

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BACT 5/17
Pace Project No.: 70214968

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70214968001	**GAC-3S/4S-VESSEL#100-0**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385
70214968002	**GAC-3S/4S-VESSEL#100-2**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385
70214968003	**GAC-3S/4S-VESSEL#100-5**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385
70214968004	**GAC-3S/4S-VESSEL#100-10**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385
70214968005	**GAC-3S/4S-VESSEL#100-30**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request D

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

WO# : 70214968

70214968

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	KOMAN Government Solutions, LLC	Report To:	Stephane Roy	Attention:	Accounts Payable
Address:	180 Gordon Dr., Suite 110	Copy To:	DOH	Company Name:	KOMAN Government Solutions, LL
	Exton, PA			Address:	accountspayable@komangs.com
Email To:	sroy@komangs.com	Purchase Order No.:		Pace Quote Reference:	00016758
Phone:	610-400-0622 Fax:	Project Name:	NYAW-MERRICK OPS FACILITY	Pace Project Manager:	Stuart Murrell
Requested Due Date/TAT:		Project Number:	02607-004	Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☑ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N ↓ Analysis Test ↓	Coliert (Fecal/Ecoli)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS																	N			
1	GAC-3S/4S-Vessel#100-0	DW	G			5·17·22	6:35		1	X									X		
2	GAC-3S/4S-Vessel#100-2	DW	G			5·17·22	6:37		1	X									X		
3	GAC-3S/4S-Vessel#100-5	DW	G			5·17·22	6:40		1	X									X		
4	GAC-3S/4S-Vessel#100-10	DW	G			5·17·22	6:45		1	X									X		
5	GAC-3S/4S-Vessel#100-30	DW	G			5·17·22	7:05		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	5/17/22			5/17	10:45	0.6	W	N	Y

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Randy Hoffmaster					
SIGNATURE of SAMPLER:	Randy Hoffmaster	DATE Signed (MM/DD/YY): 5·17·2022				

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

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

COC PAGE ___ of ___

Sample Container Count

WO# : 70214968

PM: KMM **Due Date: 05/24/22**

CLIENT: KGS

Client: KGS Profile # 54556

Work ID: BYCT 5/17 Notes

☐ Use Point Number Spreadshee

☐ Add SCLOGFD to first sample for

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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11																																																					
12																																																					

Container Codes

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

Plastic		Misc.	
BP4U	125mL unpreserved plastic	SP5T	120mL Colliform Na Thio
BP3U	250mL unpreserved plastic	R	Terracore Kit
BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar
BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
BP3C	NaOH 250mL bottle	GN	General
BP3T	250mL Trizma	WP	Wipe
BP35	250mL Ammonium Acetate		
BP3R	250mL NH4SO4-NH4OH		
BP1Z	1L NaOH, Zn Acetate		
BP1N	1L HNO3 plastic		
BP1B	Na Thiosulfate Amber Bottle		

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

* Can also be a BP4N

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

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

Additional Comments

Pace Analytical®

Sample Condition Upon Receipt

WO# : 70214968

PM: KMM **Due Date: 05/24/22**

CLIENT: KGS

Client Name: 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

Temperature Blank Present: ☐ Yes ☑ No

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

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 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: 5.17.22 MB

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 L	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☐ Yes	☐ No		12.
-Includes date/time/ID/Matrix: SL (WT) OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				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)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☑ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

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

ENV-FRM-MELV-0024 01

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

May 19, 2022

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

RE: Project: BACT 5/17
Pace Project No.: 70214967

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on May 17, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: BACT 5/17
Pace Project No.: 70214967

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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

SAMPLE SUMMARY

Project: BACT 5/17
Pace Project No.: 70214967

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70214967001	**GAC-3S/4S-VESSEL#200-0**	Drinking Water	05/17/22 07:15	05/17/22 10:45
70214967002	**GAC-3S/4S-VESSEL#200-2**	Drinking Water	05/17/22 07:17	05/17/22 10:45
70214967003	**GAC-3S/4S-VESSEL#200-5**	Drinking Water	05/17/22 07:20	05/17/22 10:45
70214967004	**GAC-3S/4S-VESSEL#200-10**	Drinking Water	05/17/22 07:25	05/17/22 10:45
70214967005	**GAC-3S/4S-VESSEL#200-30**	Drinking Water	05/17/22 07:45	05/17/22 10:45

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

SAMPLE ANALYTE COUNT

Project: BACT 5/17
Pace Project No.: 70214967

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70214967001	**GAC-3S/4S-VESSEL#200-0**	SM22 9223B Colilert	SDO	2
70214967002	**GAC-3S/4S-VESSEL#200-2**	SM22 9223B Colilert	SDO	2
70214967003	**GAC-3S/4S-VESSEL#200-5**	SM22 9223B Colilert	SDO	2
70214967004	**GAC-3S/4S-VESSEL#200-10**	SM22 9223B Colilert	SDO	2
70214967005	**GAC-3S/4S-VESSEL#200-30**	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214967

Sample: GAC-3S/4S-VESSEL#200-0 **Lab ID: 70214967001** Collected: 05/17/22 07:15 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214967

Sample: GAC-3S/4S-VESSEL#200-2 **Lab ID: 70214967002** Collected: 05/17/22 07:17 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214967

Sample: GAC-3S/4S-VESSEL#200-5 **Lab ID: 70214967003** Collected: 05/17/22 07:20 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214967

Sample: GAC-3S/4S-VESSEL#200-10 **Lab ID: 70214967004** Collected: 05/17/22 07:25 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214967

Sample: GAC-3S/4S-VESSEL#200-30 **Lab ID: 70214967005** Collected: 05/17/22 07:45 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: BACT 5/17
Pace Project No.: 70214967

QC Batch: 257120
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: 70214967001, 70214967002, 70214967003, 70214967004, 70214967005

METHOD BLANK: 1298707
Matrix: Drinking Water
Associated Lab Samples: 70214967001, 70214967002, 70214967003, 70214967004, 70214967005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		05/18/22 12:25	
Total Coliforms		Absent		05/18/22 12:25	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: BACT 5/17
Pace Project No.: 70214967

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BACT 5/17
Pace Project No.: 70214967

