

December 13, 2022

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

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

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,



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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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SAMPLE SUMMARY

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

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

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SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

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

PACE-MV = Pace Analytical Services - Melville

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ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 12/5

Project No.: 70238716

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF) **Lab ID:** 70238716001 Collected: 12/05/22 10:10 Received: 12/05/22 14:13 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	1.9	ug/L	0.020		1	12/07/22 07:55	12/07/22 15:55	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	96	%	70-130		1	12/07/22 07:55	12/07/22 15:55		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		12/12/22 11:17	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		12/12/22 11:17	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		12/12/22 11:17	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		12/12/22 11:17	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		12/12/22 11:17	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		12/12/22 11:17	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		12/12/22 11:17	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		12/12/22 11:17	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		12/12/22 11:17	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5	1	12/12/22 11:17	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100	1	12/12/22 11:17	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		12/12/22 11:17	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		12/12/22 11:17	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		12/12/22 11:17	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		12/12/22 11:17	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		12/12/22 11:17	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		12/12/22 11:17	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		12/12/22 11:17	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		12/12/22 11:17	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		12/12/22 11:17	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		12/12/22 11:17	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		12/12/22 11:17	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		12/12/22 11:17	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		12/12/22 11:17	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		12/12/22 11:17	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		12/12/22 11:17	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		12/12/22 11:17	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		12/12/22 11:17	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		12/12/22 11:17	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		12/12/22 11:17	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		12/12/22 11:17	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		12/12/22 11:17	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		12/12/22 11:17	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		12/12/22 11:17	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		12/12/22 11:17	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		12/12/22 11:17	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		12/12/22 11:17	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		12/12/22 11:17	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Sample: **GAC-3S/4S (SEAMAN NECK GAC EFF)** Lab ID: **70238716001** Collected: 12/05/22 10:10 Received: 12/05/22 14:13 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50	5	1		12/12/22 11:17	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		12/12/22 11:17	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		12/12/22 11:17	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		12/12/22 11:17	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		12/12/22 11:17	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		12/12/22 11:17	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		12/12/22 11:17	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		12/12/22 11:17	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		12/12/22 11:17		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		12/12/22 11:17	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		12/12/22 11:17	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		12/12/22 11:17	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		12/12/22 11:17	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		12/12/22 11:17	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		12/12/22 11:17	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		12/12/22 11:17	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		12/12/22 11:17	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		12/12/22 11:17	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		12/12/22 11:17	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		12/12/22 11:17	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		12/12/22 11:17	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		12/12/22 11:17	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	94	%	70-130		1		12/12/22 11:17	2199-69-1	
4-Bromofluorobenzene (S)	87	%	70-130		1		12/12/22 11:17	460-00-4	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

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

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50	5	1		12/12/22 11:44	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		12/12/22 11:44	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		12/12/22 11:44	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		12/12/22 11:44	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		12/12/22 11:44	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		12/12/22 11:44	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		12/12/22 11:44	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		12/12/22 11:44	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		12/12/22 11:44	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		12/12/22 11:44	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		12/12/22 11:44	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		12/12/22 11:44	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		12/12/22 11:44	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		12/12/22 11:44	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		12/12/22 11:44	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		12/12/22 11:44	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		12/12/22 11:44	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		12/12/22 11:44	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		12/12/22 11:44	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		12/12/22 11:44	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		12/12/22 11:44	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		12/12/22 11:44	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		12/12/22 11:44	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		12/12/22 11:44	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		12/12/22 11:44	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		12/12/22 11:44	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		12/12/22 11:44	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		12/12/22 11:44	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		12/12/22 11:44	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		12/12/22 11:44	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		12/12/22 11:44	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		12/12/22 11:44	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		12/12/22 11:44	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		12/12/22 11:44	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		12/12/22 11:44	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		12/12/22 11:44	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		12/12/22 11:44	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		12/12/22 11:44	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50	5	1		12/12/22 11:44	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		12/12/22 11:44	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		12/12/22 11:44	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		12/12/22 11:44	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		12/12/22 11:44	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		12/12/22 11:44	79-34-5	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

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

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Tetrachloroethene	<0.50	ug/L	0.50	5	1		12/12/22 11:44	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		12/12/22 11:44	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		12/12/22 11:44		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		12/12/22 11:44	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		12/12/22 11:44	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		12/12/22 11:44	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		12/12/22 11:44	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		12/12/22 11:44	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		12/12/22 11:44	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		12/12/22 11:44	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		12/12/22 11:44	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		12/12/22 11:44	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		12/12/22 11:44	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		12/12/22 11:44	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		12/12/22 11:44	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		12/12/22 11:44	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		12/12/22 11:44	2199-69-1	
4-Bromofluorobenzene (S)	84	%	70-130		1		12/12/22 11:44	460-00-4	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Sample: WELL 3A N-14347 (INFLUENT) **Lab ID: 70238716003** Collected: 12/05/22 11:00 Received: 12/05/22 14:13 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	2.3	ug/L	0.020		1	12/07/22 07:55	12/07/22 16:29	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	97	%	70-130		1	12/07/22 07:55	12/07/22 16:29		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50	5	1		12/12/22 12:11	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		12/12/22 12:11	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		12/12/22 12:11	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		12/12/22 12:11	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		12/12/22 12:11	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		12/12/22 12:11	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		12/12/22 12:11	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		12/12/22 12:11	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		12/12/22 12:11	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		12/12/22 12:11	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		12/12/22 12:11	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		12/12/22 12:11	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		12/12/22 12:11	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		12/12/22 12:11	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		12/12/22 12:11	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		12/12/22 12:11	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		12/12/22 12:11	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		12/12/22 12:11	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		12/12/22 12:11	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		12/12/22 12:11	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		12/12/22 12:11	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		12/12/22 12:11	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		12/12/22 12:11	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		12/12/22 12:11	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		12/12/22 12:11	107-06-2	
1,1-Dichloroethene	0.61	ug/L	0.50	7	1		12/12/22 12:11	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		12/12/22 12:11	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		12/12/22 12:11	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		12/12/22 12:11	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		12/12/22 12:11	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		12/12/22 12:11	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		12/12/22 12:11	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		12/12/22 12:11	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		12/12/22 12:11	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		12/12/22 12:11	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		12/12/22 12:11	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		12/12/22 12:11	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		12/12/22 12:11	99-87-6	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Sample: WELL 3A N-14347 (INFLUENT) **Lab ID: 70238716003** Collected: 12/05/22 11:00 Received: 12/05/22 14:13 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50	5	1		12/12/22 12:11	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		12/12/22 12:11	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		12/12/22 12:11	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		12/12/22 12:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		12/12/22 12:11	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		12/12/22 12:11	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		12/12/22 12:11	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		12/12/22 12:11	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		12/12/22 12:11		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		12/12/22 12:11	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		12/12/22 12:11	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		12/12/22 12:11	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		12/12/22 12:11	79-00-5	
Trichloroethene	24.6	ug/L	0.50	5	1		12/12/22 12:11	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		12/12/22 12:11	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		12/12/22 12:11	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		12/12/22 12:11	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		12/12/22 12:11	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		12/12/22 12:11	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		12/12/22 12:11	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		12/12/22 12:11	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		12/12/22 12:11	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		12/12/22 12:11	2199-69-1	
4-Bromofluorobenzene (S)	85	%	70-130		1		12/12/22 12:11	460-00-4	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70238716004** Collected: 12/05/22 11:15 Received: 12/05/22 14:13 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	1.8	ug/L	0.020		1	12/07/22 07:55	12/07/22 16:46	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	95	%	70-130		1	12/07/22 07:55	12/07/22 16:46		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		12/12/22 12:37	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		12/12/22 12:37	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		12/12/22 12:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		12/12/22 12:37	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		12/12/22 12:37	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		12/12/22 12:37	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		12/12/22 12:37	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		12/12/22 12:37	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		12/12/22 12:37	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5		12/12/22 12:37	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100		12/12/22 12:37	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		12/12/22 12:37	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		12/12/22 12:37	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		12/12/22 12:37	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		12/12/22 12:37	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		12/12/22 12:37	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		12/12/22 12:37	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		12/12/22 12:37	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		12/12/22 12:37	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		12/12/22 12:37	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		12/12/22 12:37	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		12/12/22 12:37	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		12/12/22 12:37	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		12/12/22 12:37	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		12/12/22 12:37	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		12/12/22 12:37	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		12/12/22 12:37	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		12/12/22 12:37	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		12/12/22 12:37	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		12/12/22 12:37	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		12/12/22 12:37	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		12/12/22 12:37	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		12/12/22 12:37	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		12/12/22 12:37	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		12/12/22 12:37	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		12/12/22 12:37	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		12/12/22 12:37	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		12/12/22 12:37	99-87-6	

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ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70238716004** Collected: 12/05/22 11:15 Received: 12/05/22 14:13 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50	5	1		12/12/22 12:37	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		12/12/22 12:37	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		12/12/22 12:37	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		12/12/22 12:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		12/12/22 12:37	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		12/12/22 12:37	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		12/12/22 12:37	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		12/12/22 12:37	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		12/12/22 12:37		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		12/12/22 12:37	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		12/12/22 12:37	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		12/12/22 12:37	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		12/12/22 12:37	79-00-5	
Trichloroethene	3.9	ug/L	0.50	5	1		12/12/22 12:37	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		12/12/22 12:37	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		12/12/22 12:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		12/12/22 12:37	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		12/12/22 12:37	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		12/12/22 12:37	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		12/12/22 12:37	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		12/12/22 12:37	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		12/12/22 12:37	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	90	%	70-130		1		12/12/22 12:37	2199-69-1	
4-Bromofluorobenzene (S)	83	%	70-130		1		12/12/22 12:37	460-00-4	