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70214967001	**GAC-3S/4S-VESSEL#200-0**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385
70214967002	**GAC-3S/4S-VESSEL#200-2**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385
70214967003	**GAC-3S/4S-VESSEL#200-5**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385
70214967004	**GAC-3S/4S-VESSEL#200-10**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385
70214967005	**GAC-3S/4S-VESSEL#200-30**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385

WO# : 70214967

70214967

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	KOMAN Government Solutions, LLC	Report To:	Stephane Roy	Attention:	Accounts Payable
Address:	180 Gordon Dr., Suite 110	Copy To:	DOH	Company Name:	KOMAN Government Solutions, LL
	Exton, PA			Address:	accountspayable@komangs.com
Email To:	sroy@komangs.com	Purchase Order No.:		Pace Quote Reference:	00016758
Phone:	610-400-0622 Fax:	Project Name:	NYAW-MERRICK OPS FACILITY	Pace Project Manager:	Stuart Murrell
Requested Due Date/TAT:		Project Number:	02607-004	Pace Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER ✓ | DRINKING WATER

UST | RCRA | OTHER

Site Location STATE: NY

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	Coliert (Fecal/Ecoli)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		Y/N ↓	N		
1	GAC-3S/4S-Vessel#200-0	DW	G			5.17.22	7:15		1	X									X		
2	GAC-3S/4S-Vessel#200-2	DW	G			5.17.22	7:17		1	X									X		
3	GAC-3S/4S-Vessel#200-5	DW	G			5.17.22	7:20		1	X									X		
4	GAC-3S/4S-Vessel#200-10	DW	G			5.17.22	7:25		1	X									X		
5	GAC-3S/4S-Vessel#200-30	DW	G			5.17.22	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	5.17.22			5/17	10:45	0.6 / W / N / Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster

DATE Signed (MM/DD/YY): 5/17/2022

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

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

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

COC PAGE ___ of ___

Sample Container Count

WO# : 70214967

PM: KMM **Due Date: 05/24/22**

CLIENT: KGS

Client: KGS Profile # 5456

Work ID: BUCT 5/17 Notes

☐ Use Point Number Spreadsheet

☐ Add SCLOGFD to first sample for Field C

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

Container Codes

Glass				Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic	SP5T	120mL Coliform Na Thio
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	R	Terracore Kit
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
VG9S	40mL Sulfuric clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma	WP	Wipe
		AG1A	(NH4Cl)	BP3S	250mL Ammonium Acetate		
WG9O	8oz clear soil jar			BP3R	250mL NH4SO4-NH4OH		
WG4O	4oz clear soil jar			BP1Z	1L NaOH, Zn Acetate		
				BP1N	1L HNO3 plastic		
				BP1B	Na Thiosulfate Amber Bottle		

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

* Can also be a BP4N

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

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

Additional Comments

Pace Analytical®

Sample Condition Upon Receipt

WO# : 70214967

PM: KMM **Due Date: 05/24/22**

CLIENT: KGS

Client Name: KGS Project

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

Tracking #:

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

Temperature Blank Present: ☐ Yes ☒ No

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

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 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: 5/17/22 SH

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

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

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

				COMMENTS:
Chain of Custody Present:	☒ 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:	☐ Yes	☐ No		12.
-Includes date/time/ID/Matrix: SL WT OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☒ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				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)	☐ Yes	☐ No	☒ N/A	
Exceptions: VOA Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes	☐ No	☒ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☒ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☒ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☒ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

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

ENV-FRM-MELV-0024 01

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

May 19, 2022

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

RE: Project: BACT 5/17
Pace Project No.: 70214969

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on May 17, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: BACT 5/17
Pace Project No.: 70214969

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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

SAMPLE SUMMARY

Project: BACT 5/17
Pace Project No.: 70214969

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70214969001	**N-08480(SEAMAN NECK3WELL)-0**	Drinking Water	05/17/22 09:05	05/17/22 10:45
70214969002	**N-08480(SEAMAN NECK3WELL)-2**	Drinking Water	05/17/22 09:07	05/17/22 10:45
70214969003	**N-08480(SEAMAN NECK3WELL)-5**	Drinking Water	05/17/22 09:10	05/17/22 10:45
70214969004	**N-08480(SEAMAN NECK3WELL)-10**	Drinking Water	05/17/22 09:15	05/17/22 10:45
70214969005	**N-08480(SEAMAN NECK3WELL)-30**	Drinking Water	05/17/22 09:35	05/17/22 10:45
70214969006	**N-08480(SEAMAN NECK3WELL)-30-D**	Drinking Water	05/17/22 09:37	05/17/22 10:45

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

SAMPLE ANALYTE COUNT

Project: BACT 5/17
Pace Project No.: 70214969

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70214969001	**N-08480(SEAMAN NECK3WELL)-0**	SM22 9223B Colilert	SDO	2
70214969002	**N-08480(SEAMAN NECK3WELL)-2**	SM22 9223B Colilert	SDO	2
70214969003	**N-08480(SEAMAN NECK3WELL)-5**	SM22 9223B Colilert	SDO	2
70214969004	**N-08480(SEAMAN NECK3WELL)-10**	SM22 9223B Colilert	SDO	2
70214969005	**N-08480(SEAMAN NECK3WELL)-30**	SM22 9223B Colilert	SDO	2
70214969006	**N-08480(SEAMAN NECK3WELL)-30-D**	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214969

Sample: N-08480(SEAMAN NECK3WELL)-0 **Lab ID: 70214969001** Collected: 05/17/22 09:05 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214969

Sample: N-08480(SEAMAN NECK3WELL)-2 **Lab ID: 70214969002** Collected: 05/17/22 09:07 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214969

Sample: N-08480(SEAMAN NECK3WELL)-5 **Lab ID: 70214969003** Collected: 05/17/22 09:10 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214969

Sample: N-08480(SEAMAN NECK3WELL)-10 **Lab ID: 70214969004** Collected: 05/17/22 09:15 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214969

Sample: N-08480(SEAMAN NECK3WELL)-30 **Lab ID: 70214969005** Collected: 05/17/22 09:35 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT 5/17
Pace Project No.: 70214969

Sample: N-08480(SEAMAN NECK3WELL)-30-D **Lab ID: 70214969006** Collected: 05/17/22 09:37 Received: 05/17/22 10:45 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	05/17/22 18:25	05/18/22 12:25		
E.coli	**Absent**				1	05/17/22 18:25	05/18/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: BACT 5/17
Pace Project No.: 70214969