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QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

QC Batch: 285597

Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2

Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70238716001, 70238716002, 70238716003, 70238716004

METHOD BLANK: 1443153

Matrix: Water

Associated Lab Samples: 70238716001, 70238716002, 70238716003, 70238716004

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

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

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QUALITY CONTROL DATA

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

METHOD BLANK: 1443153 Matrix: Water
Associated Lab Samples: 70238716001, 70238716002, 70238716003, 70238716004

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

LABORATORY CONTROL SAMPLE: 1443154

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

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

LABORATORY CONTROL SAMPLE: 1443154

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

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QUALITY CONTROL DATA

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

SAMPLE DUPLICATE: 1444065

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

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QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

SAMPLE DUPLICATE: 1444065

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

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QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

QC Batch:	284753	Analysis Method:	EPA 522
QC Batch Method:	EPA 522	Analysis Description:	522 MSS 1,4 Dioxane
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70238716001, 70238716003, 70238716004

METHOD BLANK: 1438602 Matrix: Drinking Water

Associated Lab Samples: 70238716001, 70238716003, 70238716004

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

LABORATORY CONTROL SAMPLE: 1438603

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

MATRIX SPIKE SAMPLE: 1438604

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

SAMPLE DUPLICATE: 1438885

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

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QUALIFIERS

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

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

REPORT OF LABORATORY ANALYSIS

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Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

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

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: T1148 Correction Factor: + 0.1

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

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

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

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

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

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

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

Client Notification/ Resolution: _____

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

December 07, 2022

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

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

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,



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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

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

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SAMPLE ANALYTE COUNT

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

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

PACE-MV = Pace Analytical Services - Melville

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ANALYTICAL RESULTS

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

Sample: N-14347 (SEAMAN NECK 3 WELL)-0 **Lab ID: 70238748001** Collected: 12/05/22 10:20 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

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ANALYTICAL RESULTS

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

Sample: N-14347 (SEAMAN NECK 3 WELL)-2 **Lab ID: 70238748002** Collected: 12/05/22 10:22 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

Sample: N-14347 (SEAMAN NECK 3 WELL)-5 **Lab ID: 70238748003** Collected: 12/05/22 10:25 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

Sample: N-14347 (SEAMAN NECK 3 WELL)10 **Lab ID: 70238748004** Collected: 12/05/22 10:30 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

Sample: N-14347 (SEAMAN NECK 3 WELL)30 **Lab ID: 70238748005** Collected: 12/05/22 10:50 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

Sample: N-14347 (SEAMAN NECK 3 WELL)-D **Lab ID: 70238748006** Collected: 12/05/22 10:50 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

QC Batch: 284865

Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert

Analysis Description: TotColDW MBIO Total Coliform

Laboratory: Pace Analytical Services - Melville

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

METHOD BLANK: 1439129

Matrix: Drinking Water

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

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

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

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

REPORT OF LABORATORY ANALYSIS

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COMAN

WO#: 70238748

PM: KMM

Due Date: 12/12/22

CLIENT: KGS

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

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

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: T1148 Correction Factor: + 0.1

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

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

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

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

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

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? Yes No

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

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

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

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

December 07, 2022

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

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

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,



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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238750

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238750

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

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SAMPLE ANALYTE COUNT

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238750

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

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238750

Sample: GAC-3S/4S-VESSEL#100-0 **Lab ID: 70238750001** Collected: 12/05/22 08:50 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238750

Sample: GAC-3S/4S-VESSEL#100-2 **Lab ID: 70238750002** Collected: 12/05/22 08:52 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

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ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238750

Sample: GAC-3S/4S-VESSEL#100-5 **Lab ID: 70238750003** Collected: 12/05/22 08:55 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

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ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238750

Sample: GAC-3S/4S-VESSEL#100-10 **Lab ID:** 70238750004 Collected: 12/05/22 09:00 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

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ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238750

Sample: GAC-3S/4S-VESSEL#100-30 **Lab ID:** 70238750005 Collected: 12/05/22 09:20 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238750

QC Batch: 284865

Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert

Analysis Description: TotColDW MBIO Total Coliform

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70238750001, 70238750002, 70238750003, 70238750004, 70238750005

METHOD BLANK: 1439129

Matrix: Drinking Water

Associated Lab Samples: 70238750001, 70238750002, 70238750003, 70238750004, 70238750005

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

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238750

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238750

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

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY

The Chain-of-Custody is to be maintained and documented accurately.

WO#: 70238750
70238750

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

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX	CODE	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analyses Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	
				START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other				Y/N
				DATE	TIME	DATE	TIME														
1	GAC-3S/4S-Vesse#100-0	DW	G	12/5/22	8:50	1	X										X				
2	GAC-3S/4S-Vesse#100-2	DW	G	12/5/22	8:52	1	X										X				
3	GAC-3S/4S-Vesse#100-5	DW	G	12/5/22	8:55	1	X										X				
4	GAC-3S/4S-Vesse#100-10	DW	G	12/5/22	9:00	1	X										X				
5	GAC-3S/4S-Vesse#100-30	DW	G	12/5/22	9:30	1	X										X				
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Randy Hoffmaster	12/5/22		per ALI (w)	3:5	12:32	Y N Y

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Randy Hoffmaster						
SIGNATURE of SAMPLER: <i>Randy Hoffmaster</i>						
DATE Signed: 12/5/22						

Client Name: COMAN

WO#: **70238750**

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

CLIENT: **KGS**

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

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

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: T1148 Correction Factor: + 0.1

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

Samples on Ice, cooling process has begun
Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

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

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

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

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

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

Client Notification/ Resolution: _____

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

* PM [Project Manager] review is documented electronically in LIMS.

December 07, 2022

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

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

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,



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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238749

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238749

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238749

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

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238749

Sample: GAC-3S/4S-VESSEL#200-0 **Lab ID: 70238749001** Collected: 12/05/22 09:30 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238749

Sample: GAC-3S/4S-VESSEL#200-2 Lab ID: 70238749002 Collected: 12/05/22 09:32 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238749

Sample: GAC-3S/4S-VESSEL#200-5 Lab ID: 70238749003 Collected: 12/05/22 09:35 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238749

Sample: GAC-3S/4S-VESSEL#200-10 **Lab ID: 70238749004** Collected: 12/05/22 09:40 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238749

Sample: GAC-3S/4S-VESSEL#200-30 **Lab ID:** 70238749005 Collected: 12/05/22 10:00 Received: 12/05/22 12:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/05/22 17:15	12/06/22 11:15		
E.coli	Absent				1	12/05/22 17:15	12/06/22 11:15		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

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

QC Batch:	284865	Analysis Method:	SM22 9223B Colilert
QC Batch Method:	SM22 9223B Colilert	Analysis Description:	TotColDW MBIO Total Coliform
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70238749001, 70238749002, 70238749003, 70238749004, 70238749005

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

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

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238749

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238749

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

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-
The Chain-of-Custody

WO#: 70238749

 Request Document
 Completed accurately.

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

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water Water Waste Water P Soil/Sediment Oil Vape Air Other Tissue	CODE DW WT WW P OL WP AR OT TS	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analyses Test Coliform (Fecal/Ecol)	Requested Analysis Filtered (Y/N)								Residual Chlorine (Y/N)				
				START	END			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other														
				DATE	TIME			DATE	TIME																				
1	GAC-3S/4S-Vessel#200-0	DW	G			12.5.22 9:30	1	X												X									
2	GAC-3S/4S-Vessel#200-2	DW	G			12.5.22 9:32	1	X												X									
3	GAC-3S/4S-Vessel#200-5	DW	G			12.5.22 9:35	1	X												X									
4	GAC-3S/4S-Vessel#200-10	DW	G			12.5.22 9:40	1	X												X									
5	GAC-3S/4S-Vessel#200-30	DW	G			12.5.22 10:00	1	X												X									
6																													
7																													
8																													
9																													
10																													
11																													
12																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Randy Hoffmaster</i>	12.5.22		<i>PACELABS</i>	12.5	12:30	✓ W ✓ Y

SAMPLER NAME AND SIGNATURE		EMP in C received on (Y/N) custody sealed cooler (Y/N) samples intact (Y/N)
PRINT Name of SAMPLER: Randy Hoffmaster		
SIGNATURE of SAMPLER: <i>Randy Hoffmaster</i>	DATE Signed: 12.5.22	

Courier: Fed Ex UPS USPS Client Commercial Face Other
 Tracking #: _____
 Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No N/A
 Packing Material: Bubble Wrap Bubble Bags Ziploc None Other
 Thermometer Used: **T1148** Correction Factor: **+ 0.1**
 Cooler Temperature(°C): **3.8** Cooler Temperature Corrected(°C): **3.9**
 Temp should be above freezing to 6.0°C
 USDA Regulated Soil (N/A, water sample)

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: **AD 12/5/22**

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? Yes No
 Did samples originate from a foreign source including Hawaii and Puerto Rico? Yes No
 If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

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

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

December 12, 2022

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

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

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,



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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

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

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Sample: WELL4 N-09338(INFLUENT) **Lab ID:** 70238982001 Collected: 12/07/22 08:55 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Sample: WELL4 N-09338(INFLUENT) **Lab ID: 70238982002** Collected: 12/07/22 08:57 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Sample: WELL4 N-09338(INFLUENT) **Lab ID:** 70238982003 Collected: 12/07/22 09:00 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Sample: WELL4 N-09338(INFLUENT) **Lab ID:** 70238982004 Collected: 12/07/22 09:05 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Sample: WELL4 N-09338(INFLUENT) **Lab ID:** 70238982005 Collected: 12/07/22 09:25 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