QC Batch: 257120
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: 70214969001, 70214969002, 70214969003, 70214969004, 70214969005, 70214969006

METHOD BLANK: 1298707 Matrix: Drinking Water
Associated Lab Samples: 70214969001, 70214969002, 70214969003, 70214969004, 70214969005, 70214969006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		05/18/22 12:25	
Total Coliforms		Absent		05/18/22 12:25	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: BACT 5/17
Pace Project No.: 70214969

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BACT 5/17
Pace Project No.: 70214969

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70214969001	**N-08480(SEAMAN NECK3WELL)-0**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385
70214969002	**N-08480(SEAMAN NECK3WELL)-2**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385
70214969003	**N-08480(SEAMAN NECK3WELL)-5**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385
70214969004	**N-08480(SEAMAN NECK3WELL)-10**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385
70214969005	**N-08480(SEAMAN NECK3WELL)-30**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385
70214969006	**N-08480(SEAMAN NECK3WELL)-30-D**	SM22 9223B Colilert	257120	SM22 9223B Colilert	257385

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Doc

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

WO# : 70214969

70214969

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	KOMAN Government Solutions, LLC	Report To:	Stephane Roy	Attention:	Accounts Payable
Address:	180 Gordon Dr., Suite 110	Copy To:	DOH	Company Name:	KOMAN Government Solutions, LL
	Exton, PA			Address:	accountspayable@komangs.com
Email To:	sroy@komangs.com	Purchase Order No.:		Pace Quote Reference:	00016758
Phone:	610-400-0622 Fax:	Project Name:	NYAW-MERRICK OPS FACILITY	Pace Project Manager:	Stuart Murrell
Requested Due Date/TAT:		Project Number:	02607-004	Pace Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER ☑ | DRINKING WATER

UST | RCRA | OTHER _____

Site Location STATE: NY

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	Analysis Test ↓ N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	N-08480 (Seaman Neck 3 Well)-0		DW	G			5.17.22	9:05		1	X									X		
2	N-08480 (Seaman Neck 3 Well)-2		DW	G			5.17.22	9:07		1	X									X		
3	N-08480 (Seaman Neck 3 Well)-5		DW	G			5.17.22	9:10		1	X									X		
4	N-08480 (Seaman Neck 3 Well)-10		DW	G			5.17.22	9:15		1	X									X		
5	N-08480 (Seaman Neck 3 Well)-30		DW	G			5.17.22	9:35		1	X									X		
6	N-08480 (Seaman Neck 3 Well)-30-D		DW	G			5.17.22	9:37		1	X									X		
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	5.17.22			5/17	10:45	0.6	W	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster — DATE Signed (MM/DD/YY): 5.17.2022

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

COC PAGE ___ of ___

Sample Container Count

WO# : 70214969

PM: KMM **Due Date: 05/24/22**

CLIENT: KGS

Client: KGS Profile #: 5456

Work ID: RUCT 5/17 Notes:

☐ Use Point Number Spreadsheet

☐ Add SCLOGFD to first sample for Field Cha

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

Container Codes

Glass				Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic	SP5T	120mL Coliform Na Thio
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	R	Terracore Kit
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
VG9S	40mL Sulfuric clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma	WP	Wipe
		AG1A	(NH4Cl)	BP3S	250mL Ammonium Acetate		
WG9O	8oz clear soil jar			BP3R	250mL NH4SO4-NH4OH		
WG4O	4oz clear soil jar			BP1Z	1L NaOH, Zn Acetate		
				BP1N	1L HNO3 plastic		
				BP1B	Na Thiosulfate Amber Bottle		

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

* Can also be a BP4N

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

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

Additional Comments

Pace Analytical®

Sample Condition Upon R

WO#: 70214969

PM: KMM **Due Date: 05/24/22**

CLIENT: KGS

Client Name: 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

Temperature Blank Present: ☐ Yes ☑ No

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

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 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: 5.17.22 NTB

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

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

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

				COMMENTS:
Chain of Custody Present:	☑ 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 L	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/Matrix: SL WT OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				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)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☑ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

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

ENV-FRM-MELV-0024 01

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

May 20, 2022

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

RE: Project: BACT SERIES 5/18
Pace Project No.: 70215152

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on May 18, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: BACT SERIES 5/18
Pace Project No.: 70215152

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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

SAMPLE SUMMARY

Project: BACT SERIES 5/18
Pace Project No.: 70215152

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70215152001	**GAC-3S/4S-VESSEL#500-0**	Drinking Water	05/18/22 09:20	05/18/22 11:35
70215152002	**GAC-3S/4S-VESSEL#500-2**	Drinking Water	05/18/22 09:22	05/18/22 11:35
70215152003	**GAC-3S/4S-VESSEL#500-5**	Drinking Water	05/18/22 09:25	05/18/22 11:35
70215152004	**GAC-3S/4S-VESSEL#500-10**	Drinking Water	05/18/22 09:30	05/18/22 11:35
70215152005	**GAC-3S/4S-VESSEL#500-30**	Drinking Water	05/18/22 09:50	05/18/22 11:35

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: BACT SERIES 5/18
Pace Project No.: 70215152

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70215152001	**GAC-3S/4S-VESSEL#500-0**	SM22 9223B Colilert	SDO	2
70215152002	**GAC-3S/4S-VESSEL#500-2**	SM22 9223B Colilert	SDO	2
70215152003	**GAC-3S/4S-VESSEL#500-5**	SM22 9223B Colilert	SDO	2
70215152004	**GAC-3S/4S-VESSEL#500-10**	SM22 9223B Colilert	SDO	2
70215152005	**GAC-3S/4S-VESSEL#500-30**	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215152

Sample: GAC-3S/4S-VESSEL#500-0 **Lab ID: 70215152001** Collected: 05/18/22 09:20 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215152

Sample: GAC-3S/4S-VESSEL#500-2 **Lab ID: 70215152002** Collected: 05/18/22 09:22 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215152

Sample: GAC-3S/4S-VESSEL#500-5 **Lab ID: 70215152003** Collected: 05/18/22 09:25 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215152

Sample: GAC-3S/4S-VESSEL#500-10 **Lab ID: 70215152004** Collected: 05/18/22 09:30 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215152