QC Batch:	285483	Analysis Method:	SM22 9223B Colilert
QC Batch Method:	SM22 9223B Colilert	Analysis Description:	TotColDW MBIO Total Coliform
		Laboratory:	Pace Analytical Services - Melville

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

METHOD BLANK: 1442508 Matrix: Drinking Water

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

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

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

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

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTO

The Chain-of-Custody is a LE

WO#: 70238982



70238982

Section A

Required Client Information:

Company: KOMAN Government Solutions, LLC
Address: 180 Gordon Dr., Suite 110
Exton, PA
Email: RGregory@komangs.com
Phone: (610) 400-0536 Fax:
Requested Due Date:

Section B

Required Project Information:

Report To: Robert Gregory
Copy To: NCDOH
Purchase Order #: 02607-005
Project Name: NYAW-MERRICK OPS FACILITY
Project #: 02607-204

Section C

Invoice Information:

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

Page: 1 Of 1

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)		COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives									Analyses Test Y/N	Residual Chlorine (Y/N)	
		MATRIX CODE	CODE	START	END	Unpreserved	H2SO4			HNO3	HCl	NaOH	Na2SO3	Methanol	Other						
1	Well 4 N-09338 (Influent) - 0	DW	G		12.7.22 8:55	1	X								X	X					001
2	Well 4 N-09338 - 2	DW	G		12.7.22 8:58	1	X								X	X					002
3	Well 4 N-09338 - 5	DW	G		12.7.22 9:00	1	X								X	X					003
4	Well 4 N-09338 - 10	DW	G		12.7.22 9:05	1	X								X	X					004
5	Well 4 N-09338 - 30	DW	G		12.7.22 9:25	1	X								X	X					005
6	Well 4 N-09338 - D	DW	G		12.7.22 9:27	1	X								X	X					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Randy Hoffmaster	12.7.22	9:27	Joyce P. LI	12/7/22	10:35	1.2 4 N Y

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Randy Hoffmaster					
SIGNATURE of SAMPLER:	Joyce P. LI					

KGS

Courier: Fed Ex UPS USPS Client Commercial Race Other

Tracking #: _____

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

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: T1148 Correction Factor: + 0.1

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

Temp should be above freezing to 6.0°C

USDA Regulated Soil [N/A, water sample]

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

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

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

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

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

Client Notification/ Resolution: _____

Field Data Required? _____

Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

December 12, 2022

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

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

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,



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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: NYAW MERRICK DIST BACT 12/7

Pace Project No.: 70238983

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

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

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

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

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

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW MERRICK DIST BACT 12/7

Pace Project No.: 70238983

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

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	------------	----	----------	----------	---------	------

MBIO Total Coliform DW Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert
Pace Analytical Services - Melville

Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

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

QC Batch: 285483	Analysis Method: SM22 9223B Colilert
QC Batch Method: SM22 9223B Colilert	Analysis Description: TotColDW MBIO Total Coliform
	Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70238983001

METHOD BLANK: 1442508 Matrix: Drinking Water
Associated Lab Samples: 70238983001

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

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: NYAW MERRICK DIST BACT 12/7

Pace Project No.: 70238983

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW MERRICK DIST BACT 12/7

Pace Project No.: 70238983

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

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed.

WO#: 70238983

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: KOMAN Government Solutions, LLC		Report To: Robert Gregory		Attention: Accounts Payable	
Address: 180 Gordon Dr., Suite 110 Exton, PA		Copy To: NCDOH		Company Name: KOMAN Government Solutions, LLC	
Email: RGregory@komanqs.com		Purchase Order #: 02607-005		Address: accountspayable@komanqs.com	
Phone: (610) 400-0636 Fax:		Project Name: NYAW-MERRICK OPS FACILITY		Pace Quote:	
Requested Due Date:		Project #: 02607-204		Pace Project Manager: Kimberley Mack@Pacelabs.com	
				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				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)					
				START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				Other				
				DATE	TIME	DATE	TIME																	
1	Well 4 N-09338 (Influent) - 0	DW	G		12.7.22	8:55		1	X															
2	Well 4 N-09338 - 2	DW	G		12.7.22	8:59		1	X															
3	Well 4 N-09338 - 5	DW	G		12.7.22	9:00		1	X															
4	Well 4 N-09338 - 10	DW	G		12.7.22	9:05		1	X															
5	Well 4 N-09338 - 30	DW	G		12.7.22	9:25		1	X															
6	Well 4 N-09338 - D	DW	G		12.7.22	9:37		1	X															001
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Randy Hoffmaster	12.7.22	9:27	Jay P-R	12/7/22	10:35	1.2 4 N Y

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Randy Hoffmaster						
SIGNATURE of SAMPLER:	DATE Signed: 12.7.2022					

KGS

WO#: 70238983

Due Date: 12/14/22

PM: KMM

CLIENT: KGS

Courier: Fed Ex UPS USPS Client Commercial Face 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: γ H148 Correction Factor: + 0.1

Samples on ice, cooling process has begun

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

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil [N/A, water sample]

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

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

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

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

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

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

December 12, 2022

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

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

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,



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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

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

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

Sample: GAC-3S/4S-VESSEL#500-0 **Lab ID: 70238985001** Collected: 12/07/22 09:30 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

Sample: GAC-3S/4S-VESSEL#500-2 Lab ID: 70238985002 Collected: 12/07/22 09:32 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

Sample: GAC-3S/4S-VESSEL#500-5 **Lab ID: 70238985003** Collected: 12/07/22 09:35 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

Sample: GAC-3S/4S-VESSEL#500-10 **Lab ID:** 70238985004 Collected: 12/07/22 09:40 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

Sample: GAC-3S/4S-VESSEL#500-30 **Lab ID:** 70238985005 Collected: 12/07/22 10:00 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

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

QC Batch: 285483	Analysis Method: SM22 9223B Colilert
QC Batch Method: SM22 9223B Colilert	Analysis Description: TotColDW MBIO Total Coliform
	Laboratory: Pace Analytical Services - Melville

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

METHOD BLANK: 1442508 Matrix: Drinking Water
Associated Lab Samples: 70238985001, 70238985002, 70238985003, 70238985004, 70238985005

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

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

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

REPORT OF LABORATORY ANALYSIS

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WO#: 70238985



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section C

Section C

Page: 1 Of 1

Company: Koman Government Solutions, LLC	Report To: Robert Gregory	Attention: Accounts Payable
Address: 180 Gordon Dr., Suite 110 Exton, PA	Copy To: NCDOH	Company Name: KOMAN Government Solutions, LLC
Email: RGregory@komang.com	Purchase Order #: 02607-204	Address: accounts@payable@komang.com
Phone: (610) 400-0636 Fax:	Project Name: NYAW-MERRICK OPS FACILITY	Quote:
Requested Due Date:	Project #: 02607-204	Project Manager: Kimberly.Mack@Pacelabs.com
		Quote Profile #:

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 Sol/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Analyses Test	Y/N	Residual Chlorine (Y/N)								
						START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other					Colliert (Fecal/Ecoli)							
						DATE	TIME	DATE	TIME																						
1	GAC-3S/4S-Vessel#500-0	DW	G		G			12-7-22	7:30		1	X																			
2	GAC-3S/4S-Vessel#500-2	DW	G		G			12-7-22	7:32		1	X																			
3	GAC-3S/4S-Vessel#500-5	DW	G		G			12-7-22	7:35		1	X																			
4	GAC-3S/4S-Vessel#500-10	DW	G		G			12-7-22	7:40		1	X																			
5	GAC-3S/4S-Vessel#500-30	DW	G		G			12-7-22	8:00		1	X																			
6																															
7																															
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Randy Hoffmaster	12-7-22	8:00	Steph R-LI	12/7/22	10:35	1-2 Y N Y

SAMPLER NAME AND SIGNATURE		TEMP in C	received on	c	r/N	usbody	valod	ooler	r/N	amples	act	r/N
PRINT Name of SAMPLER:												
SIGNATURE of SAMPLER: Randy Hoffmaster												
DATE Signed: 12-07-2022												

KGS

WO#: 70238985

PM: KMM

Due Date: 12/14/22

CLIENT: KGS

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #:

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

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: \mp H148 Correction Factor: + 0.1

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

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

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

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

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

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

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

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

December 12, 2022

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

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

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,



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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

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

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

Sample: GAC-3S/4S-VESSEL#600-0 **Lab ID: 70238986001** Collected: 12/07/22 08:15 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

Sample: GAC-3S/4S-VESSEL#600-2 **Lab ID: 70238986002** Collected: 12/07/22 08:17 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

Sample: GAC-3S/4S-VESSEL#600-5 **Lab ID: 70238986003** Collected: 12/07/22 08:20 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

Sample: GAC-3S/4S-VESSEL#600-10 **Lab ID:** 70238986004 Collected: 12/07/22 08:25 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

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ANALYTICAL RESULTS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

Sample: GAC-3S/4S-VESSEL#600-30 **Lab ID:** 70238986005 Collected: 12/07/22 08:45 Received: 12/07/22 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/07/22 17:35	12/08/22 11:35		
E.coli	Absent				1	12/07/22 17:35	12/08/22 11:35		

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QUALITY CONTROL DATA

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

QC Batch:	285483	Analysis Method:	SM22 9223B Colilert
QC Batch Method:	SM22 9223B Colilert	Analysis Description:	TotColDW MBIO Total Coliform
		Laboratory:	Pace Analytical Services - Melville

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

METHOD BLANK: 1442508 Matrix: Drinking Water
Associated Lab Samples: 70238986001, 70238986002, 70238986003, 70238986004, 70238986005