Sample: GAC-3S/4S-VESSEL#500-30 **Lab ID: 70215152005** Collected: 05/18/22 09:50 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: BACT SERIES 5/18
Pace Project No.: 70215152

QC Batch: 257437
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: 70215152001, 70215152002, 70215152003, 70215152004, 70215152005

METHOD BLANK: 1299863 Matrix: Drinking Water
Associated Lab Samples: 70215152001, 70215152002, 70215152003, 70215152004, 70215152005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		05/19/22 11:50	
Total Coliforms		Absent		05/19/22 11:50	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: BACT SERIES 5/18
Pace Project No.: 70215152

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BACT SERIES 5/18
Pace Project No.: 70215152

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70215152001	**GAC-3S/4S-VESSEL#500-0**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532
70215152002	**GAC-3S/4S-VESSEL#500-2**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532
70215152003	**GAC-3S/4S-VESSEL#500-5**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532
70215152004	**GAC-3S/4S-VESSEL#500-10**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532
70215152005	**GAC-3S/4S-VESSEL#500-30**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532

WO# : 70215152

70215152

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

Section C — Invoice Information:

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

Regulatory Agency

State / Location: NY

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: Coliert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#500-0	DW	G			5.18.22	9:20		1	X									X	
2	GAC-3S/4S-Vessel#500-2	DW	G			5.18.22	9:22		1	X									X	
3	GAC-3S/4S-Vessel#500-5	DW	G			5.18.22	9:25		1	X									X	
4	GAC-3S/4S-Vessel#500-10	DW	G			5.18.22	9:30		1	X									X	
5	GAC-3S/4S-Vessel#500-30	DW	G			5.18.22	9:50		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Randy Hoffmaster	5.18.22			5/18/22	11:35	0.9 W W Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster

DATE Signed: 5.18.2022

EMP in C

eceived on a (Y/N)

ustody aled ooler (Y/N)

amples act (Y/N)

COC PAGE ___ of ___

Sample Container Count

WO# : 70215152

PM: KMM **Due Date: 05/25/22**

CLIENT: KGS

Client: KGS Profile # 5456

Work ID: Bact 5118 Notes

☐ Use Point Number Spreadsheet

☐ Add SCLOGFD to first sample for Field Cha

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

Container Codes

Glass				Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic	SP5T	120mL Coliform Na Thio
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	R	Terracore Kit
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma	WP	Wipe
		AG1A	(NH4Cl)	BP3S	250mL Ammonium Acetate		
WG9O	8oz clear soil jar			BP3R	250mL NH4SO4-NH4OH		
WG4O	4oz clear soil jar			BP1Z	1L NaOH, Zn Acetate		
				BP1N	1L HNO3 plastic		
				BP1B	Na Thiosulfate Amber Bottle		

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

* Can also be a BP4N

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

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

Additional Comments

Pace Analytical®

Sample Condition Upon Receipt

Client Name: KOMAN

Project

WO#: 70215152

PM: KMM **Due Date: 05/25/22**

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

Temperature Blank Present: ☐ Yes ☒ No

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

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 Correction Factor: + 0.1

☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 0.9 Cooler Temperature Corrected(°C): 1.0

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: 5/18/22 SH

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

Did samples 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 L	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
-Pace Containers Used:	☒ Yes	☐ No		
Containers Intact:	☒ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☒ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☐ Yes	☐ No		12.
-Includes date/time/ID/Matrix: SL WT OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☒ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				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)	☐ Yes	☐ No	☒ N/A	
Exceptions: VOA Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes	☐ No	☒ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☒ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☒ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☒ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot # (if applicable):				

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

ENV-FRM-MELV-0024 01

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

May 20, 2022

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

RE: Project: BACT SERIES 5/18
Pace Project No.: 70215153

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on May 18, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: BACT SERIES 5/18
Pace Project No.: 70215153

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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

SAMPLE SUMMARY

Project: BACT SERIES 5/18
Pace Project No.: 70215153

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70215153001	**GAC-3S/4S-VESSEL#600-0**	Drinking Water	05/18/22 10:00	05/18/22 11:35
70215153002	**GAC-3S/4S-VESSEL#600-2**	Drinking Water	05/18/22 10:02	05/18/22 11:35
70215153003	**GAC-3S/4S-VESSEL#600-5**	Drinking Water	05/18/22 10:05	05/18/22 11:35
70215153004	**GAC-3S/4S-VESSEL#600-10**	Drinking Water	05/18/22 10:10	05/18/22 11:35
70215153005	**GAC-3S/4S-VESSEL#600-30**	Drinking Water	05/18/22 10:30	05/18/22 11:35

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: BACT SERIES 5/18
Pace Project No.: 70215153

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70215153001	**GAC-3S/4S-VESSEL#600-0**	SM22 9223B Colilert	SDO	2
70215153002	**GAC-3S/4S-VESSEL#600-2**	SM22 9223B Colilert	SDO	2
70215153003	**GAC-3S/4S-VESSEL#600-5**	SM22 9223B Colilert	SDO	2
70215153004	**GAC-3S/4S-VESSEL#600-10**	SM22 9223B Colilert	SDO	2
70215153005	**GAC-3S/4S-VESSEL#600-30**	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215153

Sample: GAC-3S/4S-VESSEL#600-0 **Lab ID: 70215153001** Collected: 05/18/22 10:00 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215153

Sample: GAC-3S/4S-VESSEL#600-2 **Lab ID: 70215153002** Collected: 05/18/22 10:02 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215153

Sample: GAC-3S/4S-VESSEL#600-5 **Lab ID: 70215153003** Collected: 05/18/22 10:05 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215153

Sample: GAC-3S/4S-VESSEL#600-10 **Lab ID: 70215153004** Collected: 05/18/22 10:10 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215153

Sample: GAC-3S/4S-VESSEL#600-30 **Lab ID: 70215153005** Collected: 05/18/22 10:30 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: BACT SERIES 5/18
Pace Project No.: 70215153

QC Batch: 257437
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: 70215153001, 70215153002, 70215153003, 70215153004, 70215153005

METHOD BLANK: 1299863 Matrix: Drinking Water
Associated Lab Samples: 70215153001, 70215153002, 70215153003, 70215153004, 70215153005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		05/19/22 11:50	
Total Coliforms		Absent		05/19/22 11:50	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: BACT SERIES 5/18
Pace Project No.: 70215153

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BACT SERIES 5/18
Pace Project No.: 70215153

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70215153001	**GAC-3S/4S-VESSEL#600-0**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532
70215153002	**GAC-3S/4S-VESSEL#600-2**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532
70215153003	**GAC-3S/4S-VESSEL#600-5**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532
70215153004	**GAC-3S/4S-VESSEL#600-10**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532
70215153005	**GAC-3S/4S-VESSEL#600-30**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532

WO# : 70215153

70215153

CHAIN-OF-CUSTODY / Analytical Req

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

Section A
Required Client Information:

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

Section B
Required Project Information:

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

Section C
Invoice Information:

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

Regulatory Agency

State / Location: NY

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique MATRIX: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS	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	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: Colilert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#500-0	DW	G			5.18.22	10:00		1	X									X	
2	GAC-3S/4S-Vessel#500-2	DW	G			5.18.22	10:02		1	X									X	
3	GAC-3S/4S-Vessel#500-5	DW	G			5.18.22	10:05		1	X									X	
4	GAC-3S/4S-Vessel#500-10	DW	G			5.18.22	10:10		1	X									X	
5	GAC-3S/4S-Vessel#500-30	DW	G			5.18.22	10:30		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Randy Hoffmaster	5.18.22			5/18/22	11:35	OA W N X

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster DATE Signed: 5.18.22

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

COC PAGE ___ of ___

Sample Container Count

WO#: 70215153

PM: KMM **Due Date: 05/25/22**

CLIENT: KGS

Client: KGS Profile #: 54556

Work ID: BYCT 5/18 Notes:

☐ Use Point Number Spreadsheet

☐ Add SCLOGFD to first sample for Field Charge.

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										
6																																																					
7																																																					
8																																																					
9																																																					
10																																																					
11																																																					
12																																																					

Container Codes

Glass				Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic	SP5T	120mL Coliform Na Thio
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	R	Terracore Kit
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
VG9S	40mL Sulfuric clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma	WP	Wipe
		AG1A	(NH4Cl)	BP35	250mL Ammonium Acetate		
WG9O	8oz clear soil jar			BP3R	250mL NH4SO4-NH4OH		
WG4O	4oz clear soil jar			BP1Z	1L NaOH, Zn Acetate		
				BP1N	1L HNO3 plastic		
				BP1B	Na Thiosulfate Amber Bottle		

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

* Can also be a BP4N

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

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

Additional Comments

Pace Analytical®

Client Name: KOMAN

WO#: 70215153

PM: KMM Due Date: 05/25/22

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

Temperature Blank Present: ☐ Yes ☑ No

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

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 180 Correction Factor: + 0.1

☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 0-9 Cooler Temperature Corrected(°C): 1.0

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: SHR 5/18/22

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)	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☐ Yes	☐ No		12.
-Includes date/time/ID/Matrix: SL (WT) OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				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)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☑ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

ENV-FRM-MELV-0024 01

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

May 20, 2022

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

RE: Project: BACT SERIES 5/18
Pace Project No.: 70215155

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on May 18, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: BACT SERIES 5/18
Pace Project No.: 70215155

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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

SAMPLE SUMMARY

Project: BACT SERIES 5/18
Pace Project No.: 70215155

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70215155001	**N-09338(SEAMAN NECK 4 WELL)-0**	Drinking Water	05/18/22 10:40	05/18/22 11:35
70215155002	**N-09338(SEAMAN NECK 4 WELL)-2**	Drinking Water	05/18/22 10:42	05/18/22 11:35
70215155003	**N-09338(SEAMAN NECK 4 WELL)-5**	Drinking Water	05/18/22 10:45	05/18/22 11:35
70215155004	**N-09338(SEAMAN NECK 4 WELL)-10**	Drinking Water	05/18/22 10:50	05/18/22 11:35
70215155005	**N-09338(SEAMAN NECK 4 WELL)-30**	Drinking Water	05/18/22 11:10	05/18/22 11:35
70215155007	**N-09338(SEAMANNECK 4 WELL)-30D**	Drinking Water	05/18/22 11:12	05/18/22 11:35

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

SAMPLE ANALYTE COUNT

Project: BACT SERIES 5/18
Pace Project No.: 70215155

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70215155001	**N-09338(SEAMAN NECK 4 WELL)-0**	SM22 9223B Colilert	SDO	2
70215155002	**N-09338(SEAMAN NECK 4 WELL)-2**	SM22 9223B Colilert	SDO	2
70215155003	**N-09338(SEAMAN NECK 4 WELL)-5**	SM22 9223B Colilert	SDO	2
70215155004	**N-09338(SEAMAN NECK 4 WELL)-10**	SM22 9223B Colilert	SDO	2
70215155005	**N-09338(SEAMAN NECK 4 WELL)-30**	SM22 9223B Colilert	SDO	2
70215155007	**N-09338(SEAMANNECK 4 WELL)-30D**	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215155

Sample: N-09338(SEAMAN NECK 4 WELL)-0 **Lab ID: 70215155001** Collected: 05/18/22 10:40 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215155

Sample: N-09338(SEAMAN NECK 4 WELL)-2 **Lab ID: 70215155002** Collected: 05/18/22 10:42 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215155

Sample: N-09338(SEAMAN NECK 4 WELL)-5 **Lab ID: 70215155003** Collected: 05/18/22 10:45 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215155

Sample: N-09338(SEAMAN NECK 4 WELL)-10 **Lab ID: 70215155004** Collected: 05/18/22 10:50 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215155

Sample: N-09338(SEAMAN NECK 4 WELL)-30 **Lab ID: 70215155005** Collected: 05/18/22 11:10 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/18
Pace Project No.: 70215155

Sample: N-09338(SEAMANNECK 4 WELL)-30D **Lab ID: 70215155007** Collected: 05/18/22 11:12 Received: 05/18/22 11:35 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	05/18/22 17:50	05/19/22 11:50		
E.coli	**Absent**				1	05/18/22 17:50	05/19/22 11:50		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: BACT SERIES 5/18
Pace Project No.: 70215155

QC Batch: 257437
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: 70215155001, 70215155002, 70215155003, 70215155004, 70215155005, 70215155007

METHOD BLANK: 1299863
Matrix: Drinking Water
Associated Lab Samples: 70215155001, 70215155002, 70215155003, 70215155004, 70215155005, 70215155007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		05/19/22 11:50	
Total Coliforms		Absent		05/19/22 11:50	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: BACT SERIES 5/18
Pace Project No.: 70215155

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BACT SERIES 5/18
Pace Project No.: 70215155

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70215155001	**N-09338(SEAMAN NECK 4 WELL)-0**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532
70215155002	**N-09338(SEAMAN NECK 4 WELL)-2**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532
70215155003	**N-09338(SEAMAN NECK 4 WELL)-5**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532
70215155004	**N-09338(SEAMAN NECK 4 WELL)-10**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532
70215155005	**N-09338(SEAMAN NECK 4 WELL)-30**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532
70215155007	**N-09338(SEAMANNECK 4 WELL)-30D**	SM22 9223B Colilert	257437	SM22 9223B Colilert	257532

WO#: 70215155

70215155

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

Client Information:	Required Project Information:	Section C Invoice Information:
KOMAN Government Solutions, LLC	Report To: Robert Gregory	Attention: Accounts Payable
180 Gordon Dr., Suite 110	Copy To: NCDOH	Company Name: KOMAN Government Solutions, LLC
Exton, PA		Address: accountspayable@komangs.com
RGregory@komangs.com	Purchase Order #: 02607-204	Pace Quote:
(610) 400-0636 Fax	Project Name: NYAW-MERRICK OPS FACILITY	Pace Project Manager: Kimberley.Mack@Pacelabs.com
Due Date:	Project #: 02607-204	Pace Profile #:

Regulatory Agency	State / Location
	NY

SAMPLE ID

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

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

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Analyses Test: Coliert (Fecal/Ecoli)	Residual Chlorine (Y/N)
N-09338 (Seaman Neck 4 Well)-0	DW	G		5-18-22		0940		1	X									X	
N-09338 (Seaman Neck 4 Well)-2	DW	G		5-18-22		1042		1	X									X	
N-09338 (Seaman Neck 4 Well)-5	DW	G		5-18-22		1045		1	X									X	
N-09338 (Seaman Neck 4 Well)-10	DW	G		5-18-22		1050		1	X									X	
N-09338 (Seaman Neck 4 Well)-30	DW	G		5-18-22		11:10		1	X									X	
N-09338 (Seaman Neck 4 Well)-30D	DW	G		5-18-22		11:12		1	X									X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Randy Hoffmaster	5-18-22			5/18/22	11:35	0.9 W N Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster DATE Signed: 5-18-2022

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

COC PAGE ___ of ___

Sample Container Count

WO# : 70215155

PM: KMM **Due Date: 05/25/22**

CLIENT: KGS

Client: KGS Profile #: 5456

Work ID: Bact 5/18 Notes:

☐ Use Point Number Spreadsheet

☐ Add SCLOGFD to first sample for Field Charg

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

Container Codes

Glass				Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic	SP5T	120mL Coliform Na Thio
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	R	Terracore Kit
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
VG9S	40mL Sulfuric clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma	WP	Wipe
		AG1A	(NH4Cl)	BP3S	250mL Ammonium Acetate		
WG9O	8oz clear soil jar			BP3R	250mL NH4SO4-NH4OH		
WG4O	4oz clear soil jar			BP1Z	1L NaOH, Zn Acetate		
				BP1N	1L HNO3 plastic		
				BP1B	Na Thiosulfate Amber Bottle		

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

* Can also be a BP4N

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

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

Additional Comments

Pace Analytical®

Sample Condition Upon Receipt

WO#: 70215155

PM: KMM Due Date: 05/25/22

CLIENT: KGS

Client Name: Koman Project

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

Tracking #:

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

Temperature Blank Present: ☐ Yes ☑ No

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

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 Correction Factor: + 0.1

☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 0.9 Cooler Temperature Corrected(°C): 1.0

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: 5/18/22 SH

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

Did samples 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
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	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

May 25, 2022

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

RE: Project: BACT SERIES 5/24
Pace Project No.: 70215759

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on May 24, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: BACT SERIES 5/24
Pace Project No.: 70215759

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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

SAMPLE SUMMARY

Project: BACT SERIES 5/24
Pace Project No.: 70215759

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70215759001	**GAC-3S/4S-VESSEL#300-0**	Drinking Water	05/24/22 07:10	05/24/22 09:20
70215759002	**GAC-3S/4S-VESSEL#300-2**	Drinking Water	05/24/22 07:12	05/24/22 09:20
70215759003	**GAC-3S/4S-VESSEL#300-5**	Drinking Water	05/24/22 07:15	05/24/22 09:20
70215759004	**GAC-3S/4S-VESSEL#300-10**	Drinking Water	05/24/22 07:20	05/24/22 09:20
70215759005	**GAC-3S/4S-VESSEL#300-30**	Drinking Water	05/24/22 07:40	05/24/22 09:20

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

SAMPLE ANALYTE COUNT

Project: BACT SERIES 5/24
Pace Project No.: 70215759

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70215759001	**GAC-3S/4S-VESSEL#300-0**	SM22 9223B Colilert	SDO	2
70215759002	**GAC-3S/4S-VESSEL#300-2**	SM22 9223B Colilert	SDO	2
70215759003	**GAC-3S/4S-VESSEL#300-5**	SM22 9223B Colilert	SDO	2
70215759004	**GAC-3S/4S-VESSEL#300-10**	SM22 9223B Colilert	SDO	2
70215759005	**GAC-3S/4S-VESSEL#300-30**	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/24
Pace Project No.: 70215759

Sample: GAC-3S/4S-VESSEL#300-0 **Lab ID: 70215759001** Collected: 05/24/22 07:10 Received: 05/24/22 09:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	05/24/22 18:25	05/25/22 12:25		
E.coli	**Absent**				1	05/24/22 18:25	05/25/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/24
Pace Project No.: 70215759

Sample: GAC-3S/4S-VESSEL#300-2 **Lab ID: 70215759002** Collected: 05/24/22 07:12 Received: 05/24/22 09:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	05/24/22 18:25	05/25/22 12:25		
E.coli	**Absent**				1	05/24/22 18:25	05/25/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/24
Pace Project No.: 70215759

Sample: GAC-3S/4S-VESSEL#300-5 **Lab ID: 70215759003** Collected: 05/24/22 07:15 Received: 05/24/22 09:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	05/24/22 18:25	05/25/22 12:25		
E.coli	**Absent**				1	05/24/22 18:25	05/25/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/24
Pace Project No.: 70215759

Sample: GAC-3S/4S-VESSEL#300-10 **Lab ID: 70215759004** Collected: 05/24/22 07:20 Received: 05/24/22 09:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	05/24/22 18:25	05/25/22 12:25		
E.coli	**Absent**				1	05/24/22 18:25	05/25/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/24
Pace Project No.: 70215759

Sample: GAC-3S/4S-VESSEL#300-30 **Lab ID: 70215759005** Collected: 05/24/22 07:40 Received: 05/24/22 09:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	05/24/22 18:25	05/25/22 12:25		
E.coli	**Absent**				1	05/24/22 18:25	05/25/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: BACT SERIES 5/24
Pace Project No.: 70215759

QC Batch: 258107
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: 70215759001, 70215759002, 70215759003, 70215759004, 70215759005

METHOD BLANK: 1303437 Matrix: Drinking Water
Associated Lab Samples: 70215759001, 70215759002, 70215759003, 70215759004, 70215759005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		05/25/22 12:25	
Total Coliforms		Absent		05/25/22 12:25	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: BACT SERIES 5/24
Pace Project No.: 70215759

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BACT SERIES 5/24
Pace Project No.: 70215759

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70215759001	**GAC-3S/4S-VESSEL#300-0**	SM22 9223B Colilert	258107	SM22 9223B Colilert	258188
70215759002	**GAC-3S/4S-VESSEL#300-2**	SM22 9223B Colilert	258107	SM22 9223B Colilert	258188
70215759003	**GAC-3S/4S-VESSEL#300-5**	SM22 9223B Colilert	258107	SM22 9223B Colilert	258188
70215759004	**GAC-3S/4S-VESSEL#300-10**	SM22 9223B Colilert	258107	SM22 9223B Colilert	258188
70215759005	**GAC-3S/4S-VESSEL#300-30**	SM22 9223B Colilert	258107	SM22 9223B Colilert	258188

WO# : 70215759

70215759

CHAIN-OF-CUSTODY / Analytical Request

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

Section A — Required Client Information:

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

Section B — Required Project Information:

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

Section C — Invoice Information:

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

Regulatory Agency: | State / Location: NY

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	Analyses Test: Colilert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#300-0	DW	G			5.24.22	7:10		1	X									X	
2	GAC-3S/4S-Vessel#300-2	DW	G			5.24.22	7:12		1	X									X	
3	GAC-3S/4S-Vessel#300-5	DW	G			5.24.22	7:15		1	X									X	
4	GAC-3S/4S-Vessel#300-10	DW	G			5.24.22	7:20		1	X									X	
5	GAC-3S/4S-Vessel#300-30	DW	G			5.24.22	7:40		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Randy Hoffmaster	5.24.22		Byrell Hyde	5/24/22	9:20 AM	1-2	Y	N	Y

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Randy Hoffmaster					
SIGNATURE of SAMPLER:	Randy Hoffmaster	DATE Signed: 5.24.2022				

COC PAGE ___ of ___

Sample Container Count

WO# : 70215759

PM: KMM **Due Date: 06/01/22**

CLIENT: KGS

Client: KGS Profile #: 5456 Use Point Number

Work ID: BACT SERIES 5/24 Notes: Add BCLOGFD to first

COC Sample Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG1U	AG3U	AG2U	AG1U	AG3H	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP3S	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC			
1																																										1													
2																																										1													
3																																										1													
4																																										1													
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10																																																							
11																																																							
12																																																							

Container Codes

Glass			
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass
VG9S	40mL Sulfuric clear vial	AG1U	1liter unpres amber glass
DG9T	40mL Na Thiosulfate vial	AG3H	Ammonium Cl 250mL bottle
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass
DG9P	40mL amber vial + TSP	AG4E	125mL EDA amber glass
DG9A	Ascorbic/Maleic Acid 40mL	AG1T	250mL Na Thio amber glass
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass
		AG1A	(NH4Cl)
WG9O	8oz clear soil jar		
WG4O	4oz clear soil jar		

Plastic	
BP4U	125mL unpreserved plastic
BP3U	250mL unpreserved plastic
BP2U	500mL unpreserved plastic
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
BP3S	250mL Ammonium Acetate
BP3R	250mL NH4SO4-NH4OH
BP1Z	1L NaOH, Zn Acetate
BP1N	1L HNO3 plastic
BP1B	Na Thiosulfate Amber Bottle

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 Hydroxide	
AG2U	500mL unpres amber glass	

* Can also be a BP4N

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

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

Additional Comments

Sample Condition Upon Receipt

Pace Analytical®

Client Name: Project

WO#: 70215759
PM: KMM **Due Date: 06/01/22**
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: THO91 188 Correction Factor: + 0.1

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

Temp should be above freezing to 6.0°C

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

Temperature Blank Present: ☐ Yes ☒ No

Type of Ice: (Wet) Blue None

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: SH 5/24/22

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)	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
-Pace Containers Used:	☒ Yes	☐ No		
Containers Intact:	☒ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☒ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☐ Yes	☐ No		12.
-Includes date/time/ID/Matrix: SL WT OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☒ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				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)	☐ Yes	☐ No	☒ N/A	
Exceptions: VOA Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☒ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☒ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☒ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☒ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot # (if applicable):				

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

ENV-FRM-MELV-0024 01

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

May 25, 2022

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

RE: Project: BACT SERIES 5/24
Pace Project No.: 70215758

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on May 24, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: BACT SERIES 5/24
Pace Project No.: 70215758

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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

SAMPLE SUMMARY

Project: BACT SERIES 5/24
Pace Project No.: 70215758

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70215758001	**GAC-3S/4S-VESSEL#400-0**	Drinking Water	05/24/22 07:50	05/24/22 09:20
70215758002	**GAC-3S/4S-VESSEL#400-2**	Drinking Water	05/24/22 07:52	05/24/22 09:20
70215758003	**GAC-3S/4S-VESSEL#400-5**	Drinking Water	05/24/22 07:55	05/24/22 09:20
70215758004	**GAC-3S/4S-VESSEL#400-10**	Drinking Water	05/24/22 08:00	05/24/22 09:20
70215758005	**GAC-3S/4S-VESSEL#400-30**	Drinking Water	05/24/22 08:20	05/24/22 09:20

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

SAMPLE ANALYTE COUNT

Project: BACT SERIES 5/24
Pace Project No.: 70215758

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70215758001	**GAC-3S/4S-VESSEL#400-0**	SM22 9223B Colilert	SDO	2
70215758002	**GAC-3S/4S-VESSEL#400-2**	SM22 9223B Colilert	SDO	2
70215758003	**GAC-3S/4S-VESSEL#400-5**	SM22 9223B Colilert	SDO	2
70215758004	**GAC-3S/4S-VESSEL#400-10**	SM22 9223B Colilert	SDO	2
70215758005	**GAC-3S/4S-VESSEL#400-30**	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/24
Pace Project No.: 70215758

Sample: GAC-3S/4S-VESSEL#400-0 **Lab ID: 70215758001** Collected: 05/24/22 07:50 Received: 05/24/22 09:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	05/24/22 18:25	05/25/22 12:25		
E.coli	**Absent**				1	05/24/22 18:25	05/25/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/24
Pace Project No.: 70215758

Sample: GAC-3S/4S-VESSEL#400-2 **Lab ID: 70215758002** Collected: 05/24/22 07:52 Received: 05/24/22 09:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	05/24/22 18:25	05/25/22 12:25		
E.coli	**Absent**				1	05/24/22 18:25	05/25/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/24
Pace Project No.: 70215758

Sample: GAC-3S/4S-VESSEL#400-5 **Lab ID: 70215758003** Collected: 05/24/22 07:55 Received: 05/24/22 09:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	05/24/22 18:25	05/25/22 12:25		
E.coli	**Absent**				1	05/24/22 18:25	05/25/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/24
Pace Project No.: 70215758

Sample: GAC-3S/4S-VESSEL#400-10 **Lab ID: 70215758004** Collected: 05/24/22 08:00 Received: 05/24/22 09:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	05/24/22 18:25	05/25/22 12:25		
E.coli	**Absent**				1	05/24/22 18:25	05/25/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: BACT SERIES 5/24
Pace Project No.: 70215758

Sample: GAC-3S/4S-VESSEL#400-30 **Lab ID: 70215758005** Collected: 05/24/22 08:20 Received: 05/24/22 09:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW	Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville								
Total Coliforms	**Absent**				1	05/24/22 18:25	05/25/22 12:25		
E.coli	**Absent**				1	05/24/22 18:25	05/25/22 12:25		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: BACT SERIES 5/24
Pace Project No.: 70215758

QC Batch: 258107
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: 70215758001, 70215758002, 70215758003, 70215758004, 70215758005

METHOD BLANK: 1303437 Matrix: Drinking Water
Associated Lab Samples: 70215758001, 70215758002, 70215758003, 70215758004, 70215758005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		05/25/22 12:25	
Total Coliforms		Absent		05/25/22 12:25	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: BACT SERIES 5/24
Pace Project No.: 70215758

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BACT SERIES 5/24
Pace Project No.: 70215758

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70215758001	**GAC-3S/4S-VESSEL#400-0**	SM22 9223B Colilert	258107	SM22 9223B Colilert	258188
70215758002	**GAC-3S/4S-VESSEL#400-2**	SM22 9223B Colilert	258107	SM22 9223B Colilert	258188
70215758003	**GAC-3S/4S-VESSEL#400-5**	SM22 9223B Colilert	258107	SM22 9223B Colilert	258188
70215758004	**GAC-3S/4S-VESSEL#400-10**	SM22 9223B Colilert	258107	SM22 9223B Colilert	258188
70215758005	**GAC-3S/4S-VESSEL#400-30**	SM22 9223B Colilert	258107	SM22 9223B Colilert	258188

WO# : 70215758

70215758

CHAIN-OF-CUSTODY / Analytical Request Do

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

Page : 1 Of 1

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

Regulatory Agency
State / Location
NY

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: Colilert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#400-0	DW	G			5/24/22	7:50		1	X									X	
2	GAC-3S/4S-Vessel#400-2	DW	G			5/24/22	7:52		1	X									X	
3	GAC-3S/4S-Vessel#400-5	DW	G			5/24/22	7:55		1	X									X	
4	GAC-3S/4S-Vessel#400-10	DW	G			5/24/22	8:00		1	X									X	
5	GAC-3S/4S-Vessel#400-30	DW	G			5/24/22	8:20		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Randy Hoffmaster	5/24/22		Dyeal Hyde	5/24/22	9:29	1.2	Y	N	Y

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Randy Hoffmaster					
SIGNATURE of SAMPLER:	Randy Hoffmaster	DATE Signed: 5/24/2022				

COC PAGE ___ of ___

Sample Container Count

WO# : 70215758

PM: KMM **Due Date: 06/01/22**

CLIENT: KGS

Client: KGS Profile #: 5456

Work ID: BACT SERIES 5/24 Notes:

☐ Use Point Number Spreadsheet

☐ Add SCLOGFD to first sample for

COC Line Item	Sample	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG3A	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP3S	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC
1																																										1										
2																																										1										
3																																										1										
4																																										1										
5																																										1										
6																																																				
7																																																				
8																																																				
9																																																				
10																																																				
11																																																				
12																																																				

Container Codes

Glass			
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass
VG9S	40mL Sulfuric clear vial	AG1U	1liter unpres amber glass
DG9T	40mL Na Thiosulfate vial	AG3A	Ammonium Cl 250mL bottle
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass
		AG1A	(NH4Cl)
WG9O	8oz clear soil jar		
WG4O	4oz clear soil jar		

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

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

* Can also be a BP4N

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

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

Additional Comments

Sample Condition Upon Receipt

Pace Analytical®

Client Name: Proj

WO#: 70215758

PM: KMM **Due Date: 06/01/22**

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: T188 188 Correction Factor: + 0.1

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

Temp should be above freezing to 6.0°C

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

Temperature Blank Present: ☐ Yes ☑ No

Type of Ice: (Wet) Blue None

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: SH 5/24/22

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 M	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/Matrix: SL WT OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				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)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☑ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

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

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