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

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

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QUALIFIERS

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

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

REPORT OF LABORATORY ANALYSIS

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WO#: 70238986



70238986

CHAIN-OF-CUSTODY / Analytical Request Document

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

Require

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

Page: 1 Of 1

Regulatory Agency

State / Location NY

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, -, .) Sample Ids must be unique	MATRIX Drinking Water Water Waste Water Product Sol/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Analyses Test Coliform (Fecal/Ecoli)	Requested Analysis Filtered (Y/N)								Residual Chlorine (Y/N)							
						START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other																		
						DATE	TIME	DATE	TIME																												
1	GAC-3S/4S-Vessel#600-0	DW	G		G																																
2	GAC-3S/4S-Vessel#600-2	DW	G		G	12.7.22	8:15			1	X								X																		
3	GAC-3S/4S-Vessel#600-5	DW	G		G	12.7.22	8:17			1	X								X																		
4	GAC-3S/4S-Vessel#600-10	DW	G		G	12.7.22	8:20			1	X								X																		
5	GAC-3S/4S-Vessel#600-30	DW	G		G	12.7.22	8:25			1	X								X																		
6						12.7.22	8:45			1	X								X																		
7																																					
8																																					
9																																					
10																																					
11																																					
12																																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Randy Hoffmaster</i>	12.7.22	8:45	<i>Sybil P. Hill</i>	12/4/22	10:35	1, 2, 4, N, 4

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Randy Hoffmaster
SIGNATURE of SAMPLER: *Randy Hoffmaster* DATE Signed: 12/7/2022

EMP In C received on 12/7/2022

istody	aloc	oler	mple	ict
(/N)	(/N)	(/N)	(/N)	(/N)

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #:

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

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: T1148 Correction Factor: + 0.1

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

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

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

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

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

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? Yes No

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

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

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

December 14, 2022

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

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

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 12, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,



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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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SAMPLE SUMMARY

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

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

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SAMPLE ANALYTE COUNT

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

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

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

Sample: GAC-3S/4S-VESSEL#300-0 **Lab ID: 70239531001** Collected: 12/12/22 06:25 Received: 12/12/22 09:06 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/12/22 17:30	12/13/22 11:30		
E.coli	Absent				1	12/12/22 17:30	12/13/22 11:30		

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ANALYTICAL RESULTS

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

Sample: GAC-3S/4S-VESSEL#300-2 Lab ID: 70239531002 Collected: 12/12/22 06:27 Received: 12/12/22 09:06 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/12/22 17:30	12/13/22 11:30		
E.coli	Absent				1	12/12/22 17:30	12/13/22 11:30		

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ANALYTICAL RESULTS

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

Sample: GAC-3S/4S-VESSEL#300-5 Lab ID: 70239531003 Collected: 12/12/22 06:30 Received: 12/12/22 09:06 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/12/22 17:30	12/13/22 11:30		
E.coli	Absent				1	12/12/22 17:30	12/13/22 11:30		

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ANALYTICAL RESULTS

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

Sample: GAC-3S/4S-VESSEL#300-10 **Lab ID:** 70239531004 Collected: 12/12/22 06:35 Received: 12/12/22 09:06 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/12/22 17:30	12/13/22 11:30		
E.coli	Absent				1	12/12/22 17:30	12/13/22 11:30		

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ANALYTICAL RESULTS

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

Sample: GAC-3S/4S-VESSEL#300-30 **Lab ID:** 70239531005 Collected: 12/12/22 06:55 Received: 12/12/22 09:06 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/12/22 17:30	12/13/22 11:30		
E.coli	Absent				1	12/12/22 17:30	12/13/22 11:30		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

QC Batch: 286039

Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert

Analysis Description: TotColDW MBIO Total Coliform

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70239531001, 70239531002, 70239531003, 70239531004, 70239531005

METHOD BLANK: 1445832

Matrix: Drinking Water

Associated Lab Samples: 70239531001, 70239531002, 70239531003, 70239531004, 70239531005

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

SAMPLE DUPLICATE: 1445833

Parameter	Units	70239661001 Result	Dup Result	RPD	Max RPD	Qualifiers
E.coli		Absent	Absent			
Total Coliforms		Absent	Absent			

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

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

REPORT OF LABORATORY ANALYSIS

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Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

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

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Type of Ice: Wet Blue None

Thermometer Used: TH148

Correction Factor: +0.1

Samples on ice, cooling process has begun

Cooler Temperature(°C): 0.6

Cooler Temperature Corrected(°C): 0.7

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

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

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

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

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

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for IC)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID, Matrix: SL WT OIL		
All containers needing preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with method recommendation?		
{HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide}	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DR0/8015 (water).		Initial when completed: Lot # of added preservative: Date/Time preservative added:
Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #		
Residual chlorine strips Lot #		
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15. Positive for Sulfide? Y N
Lead Acetate Strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

December 14, 2022

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

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

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on December 12, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,



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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BACT SERIES 12/12

Pace Project No.: 70239532

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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SAMPLE SUMMARY

Project: BACT SERIES 12/12

Pace Project No.: 70239532

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

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SAMPLE ANALYTE COUNT

Project: BACT SERIES 12/12

Pace Project No.: 70239532

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

PACE-MV = Pace Analytical Services - Melville

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ANALYTICAL RESULTS

Project: BACT SERIES 12/12

Pace Project No.: 70239532

Sample: GAC-3S/4S-VESSEL#400-0 **Lab ID: 70239532001** Collected: 12/12/22 07:15 Received: 12/12/22 09:16 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/12/22 17:30	12/13/22 11:30		
E.coli	Absent				1	12/12/22 17:30	12/13/22 11:30		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BACT SERIES 12/12

Pace Project No.: 70239532

Sample: GAC-3S/4S-VESSEL#400-2 Lab ID: 70239532002 Collected: 12/12/22 07:17 Received: 12/12/22 09:16 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/12/22 17:30	12/13/22 11:30		
E.coli	Absent				1	12/12/22 17:30	12/13/22 11:30		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BACT SERIES 12/12

Pace Project No.: 70239532

Sample: GAC-3S/4S-VESSEL#400-5 Lab ID: 70239532003 Collected: 12/12/22 07:20 Received: 12/12/22 09:16 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/12/22 17:30	12/13/22 11:30		
E.coli	Absent				1	12/12/22 17:30	12/13/22 11:30		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BACT SERIES 12/12

Pace Project No.: 70239532

Sample: GAC-3S/4S-VESSEL#400-10 **Lab ID:** 70239532004 Collected: 12/12/22 07:25 Received: 12/12/22 09:16 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/12/22 17:30	12/13/22 11:30		
E.coli	Absent				1	12/12/22 17:30	12/13/22 11:30		

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ANALYTICAL RESULTS

Project: BACT SERIES 12/12

Pace Project No.: 70239532

Sample: GAC-3S/4S-VESSEL#400-30 **Lab ID:** 70239532005 Collected: 12/12/22 07:45 Received: 12/12/22 09:16 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Pace Analytical Services - Melville									
Total Coliforms	Absent				1	12/12/22 17:30	12/13/22 11:30		
E.coli	Absent				1	12/12/22 17:30	12/13/22 11:30		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BACT SERIES 12/12

Pace Project No.: 70239532

QC Batch:	286039	Analysis Method:	SM22 9223B Colilert
QC Batch Method:	SM22 9223B Colilert	Analysis Description:	TotColDW MBIO Total Coliform
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70239532001, 70239532002, 70239532003, 70239532004, 70239532005

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

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

SAMPLE DUPLICATE: 1445833

Parameter	Units	70239661001 Result	Dup Result	RPD	Max RPD	Qualifiers
E.coli		Absent	Absent			
Total Coliforms		Absent	Absent			

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: BACT SERIES 12/12

Pace Project No.: 70239532

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BACT SERIES 12/12

Pace Project No.: 70239532

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

REPORT OF LABORATORY ANALYSIS

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WO#: 70239532



70239532

CHAIN-OF-CUSTODY / Analytical Request Doc

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

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: NCDCH		Company Name: KOMAN Government Solutions, LLC	
Exton, PA				Address: <u>accounts payable@komands.com</u>	
Email: <u>RGregory@komands.com</u>		Purchase Order #: 02607-204		Pace Quote:	
Phone: (610) 400-0635 Fax:		Project Name: NYAW-MERRICK OPS FACILITY		Pace Project Manager: <u>Kimberlev.Mack@Pacelabs.com</u>	
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 Drinking Water Water Waste Water Product Sol/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Requested Analysis Filtered (Y/N)													Residual Chlorine (Y/N)				
						START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other		Analyzes Test	Colliert (Fecal/Ecoli)																
1	GAC-3S/4S-Vessel#400-0	DW	G		G			12/12/22	7:15	1	X										X																	
2	GAC-3S/4S-Vessel#400-2	DW	G		G			12/12/22	7:17	1	X										X																	
3	GAC-3S/4S-Vessel#400-5	DW	G		G			12/12/22	7:20	1	X										X																	
4	GAC-3S/4S-Vessel#400-10	DW	G		G			12/12/22	7:25	1	X										X																	
5	GAC-3S/4S-Vessel#400-30	DW	G		G			12/12/22	7:45	1	X										X																	
6																																						
7																																						
8																																						
9																																						
10																																						
11																																						
12																																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<i>Randy Hoffmaster</i>	12.12.22		<i>Jim Peltz</i>	12.12	9:16	0-4	Y	N	Y

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Randy Hoffmaster
SIGNATURE of SAMPLER:	<i>Randy Hoffmaster</i>
DATE Signed:	12.12.22

TEMP in C	Received on
	co (Y/N)
	Custody
	Sealed
	Cooler (Y/N)
	Samples intact (Y/N)

KGS

WO#: 70239532

PM: KMM

Due Date: 12/19/22

CLIENT: KGS

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

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

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: T1148 Correction Factor: + 0.1

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

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil [N/A, water sample]

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

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

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

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

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

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution: