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

October 20, 2022

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

RE: Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on October 04, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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CERTIFICATIONS

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

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

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

SAMPLE SUMMARY

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70231862001	**GAC-3S/4S(SEAMAN NECK GAC E.)**	Drinking Water	10/04/22 09:40	10/04/22 11:00
70231862002	**GAC-3S/4S(SEAMAN NECKGAC E.)-D**	Drinking Water	10/04/22 09:45	10/04/22 11:00
70231862003	**WELL 3A N-14347(INFLUENT)**	Drinking Water	10/04/22 09:25	10/04/22 11:00
70231862004	**WELL 4 N-09338 (INFLUENT)**	Drinking Water	10/04/22 09:10	10/04/22 11:00

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SAMPLE ANALYTE COUNT

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70231862001	**GAC-3S/4S(SEAMAN NECK GAC E.)**	EPA 522	AI1	2
		EPA 524.2	KGG	62
70231862002	**GAC-3S/4S(SEAMAN NECKGAC E.)-D**	EPA 524.2	KGG	62
70231862003	**WELL 3A N-14347(INFLUENT)**	EPA 522	AI1	2
		EPA 524.2	KGG	62
70231862004	**WELL 4 N-09338 (INFLUENT)**	EPA 522	AI1	2
		EPA 524.2	KGG	62

PACE-MV = Pace Analytical Services - Melville

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

Sample: GAC-3S/4S(SEAMAN NECK GAC E.) **Lab ID: 70231862001** Collected: 10/04/22 09:40 Received: 10/04/22 11:00 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	10/17/22 15:13	10/19/22 15:53	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	92	%	70-130		1	10/17/22 15:13	10/19/22 15:53		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50	5	1		10/13/22 00:37	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50	80	1		10/13/22 00:37	75-27-4	
Bromoform	**<0.50**	ug/L	0.50	80	1		10/13/22 00:37	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50	5	1		10/13/22 00:37	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50	100	1		10/13/22 00:37	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	75-45-6	L1,N3
Chloroethane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	75-00-3	
Chloroform	**<0.50**	ug/L	0.50	80	1		10/13/22 00:37	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50	80	1		10/13/22 00:37	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50	600	1		10/13/22 00:37	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50	75	1		10/13/22 00:37	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	75-71-8	L2
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50	5	1		10/13/22 00:37	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50	7	1		10/13/22 00:37	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50	70	1		10/13/22 00:37	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50	100	1		10/13/22 00:37	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50	5	1		10/13/22 00:37	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50	700	1		10/13/22 00:37	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		10/13/22 00:37	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

Sample: GAC-3S/4S(SEAMAN NECK GAC E.) **Lab ID: 70231862001** Collected: 10/04/22 09:40 Received: 10/04/22 11:00 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		10/13/22 00:37	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		10/13/22 00:37	1634-04-4	L1
n-Propylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	103-65-1	
Styrene	**<0.50**	ug/L	0.50	100	1		10/13/22 00:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50	5	1		10/13/22 00:37	127-18-4	
Toluene	**<0.50**	ug/L	0.50	1000	1		10/13/22 00:37	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50	80	1		10/13/22 00:37		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50	70	1		10/13/22 00:37	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50	200	1		10/13/22 00:37	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50	5	1		10/13/22 00:37	79-00-5	
Trichloroethene	**<0.50**	ug/L	0.50	5	1		10/13/22 00:37	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		10/13/22 00:37	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50	2	1		10/13/22 00:37	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		10/13/22 00:37	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		10/13/22 00:37	2199-69-1	
4-Bromofluorobenzene (S)	102	%	70-130		1		10/13/22 00:37	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

Sample: GAC-3S/4S(SEAMAN NECKGAC E.)-D **Lab ID: 70231862002** Collected: 10/04/22 09:45 Received: 10/04/22 11:00 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		10/13/22 01:04	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50	80	1		10/13/22 01:04	75-27-4	
Bromoform	**<0.50**	ug/L	0.50	80	1		10/13/22 01:04	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50	5	1		10/13/22 01:04	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50	100	1		10/13/22 01:04	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	75-45-6	L1,N3
Chloroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	75-00-3	
Chloroform	**<0.50**	ug/L	0.50	80	1		10/13/22 01:04	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50	80	1		10/13/22 01:04	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50	600	1		10/13/22 01:04	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50	75	1		10/13/22 01:04	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	75-71-8	L2
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50	5	1		10/13/22 01:04	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50	7	1		10/13/22 01:04	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50	70	1		10/13/22 01:04	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50	100	1		10/13/22 01:04	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50	5	1		10/13/22 01:04	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50	700	1		10/13/22 01:04	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		10/13/22 01:04	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	99-87-6	
Methylene Chloride	**<0.50**	ug/L	0.50	5	1		10/13/22 01:04	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		10/13/22 01:04	1634-04-4	L1
n-Propylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	103-65-1	
Styrene	**<0.50**	ug/L	0.50	100	1		10/13/22 01:04	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

Sample: GAC-3S/4S(SEAMAN NECKGAC E.)-D **Lab ID: 70231862002** Collected: 10/04/22 09:45 Received: 10/04/22 11:00 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		10/13/22 01:04	127-18-4	
Toluene	**<0.50**	ug/L	0.50	1000	1		10/13/22 01:04	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50	80	1		10/13/22 01:04		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50	70	1		10/13/22 01:04	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50	200	1		10/13/22 01:04	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50	5	1		10/13/22 01:04	79-00-5	
Trichloroethene	**<0.50**	ug/L	0.50	5	1		10/13/22 01:04	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:04	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50	2	1		10/13/22 01:04	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		10/13/22 01:04	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	88	%	70-130		1		10/13/22 01:04	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		10/13/22 01:04	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

Sample: WELL 3A N-14347(INFLUENT) **Lab ID: 70231862003** Collected: 10/04/22 09:25 Received: 10/04/22 11:00 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)	**2.2**	ug/L	0.020		1	10/17/22 15:13	10/19/22 16:09	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	91	%	70-130		1	10/17/22 15:13	10/19/22 16:09		
524.2 MSV	Analytical Method: EPA 524.2								
	Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50	5	1		10/13/22 01:31	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50	80	1		10/13/22 01:31	75-27-4	
Bromoform	**<0.50**	ug/L	0.50	80	1		10/13/22 01:31	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50	5	1		10/13/22 01:31	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50	100	1		10/13/22 01:31	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	75-45-6	L1,N3
Chloroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	75-00-3	
Chloroform	**<0.50**	ug/L	0.50	80	1		10/13/22 01:31	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50	80	1		10/13/22 01:31	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50	600	1		10/13/22 01:31	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50	75	1		10/13/22 01:31	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	75-71-8	L2
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50	5	1		10/13/22 01:31	107-06-2	
1,1-Dichloroethene	**0.71**	ug/L	0.50	7	1		10/13/22 01:31	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50	70	1		10/13/22 01:31	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50	100	1		10/13/22 01:31	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50	5	1		10/13/22 01:31	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50	700	1		10/13/22 01:31	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		10/13/22 01:31	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	99-87-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

Sample: WELL 3A N-14347(INFLUENT) **Lab ID: 70231862003** Collected: 10/04/22 09:25 Received: 10/04/22 11:00 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		10/13/22 01:31	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		10/13/22 01:31	1634-04-4	L1
n-Propylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	103-65-1	
Styrene	**<0.50**	ug/L	0.50	100	1		10/13/22 01:31	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50	5	1		10/13/22 01:31	127-18-4	
Toluene	**<0.50**	ug/L	0.50	1000	1		10/13/22 01:31	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50	80	1		10/13/22 01:31		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50	70	1		10/13/22 01:31	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50	200	1		10/13/22 01:31	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50	5	1		10/13/22 01:31	79-00-5	
Trichloroethene	**26.3**	ug/L	0.50	5	1		10/13/22 01:31	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		10/13/22 01:31	96-18-4	
1,1,2-Trichlorotrifluoroethane	**1.2**	ug/L	0.50		1		10/13/22 01:31	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50	2	1		10/13/22 01:31	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		10/13/22 01:31	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	92	%	70-130		1		10/13/22 01:31	2199-69-1	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/13/22 01:31	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70231862004** Collected: 10/04/22 09:10 Received: 10/04/22 11:00 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	10/17/22 15:13	10/19/22 16:26	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	91	%	70-130		1	10/17/22 15:13	10/19/22 16:26		
524.2 MSV	Analytical Method: EPA 524.2 Pace Analytical Services - Melville								
Benzene	**<0.50**	ug/L	0.50	5	1		10/13/22 01:57	71-43-2	
Bromobenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	108-86-1	
Bromochloromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	0.50	80	1		10/13/22 01:57	75-27-4	
Bromoform	**<0.50**	ug/L	0.50	80	1		10/13/22 01:57	75-25-2	
Bromomethane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	104-51-8	
sec-Butylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	135-98-8	
tert-Butylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	0.50	5	1		10/13/22 01:57	56-23-5	
Chlorobenzene	**<0.50**	ug/L	0.50	100	1		10/13/22 01:57	108-90-7	
Chlorodifluoromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	75-45-6	L1,N3
Chloroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	75-00-3	
Chloroform	**<0.50**	ug/L	0.50	80	1		10/13/22 01:57	67-66-3	
Chloromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	95-49-8	
4-Chlorotoluene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	106-43-4	
Dibromochloromethane	**<0.50**	ug/L	0.50	80	1		10/13/22 01:57	124-48-1	
Dibromomethane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	0.50	600	1		10/13/22 01:57	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	0.50	75	1		10/13/22 01:57	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	75-71-8	L2
1,1-Dichloroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	75-34-3	
1,2-Dichloroethane	**<0.50**	ug/L	0.50	5	1		10/13/22 01:57	107-06-2	
1,1-Dichloroethene	**<0.50**	ug/L	0.50	7	1		10/13/22 01:57	75-35-4	
cis-1,2-Dichloroethene	**<0.50**	ug/L	0.50	70	1		10/13/22 01:57	156-59-2	
trans-1,2-Dichloroethene	**<0.50**	ug/L	0.50	100	1		10/13/22 01:57	156-60-5	
1,2-Dichloropropane	**<0.50**	ug/L	0.50	5	1		10/13/22 01:57	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	594-20-7	
1,1-Dichloropropene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	10061-02-6	
Ethylbenzene	**<0.50**	ug/L	0.50	700	1		10/13/22 01:57	100-41-4	
Hexachloro-1,3-butadiene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	87-68-3	
Isopropylbenzene (Cumene)	**<0.50**	ug/L	0.50		1		10/13/22 01:57	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	99-87-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70231862004** Collected: 10/04/22 09:10 Received: 10/04/22 11:00 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		10/13/22 01:57	75-09-2	
Methyl-tert-butyl ether	**<0.50**	ug/L	0.50		1		10/13/22 01:57	1634-04-4	L1
n-Propylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	103-65-1	
Styrene	**<0.50**	ug/L	0.50	100	1		10/13/22 01:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	0.50	5	1		10/13/22 01:57	127-18-4	
Toluene	**<0.50**	ug/L	0.50	1000	1		10/13/22 01:57	108-88-3	
Total Trihalomethanes (Calc.)	**<0.50**	ug/L	0.50	80	1		10/13/22 01:57		
1,2,3-Trichlorobenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	87-61-6	
1,2,4-Trichlorobenzene	**<0.50**	ug/L	0.50	70	1		10/13/22 01:57	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	0.50	200	1		10/13/22 01:57	71-55-6	
1,1,2-Trichloroethane	**<0.50**	ug/L	0.50	5	1		10/13/22 01:57	79-00-5	
Trichloroethene	**2.5**	ug/L	0.50	5	1		10/13/22 01:57	79-01-6	
Trichlorofluoromethane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.50**	ug/L	0.50		1		10/13/22 01:57	76-13-1	N3
1,2,4-Trimethylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	108-67-8	
Vinyl chloride	**<0.50**	ug/L	0.50	2	1		10/13/22 01:57	75-01-4	
m&p-Xylene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	179601-23-1	
o-Xylene	**<0.50**	ug/L	0.50		1		10/13/22 01:57	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	86	%	70-130		1		10/13/22 01:57	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		10/13/22 01:57	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

QC Batch: 277512
QC Batch Method: EPA 524.2
Analysis Method: EPA 524.2
Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70231862001, 70231862002, 70231862003, 70231862004

METHOD BLANK: 1402418 Matrix: Water
Associated Lab Samples: 70231862001, 70231862002, 70231862003, 70231862004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	10/12/22 17:21	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
1,1-Dichloroethene	ug/L	<0.50	0.50	10/12/22 17:21	
1,1-Dichloropropene	ug/L	<0.50	0.50	10/12/22 17:21	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	10/12/22 17:21	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
1,2-Dichloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
1,2-Dichloropropane	ug/L	<0.50	0.50	10/12/22 17:21	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
1,3-Dichloropropane	ug/L	<0.50	0.50	10/12/22 17:21	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
2,2-Dichloropropane	ug/L	<0.50	0.50	10/12/22 17:21	
2-Chlorotoluene	ug/L	<0.50	0.50	10/12/22 17:21	
4-Chlorotoluene	ug/L	<0.50	0.50	10/12/22 17:21	
Benzene	ug/L	<0.50	0.50	10/12/22 17:21	
Bromobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
Bromochloromethane	ug/L	<0.50	0.50	10/12/22 17:21	
Bromodichloromethane	ug/L	<0.50	0.50	10/12/22 17:21	
Bromoform	ug/L	<0.50	0.50	10/12/22 17:21	
Bromomethane	ug/L	<0.50	0.50	10/12/22 17:21	
Carbon tetrachloride	ug/L	<0.50	0.50	10/12/22 17:21	
Chlorobenzene	ug/L	<0.50	0.50	10/12/22 17:21	
Chlorodifluoromethane	ug/L	<0.50	0.50	10/12/22 17:21	N3
Chloroethane	ug/L	<0.50	0.50	10/12/22 17:21	
Chloroform	ug/L	<0.50	0.50	10/12/22 17:21	
Chloromethane	ug/L	<0.50	0.50	10/12/22 17:21	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	10/12/22 17:21	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	10/12/22 17:21	
Dibromochloromethane	ug/L	<0.50	0.50	10/12/22 17:21	
Dibromomethane	ug/L	<0.50	0.50	10/12/22 17:21	
Dichlorodifluoromethane	ug/L	<0.50	0.50	10/12/22 17:21	
Ethylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

METHOD BLANK: 1402418 Matrix: Water
Associated Lab Samples: 70231862001, 70231862002, 70231862003, 70231862004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	10/12/22 17:21	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	10/12/22 17:21	
m&p-Xylene	ug/L	<0.50	0.50	10/12/22 17:21	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	10/12/22 17:21	
Methylene Chloride	ug/L	<0.50	0.50	10/12/22 17:21	
n-Butylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	
n-Propylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	
o-Xylene	ug/L	<0.50	0.50	10/12/22 17:21	
p-Isopropyltoluene	ug/L	<0.50	0.50	10/12/22 17:21	
sec-Butylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	
Styrene	ug/L	<0.50	0.50	10/12/22 17:21	
tert-Butylbenzene	ug/L	<0.50	0.50	10/12/22 17:21	
Tetrachloroethene	ug/L	<0.50	0.50	10/12/22 17:21	
Toluene	ug/L	<0.50	0.50	10/12/22 17:21	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	10/12/22 17:21	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	10/12/22 17:21	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	10/12/22 17:21	
Trichloroethene	ug/L	<0.50	0.50	10/12/22 17:21	
Trichlorofluoromethane	ug/L	<0.50	0.50	10/12/22 17:21	
Vinyl chloride	ug/L	<0.50	0.50	10/12/22 17:21	
1,2-Dichlorobenzene-d4 (S)	%	89	70-130	10/12/22 17:21	
4-Bromofluorobenzene (S)	%	93	70-130	10/12/22 17:21	

LABORATORY CONTROL SAMPLE: 1402419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.5	95	70-130	
1,1,1-Trichloroethane	ug/L	10	8.8	88	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	11.2	112	70-130	
1,1,2-Trichloroethane	ug/L	10	10.4	104	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	11.8	118	70-130	IH,N3
1,1-Dichloroethane	ug/L	10	10.2	102	70-130	
1,1-Dichloroethene	ug/L	10	8.7	87	70-130	
1,1-Dichloropropene	ug/L	10	8.1	81	70-130	
1,2,3-Trichlorobenzene	ug/L	10	8.7	87	70-130	
1,2,3-Trichloropropane	ug/L	10	10.9	109	70-130	
1,2,4-Trichlorobenzene	ug/L	10	8.6	86	70-130	
1,2,4-Trimethylbenzene	ug/L	10	8.1	81	70-130	
1,2-Dichlorobenzene	ug/L	10	9.0	90	70-130	
1,2-Dichloroethane	ug/L	10	12.2	122	70-130	
1,2-Dichloropropane	ug/L	10	10.5	105	70-130	
1,3,5-Trimethylbenzene	ug/L	10	7.8	78	70-130	
1,3-Dichlorobenzene	ug/L	10	8.6	86	70-130	
1,3-Dichloropropane	ug/L	10	10.7	107	70-130	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

LABORATORY CONTROL SAMPLE: 1402419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	8.5	85	70-130	
2,2-Dichloropropane	ug/L	10	7.1	71	70-130	
2-Chlorotoluene	ug/L	10	8.9	89	70-130	
4-Chlorotoluene	ug/L	10	8.4	84	70-130	
Benzene	ug/L	10	9.8	98	70-130	
Bromobenzene	ug/L	10	8.9	89	70-130	
Bromochloromethane	ug/L	10	10.3	103	70-130	
Bromodichloromethane	ug/L	10	10.2	102	70-130	
Bromoform	ug/L	10	11.7	117	70-130	
Bromomethane	ug/L	10	10	100	70-130	
Carbon tetrachloride	ug/L	10	8.0	80	70-130	
Chlorobenzene	ug/L	10	9.1	91	70-130	
Chlorodifluoromethane	ug/L	10	14.4	144	70-130	IH,L1,N3
Chloroethane	ug/L	10	11.5	115	70-130	
Chloroform	ug/L	10	10.6	106	70-130	
Chloromethane	ug/L	10	9.8	98	70-130	
cis-1,2-Dichloroethene	ug/L	10	9.5	95	70-130	
cis-1,3-Dichloropropene	ug/L	10	10.1	101	70-130	
Dibromochloromethane	ug/L	10	10.3	103	70-130	
Dibromomethane	ug/L	10	10.6	106	70-130	
Dichlorodifluoromethane	ug/L	10	4.9	49	70-130	L2
Ethylbenzene	ug/L	10	8.1	81	70-130	
Hexachloro-1,3-butadiene	ug/L	10	7.7	77	70-130	
Isopropylbenzene (Cumene)	ug/L	10	7.5	75	70-130	
m&p-Xylene	ug/L	20	16.0	80	70-130	
Methyl-tert-butyl ether	ug/L	10	14.2	142	70-130	L1
Methylene Chloride	ug/L	10	10.8	108	70-130	
n-Butylbenzene	ug/L	10	8.6	86	70-130	
n-Propylbenzene	ug/L	10	7.9	79	70-130	
o-Xylene	ug/L	10	8.4	84	70-130	
p-Isopropyltoluene	ug/L	10	7.3	73	70-130	
sec-Butylbenzene	ug/L	10	7.4	74	70-130	
Styrene	ug/L	10	8.5	85	70-130	
tert-Butylbenzene	ug/L	10	8.4	84	70-130	
Tetrachloroethene	ug/L	10	7.3	73	70-130	
Toluene	ug/L	10	9.0	90	70-130	
Total Trihalomethanes (Calc.)	ug/L		42.8			
trans-1,2-Dichloroethene	ug/L	10	8.7	87	70-130	
trans-1,3-Dichloropropene	ug/L	10	11.1	111	70-130	
Trichloroethene	ug/L	10	8.7	87	70-130	
Trichlorofluoromethane	ug/L	10	8.1	81	70-130	
Vinyl chloride	ug/L	10	8.7	87	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

SAMPLE DUPLICATE: 1402910

Parameter	Units	70231870001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,1-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	<0.50		20	N3
1,1-Dichloroethane	ug/L	<0.50	<0.50		20	
1,1-Dichloroethene	ug/L	<0.50	<0.50		20	
1,1-Dichloropropene	ug/L	<0.50	<0.50		20	
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,3-Trichloropropane	ug/L	<0.50	<0.50		20	
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,4-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,2-Dichloroethane	ug/L	<0.50	<0.50		20	
1,2-Dichloropropane	ug/L	<0.50	<0.50		20	
1,3,5-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,3-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,3-Dichloropropane	ug/L	<0.50	<0.50		20	
1,4-Dichlorobenzene	ug/L	<0.50	<0.50		20	
2,2-Dichloropropane	ug/L	<0.50	<0.50		20	
2-Chlorotoluene	ug/L	<0.50	<0.50		20	
4-Chlorotoluene	ug/L	<0.50	<0.50		20	
Benzene	ug/L	<0.50	<0.50		20	
Bromobenzene	ug/L	<0.50	<0.50		20	
Bromochloromethane	ug/L	<0.50	<0.50		20	
Bromodichloromethane	ug/L	<0.50	<0.50		20	
Bromoform	ug/L	<0.50	<0.50		20	
Bromomethane	ug/L	<0.50	<0.50		20	
Carbon tetrachloride	ug/L	<0.50	<0.50		20	
Chlorobenzene	ug/L	<0.50	<0.50		20	
Chlorodifluoromethane	ug/L	0.76	<0.50		20	N3
Chloroethane	ug/L	<0.50	<0.50		20	
Chloroform	ug/L	0.55	0.65	17	20	
Chloromethane	ug/L	<0.50	<0.50		20	
cis-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
cis-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Dibromochloromethane	ug/L	<0.50	<0.50		20	
Dibromomethane	ug/L	<0.50	<0.50		20	
Dichlorodifluoromethane	ug/L	<0.50	<0.50		20	
Ethylbenzene	ug/L	<0.50	<0.50		20	
Hexachloro-1,3-butadiene	ug/L	<0.50	<0.50		20	
Isopropylbenzene (Cumene)	ug/L	<0.50	<0.50		20	
m&p-Xylene	ug/L	<0.50	<0.50		20	
Methyl-tert-butyl ether	ug/L	<0.50	<0.50		20	
Methylene Chloride	ug/L	<0.50	<0.50		20	
n-Butylbenzene	ug/L	<0.50	<0.50		20	
n-Propylbenzene	ug/L	<0.50	<0.50		20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

SAMPLE DUPLICATE: 1402910

Parameter	Units	70231870001 Result	Dup Result	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	<0.50	<0.50		20	
p-Isopropyltoluene	ug/L	<0.50	<0.50		20	
sec-Butylbenzene	ug/L	<0.50	<0.50		20	
Styrene	ug/L	<0.50	<0.50		20	
tert-Butylbenzene	ug/L	<0.50	<0.50		20	
Tetrachloroethene	ug/L	<0.50	<0.50		20	
Toluene	ug/L	<0.50	<0.50		20	
Total Trihalomethanes (Calc.)	ug/L	0.55	0.65	17	20	
trans-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
trans-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Trichloroethene	ug/L	<0.50	<0.50		20	
Trichlorofluoromethane	ug/L	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	86	91		20	
4-Bromofluorobenzene (S)	%	88	100		20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

QC Batch: 278105
QC Batch Method: EPA 522
Analysis Method: EPA 522
Analysis Description: 522 MSS 1,4 Dioxane
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70231862001, 70231862003, 70231862004

METHOD BLANK: 1405412 Matrix: Drinking Water
Associated Lab Samples: 70231862001, 70231862003, 70231862004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	10/19/22 12:30	
1,4-Dioxane-d8 (S)	%	94	70-130	10/19/22 12:30	

LABORATORY CONTROL SAMPLE: 1405413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	2	1.9	93	70-130	
1,4-Dioxane-d8 (S)	%			90	70-130	

MATRIX SPIKE SAMPLE: 1405414

Parameter	Units	70231844002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	2	1.9	93	70-130	
1,4-Dioxane-d8 (S)	%				94	70-130	

SAMPLE DUPLICATE: 1405415

Parameter	Units	70231846002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	<0.020		30	
1,4-Dioxane-d8 (S)	%	92	89		30	

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

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

IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW - MERRICK OPS 10/4
Pace Project No.: 70231862

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70231862001	**GAC-3S/4S(SEAMAN NECK GAC E.)**	EPA 522	278105	EPA 522	278296
70231862003	**WELL 3A N-14347(INFLUENT)**	EPA 522	278105	EPA 522	278296
70231862004	**WELL 4 N-09338 (INFLUENT)**	EPA 522	278105	EPA 522	278296
70231862001	**GAC-3S/4S(SEAMAN NECK GAC E.)**	EPA 524.2	277512		
70231862002	**GAC-3S/4S(SEAMAN NECKGAC E.)-D**	EPA 524.2	277512		
70231862003	**WELL 3A N-14347(INFLUENT)**	EPA 524.2	277512		
70231862004	**WELL 4 N-09338 (INFLUENT)**	EPA 524.2	277512		

WO# : 70231862

70231862

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

Section A — Required Client Information:

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

Required Project Information:

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

Section C — Invoice Information:

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

Regulatory Agency: —

State / Location: NY

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	POC (VOCs by 524.2)	1,4-dioxane (522)	Residual Chlorine (Y/N)
1	GAC-3S/4S (Seaman Neck GAC Effluent)	DW	G			10.4.22	9:40		4				X		X				X	X	
2	GAC-3S/4S (Seaman Neck GAC Effluent)-D	DW	G			10.4.22	9:45		2				X						X		
3	Well 3A N-14347 (Influent)	DW	G			10.4.22	9:25		4				X		X				X	X	
4	Well 4 N-09338 (Influent)	DW	G			10.4.22	9:10		4				X		X				X	X	
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Randy Hoffmaster	10.4.22			10/4/22	11:00	0.3	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster

DATE Signed: 10.4.2022

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

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

October 06, 2022

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

RE: Project: NYAW-MERRICK OPS BACT 10/3
Pace Project No.: 70231719

Dear Robert Gregory:

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

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: NYAW-MERRICK OPS BACT 10/3
Pace Project No.: 70231719

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

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

SAMPLE SUMMARY

Project: NYAW-MERRICK OPS BACT 10/3
Pace Project No.: 70231719

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70231719001	**N-09338 (SEAMAN NECK 4 WELL)-0**	Drinking Water	10/03/22 09:50	10/03/22 12:05
70231719002	**N-09338 (SEAMAN NECK 4 WELL)-2**	Drinking Water	10/03/22 09:52	10/03/22 12:05
70231719003	**N-09338 (SEAMAN NECK 4 WELL)-5**	Drinking Water	10/03/22 09:55	10/03/22 12:05
70231719004	**N-09338 (SEAMAN NECK4 WELL)-10**	Drinking Water	10/03/22 10:00	10/03/22 12:05
70231719005	**N-09338 (SEAMAN NECK4 WELL)-30**	Drinking Water	10/03/22 10:20	10/03/22 12:05
70231719006	**N-09338(SEAMAN NECK4 WELL)-30D**	Drinking Water	10/03/22 10:22	10/03/22 12:05

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

SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS BACT 10/3
Pace Project No.: 70231719

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70231719001	**N-09338 (SEAMAN NECK 4 WELL)-0**	SM22 9223B Colilert	SDO	2
70231719002	**N-09338 (SEAMAN NECK 4 WELL)-2**	SM22 9223B Colilert	SDO	2
70231719003	**N-09338 (SEAMAN NECK 4 WELL)-5**	SM22 9223B Colilert	SDO	2
70231719004	**N-09338 (SEAMAN NECK4 WELL)-10**	SM22 9223B Colilert	SDO	2
70231719005	**N-09338 (SEAMAN NECK4 WELL)-30**	SM22 9223B Colilert	SDO	2
70231719006	**N-09338(SEAMAN NECK4 WELL)-30D**	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/3
Pace Project No.: 70231719

Sample: N-09338 (SEAMAN NECK 4 WELL)-0 **Lab ID: 70231719001** Collected: 10/03/22 09:50 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/3
Pace Project No.: 70231719

Sample: N-09338 (SEAMAN NECK 4 WELL)-2 **Lab ID: 70231719002** Collected: 10/03/22 09:52 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/3
Pace Project No.: 70231719

Sample: N-09338 (SEAMAN NECK 4 WELL)-5 **Lab ID: 70231719003** Collected: 10/03/22 09:55 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/3
Pace Project No.: 70231719

Sample: N-09338 (SEAMAN NECK4 WELL)-10 **Lab ID: 70231719004** Collected: 10/03/22 10:00 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/3
Pace Project No.: 70231719

Sample: N-09338 (SEAMAN NECK4 WELL)-30 **Lab ID: 70231719005** Collected: 10/03/22 10:20 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/3
Pace Project No.: 70231719

Sample: N-09338(SEAMAN NECK4 WELL)-30D **Lab ID: 70231719006** Collected: 10/03/22 10:22 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS BACT 10/3
Pace Project No.: 70231719

QC Batch: 276410
QC Batch Method: SM22 9223B Colilert
Analysis Method: SM22 9223B Colilert
Analysis Description: TotColDW MBIO Total Coliform
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70231719001, 70231719002, 70231719003, 70231719004, 70231719005, 70231719006

METHOD BLANK: 1396927 Matrix: Drinking Water
Associated Lab Samples: 70231719001, 70231719002, 70231719003, 70231719004, 70231719005, 70231719006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		10/04/22 11:30	
Total Coliforms		Absent		10/04/22 11:30	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: NYAW-MERRICK OPS BACT 10/3
Pace Project No.: 70231719

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK OPS BACT 10/3
Pace Project No.: 70231719

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70231719001	**N-09338 (SEAMAN NECK 4 WELL)-0**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231719002	**N-09338 (SEAMAN NECK 4 WELL)-2**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231719003	**N-09338 (SEAMAN NECK 4 WELL)-5**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231719004	**N-09338 (SEAMAN NECK4 WELL)-10**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231719005	**N-09338 (SEAMAN NECK4 WELL)-30**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231719006	**N-09338(SEAMAN NECK4 WELL)-30D**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615

WO#: 70231719

70231719

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

Section A
Required Client Information:

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

Section B
Required Project Information:

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

Section C
Invoice Information:

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

Regulatory Agency

State / Location
NY

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Coliert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	N-09338 (Seaman Neck 4 Well)-0	DW	G			10.3.22	9:45		1	X									X	
2	N-09338 (Seaman Neck 4 Well)-2	DW	G			10.3.22	9:52		1	X									X	
3	N-09338 (Seaman Neck 4 Well)-5	DW	G			10.3.22	9:55		1	X									X	
4	N-09338 (Seaman Neck 4 Well)-10	DW	G			10.3.22	10:00		1	X									X	
5	N-09338 (Seaman Neck 4 Well)-30	DW	G			10.3.22	10:30		1	X									X	
6	N-09338 (Seaman Neck 4 Well)-30D	DW	G			10.3.22	10:22		1	X									X	
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Randy Hoffmaster	10.3.22			10/3/22	12:05	0.0 W N X

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster

DATE Signed: 10.5.2022

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

COC PAGE ___ of ___

Sample Container Count

WO# : 70231719

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

CLIENT: KGS

Client: KGS Profile # 5456 ☐ Use Point Number Sprea

WORK ORDER: NYAW-Merrick OPS Bact 1013 Notes

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

Container Codes

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

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

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

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

* Can also be a BP4N

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

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

Additional Comments

Pace Analytical®

Sample Condition Upon Receipt

WO# : 70231719

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

CLIENT: KGS

Client Name: KGS Project

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

Tracking #:

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

Temperature Blank Present: ☐ Yes ☑ No

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

Type of Ice: ☑ Wet ☐ Blue ☐ None

Thermometer Used: 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: 10/3/22 SH

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

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

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

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

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

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

October 06, 2022

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

RE: Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Dear Robert Gregory:

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

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

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

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

SAMPLE SUMMARY

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70231741001	**GAC-3S/4S-VESSEL#500-0**	Drinking Water	10/03/22 10:40	10/03/22 12:05
70231741002	**GAC-3S/4S-VESSEL#500-2**	Drinking Water	10/03/22 10:42	10/03/22 12:05
70231741003	**GAC-3S/4S-VESSEL#500-5**	Drinking Water	10/03/22 10:45	10/03/22 12:05
70231741004	**GAC-3S/4S-VESSEL#500-10**	Drinking Water	10/03/22 10:50	10/03/22 12:05
70231741005	**GAC-3S/4S-VESSEL#500-30**	Drinking Water	10/03/22 11:10	10/03/22 12:05
70231741006	**GAC-3S/4S-VESSEL#600-0**	Drinking Water	10/03/22 11:20	10/03/22 12:05
70231741007	**GAC-3S/4S-VESSEL#600-2**	Drinking Water	10/03/22 11:22	10/03/22 12:05
70231741008	**GAC-3S/4S-VESSEL#600-5**	Drinking Water	10/03/22 11:25	10/03/22 12:05
70231741009	**GAC-3S/4S-VESSEL#600-10**	Drinking Water	10/03/22 11:30	10/03/22 12:05
70231741010	**GAC-3S/4S-VESSEL#600-30**	Drinking Water	10/03/22 11:50	10/03/22 12:05

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

SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70231741001	**GAC-3S/4S-VESSEL#500-0**	SM22 9223B Colilert	SDO	2
70231741002	**GAC-3S/4S-VESSEL#500-2**	SM22 9223B Colilert	SDO	2
70231741003	**GAC-3S/4S-VESSEL#500-5**	SM22 9223B Colilert	SDO	2
70231741004	**GAC-3S/4S-VESSEL#500-10**	SM22 9223B Colilert	SDO	2
70231741005	**GAC-3S/4S-VESSEL#500-30**	SM22 9223B Colilert	SDO	2
70231741006	**GAC-3S/4S-VESSEL#600-0**	SM22 9223B Colilert	SDO	2
70231741007	**GAC-3S/4S-VESSEL#600-2**	SM22 9223B Colilert	SDO	2
70231741008	**GAC-3S/4S-VESSEL#600-5**	SM22 9223B Colilert	SDO	2
70231741009	**GAC-3S/4S-VESSEL#600-10**	SM22 9223B Colilert	SDO	2
70231741010	**GAC-3S/4S-VESSEL#600-30**	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Sample: GAC-3S/4S-VESSEL#500-0 **Lab ID: 70231741001** Collected: 10/03/22 10:40 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Sample: GAC-3S/4S-VESSEL#500-2 **Lab ID: 70231741002** Collected: 10/03/22 10:42 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Sample: GAC-3S/4S-VESSEL#500-5 **Lab ID: 70231741003** Collected: 10/03/22 10:45 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Sample: GAC-3S/4S-VESSEL#500-10 **Lab ID: 70231741004** Collected: 10/03/22 10:50 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Sample: GAC-3S/4S-VESSEL#500-30 **Lab ID: 70231741005** Collected: 10/03/22 11:10 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Sample: GAC-3S/4S-VESSEL#600-0 **Lab ID: 70231741006** Collected: 10/03/22 11:20 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Sample: GAC-3S/4S-VESSEL#600-2 **Lab ID: 70231741007** Collected: 10/03/22 11:22 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Sample: GAC-3S/4S-VESSEL#600-5 **Lab ID: 70231741008** Collected: 10/03/22 11:25 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Sample: GAC-3S/4S-VESSEL#600-10 **Lab ID: 70231741009** Collected: 10/03/22 11:30 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Sample: GAC-3S/4S-VESSEL#600-30 **Lab ID: 70231741010** Collected: 10/03/22 11:50 Received: 10/03/22 12:05 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	10/03/22 17:30	10/04/22 11:30		
E.coli	**Absent**				1	10/03/22 17:30	10/04/22 11:30		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

QC Batch: 276410
QC Batch Method: SM22 9223B Colilert
Analysis Method: SM22 9223B Colilert
Analysis Description: TotColDW MBIO Total Coliform
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70231741001, 70231741002, 70231741003, 70231741004, 70231741005, 70231741006, 70231741007, 70231741008, 70231741009, 70231741010

METHOD BLANK: 1396927
Matrix: Drinking Water
Associated Lab Samples: 70231741001, 70231741002, 70231741003, 70231741004, 70231741005, 70231741006, 70231741007, 70231741008, 70231741009, 70231741010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		10/04/22 11:30	
Total Coliforms		Absent		10/04/22 11:30	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK OPS 10/3
Pace Project No.: 70231741

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70231741001	**GAC-3S/4S-VESSEL#500-0**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741002	**GAC-3S/4S-VESSEL#500-2**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741003	**GAC-3S/4S-VESSEL#500-5**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741004	**GAC-3S/4S-VESSEL#500-10**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741005	**GAC-3S/4S-VESSEL#500-30**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741006	**GAC-3S/4S-VESSEL#600-0**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741007	**GAC-3S/4S-VESSEL#600-2**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741008	**GAC-3S/4S-VESSEL#600-5**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741009	**GAC-3S/4S-VESSEL#600-10**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615
70231741010	**GAC-3S/4S-VESSEL#600-30**	SM22 9223B Colilert	276410	SM22 9223B Colilert	276615

WO# : 70231741

70231741

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

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

Regulatory Agency

State / Location: NY

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: Colilert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#500-0	DW	G			10.3.22	10:40		1	X									X	
2	GAC-3S/4S-Vessel#500-2	DW	G			10.3.22	10:42		1	X									X	
3	GAC-3S/4S-Vessel#500-5	DW	G			10.3.22	10:45		1	X									X	
4	GAC-3S/4S-Vessel#500-10	DW	G			10.3.22	10:50		1	X									X	
5	GAC-3S/4S-Vessel#500-30	DW	G			10.3.22	11:10		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Randy Hoffmaster	10.3.22			10/3/22	12:05	0.6 W N X

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster

DATE Signed: 10.3.22

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A — Required Client Information:

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

Section B — Required Project Information:

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

Section C — Invoice Information:

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

Regulatory Agency

State / Location: NY

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N: Colilert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#600-0	DW	G			10.3.22	11:20		1	X								X	
2	GAC-3S/4S-Vessel#600-2	DW	G			10.3.22	11:22		1	X								X	
3	GAC-3S/4S-Vessel#600-5	DW	G			10.3.22	11:25		1	X								X	
4	GAC-3S/4S-Vessel#600-10	DW	G			10.3.22	11:30		1	X								X	
5	GAC-3S/4S-Vessel#600-30	DW	G			10.3.22	11:50		1	X								X	
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	R Hoffmaster				10/3/22	12:05	0.6 W N Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster

DATE Signed: 10.3.2022

EMP ln C | acelved on ...Y/N) | istody aled oler (N) | mples ict (N)

COC PAGE ___ of ___

Sample Contalner Count

WO#: 70231741

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

CLIENT: KGS

Client: KGS Profile # 5456 ☐ Use Point Number Spreadshee

WORK ORDER: NYAw-Merrick OPS 10/3 Notes

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

Container Codes

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

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

* Can also be a BP4N

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

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

Additional Comments

Pace Analytical®

Sample Condition Upon Receipt

WO# : 70231741

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

CLIENT: KGS

Client Name: KGS Projec

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

Tracking #:

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

Temperature Blank Present: ☐ Yes ☑ No

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: 10/3/22 SH

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

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

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

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

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

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

October 18, 2022

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

RE: Project: NYAW-MERRICK OPS 10/11
Pace Project No.: 70232905

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: NYAW-MERRICK OPS 10/11
Pace Project No.: 70232905

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

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

SAMPLE SUMMARY

Project: NYAW-MERRICK OPS 10/11
Pace Project No.: 70232905

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70232905001	**GAC-3S/4S- VESSEL #300-0**	Drinking Water	10/11/22 08:40	10/11/22 11:38
70232905002	**GAC-3S/4S- VESSEL #300-2**	Drinking Water	10/11/22 08:42	10/11/22 11:38
70232905003	**GAC-3S/4S- VESSEL #300-5**	Drinking Water	10/11/22 08:45	10/11/22 11:38
70232905004	**GAC-3S/4S- VESSEL #300-10**	Drinking Water	10/11/22 08:50	10/11/22 11:38
70232905005	**GAC-3S/4S- VESSEL #300-30**	Drinking Water	10/11/22 09:10	10/11/22 11:38

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS 10/11
Pace Project No.: 70232905

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70232905001	**GAC-3S/4S- VESSEL #300-0**	SM22 9223B Colilert	SDO	2
70232905002	**GAC-3S/4S- VESSEL #300-2**	SM22 9223B Colilert	SDO	2
70232905003	**GAC-3S/4S- VESSEL #300-5**	SM22 9223B Colilert	SDO	2
70232905004	**GAC-3S/4S- VESSEL #300-10**	SM22 9223B Colilert	SDO	2
70232905005	**GAC-3S/4S- VESSEL #300-30**	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/11
Pace Project No.: 70232905

Sample: GAC-3S/4S- VESSEL #300-0 **Lab ID: 70232905001** Collected: 10/11/22 08:40 Received: 10/11/22 11:38 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	10/11/22 17:55	10/12/22 11:55		
E.coli	**Absent**				1	10/11/22 17:55	10/12/22 11:55		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/11
Pace Project No.: 70232905

Sample: GAC-3S/4S- VESSEL #300-2 **Lab ID: 70232905002** Collected: 10/11/22 08:42 Received: 10/11/22 11:38 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	10/11/22 17:55	10/12/22 11:55		
E.coli	**Absent**				1	10/11/22 17:55	10/12/22 11:55		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/11
Pace Project No.: 70232905

Sample: GAC-3S/4S- VESSEL #300-5 **Lab ID: 70232905003** Collected: 10/11/22 08:45 Received: 10/11/22 11:38 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	10/11/22 17:55	10/12/22 11:55		
E.coli	**Absent**				1	10/11/22 17:55	10/12/22 11:55		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/11
Pace Project No.: 70232905

Sample: GAC-3S/4S- VESSEL #300-10 **Lab ID: 70232905004** Collected: 10/11/22 08:50 Received: 10/11/22 11:38 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	10/11/22 17:55	10/12/22 11:55		
E.coli	**Absent**				1	10/11/22 17:55	10/12/22 11:55		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS 10/11
Pace Project No.: 70232905

Sample: GAC-3S/4S- VESSEL #300-30 **Lab ID: 70232905005** Collected: 10/11/22 09:10 Received: 10/11/22 11:38 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	10/11/22 17:55	10/12/22 11:55		
E.coli	**Absent**				1	10/11/22 17:55	10/12/22 11:55		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS 10/11
Pace Project No.: 70232905

QC Batch: 277478
QC Batch Method: SM22 9223B Colilert
Analysis Method: SM22 9223B Colilert
Analysis Description: TotColDW MBIO Total Coliform
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70232905001, 70232905002, 70232905003, 70232905004, 70232905005

METHOD BLANK: 1402196 Matrix: Drinking Water
Associated Lab Samples: 70232905001, 70232905002, 70232905003, 70232905004, 70232905005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		10/12/22 11:55	
Total Coliforms		Absent		10/12/22 11:55	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: NYAW-MERRICK OPS 10/11
Pace Project No.: 70232905

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK OPS 10/11
Pace Project No.: 70232905

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70232905001	**GAC-3S/4S- VESSEL #300-0**	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232905002	**GAC-3S/4S- VESSEL #300-2**	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232905003	**GAC-3S/4S- VESSEL #300-5**	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232905004	**GAC-3S/4S- VESSEL #300-10**	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232905005	**GAC-3S/4S- VESSEL #300-30**	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058

WO# : 70232905

70232905

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Reques

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

Section A — Required Client Information:

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

Section B — Required Project Information:

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

Section C — Invoice Information:

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

Regulatory Agency

State / Location: NY

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: Colifort (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#300-0	DW	G			10.11.22	8:40		1	X									X	
2	GAC-3S/4S-Vessel#300-2	DW	G			10.11.22	8:42		1	X									X	
3	GAC-3S/4S-Vessel#300-5	DW	G			10.11.22	8:45		1	X									X	
4	GAC-3S/4S-Vessel#300-10	DW	G			10.11.22	8:50		1	X									X	
5	GAC-3S/4S-Vessel#300-30	DW	G			10.11.22	9:10		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Randy Hoffmaster	10.11.22		CAV PC LT	10/11/22	11:38	1.2	W	N/A	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER: Randy Hoffmaster

DATE Signed: 10-11-22

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

COC PAGE ___ of ___

Sample Container Count

WO# : 70232905

PM: KMM **Due Date: 10/18/22**

CLIENT: KGS

Client: KGS Profile # 5456 ☐ Use Point Number Spreadsheet

WORK ORDER: NVAW - Merrick OPS 10/11 Notes

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

Container Codes

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

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

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

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

* Can also be a BP4N

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

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

Additional Comments

Pace Analytical®

Sample Condition Upon Receip

WO# : 70232905

PM: KMM **Due Date: 10/18/22**

CLIENT: KGS

Client Name: KGS Project #

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

Tracking #:

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

Temperature Blank Present: ☐ Yes ☐ No

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

Type of Ice: (Wet) Blue None

Thermometer Used: T#148 Correction Factor: + 0.1

☐ Samples on ice, cooling process has begun

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

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample) Date and Initials of person examining contents:

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

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

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

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

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

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

October 18, 2022

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

RE: Project: NYAW-MERRICK OPS BACT 10/11
Pace Project No.: 70232909

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Kimberley Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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

CERTIFICATIONS

Project: NYAW-MERRICK OPS BACT 10/11
Pace Project No.: 70232909

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

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

SAMPLE SUMMARY

Project: NYAW-MERRICK OPS BACT 10/11
Pace Project No.: 70232909

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70232909001	**GAC-3S/4S-VESSEL#400-0**	Drinking Water	10/11/22 09:20	10/11/22 11:38
70232909002	**GAC-3S/4S-VESSEL#400-2**	Drinking Water	10/11/22 09:22	10/11/22 11:38
70232909003	**GAC-3S/4S-VESSEL#400-5**	Drinking Water	10/11/22 09:25	10/11/22 11:38
70232909004	**GAC-3S/4S-VESSEL#400-10**	Drinking Water	10/11/22 09:30	10/11/22 11:38
70232909005	**GAC-3S/4S-VESSEL#400-30**	Drinking Water	10/11/22 09:50	10/11/22 11:38

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK OPS BACT 10/11
Pace Project No.: 70232909

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70232909001	**GAC-3S/4S-VESSEL#400-0**	SM22 9223B Colilert	SDO	2
70232909002	**GAC-3S/4S-VESSEL#400-2**	SM22 9223B Colilert	SDO	2
70232909003	**GAC-3S/4S-VESSEL#400-5**	SM22 9223B Colilert	SDO	2
70232909004	**GAC-3S/4S-VESSEL#400-10**	SM22 9223B Colilert	SDO	2
70232909005	**GAC-3S/4S-VESSEL#400-30**	SM22 9223B Colilert	SDO	2

PACE-MV = Pace Analytical Services - Melville

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/11
Pace Project No.: 70232909

Sample: GAC-3S/4S-VESSEL#400-0 **Lab ID: 70232909001** Collected: 10/11/22 09:20 Received: 10/11/22 11:38 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	10/11/22 17:55	10/12/22 11:55		
E.coli	**Absent**				1	10/11/22 17:55	10/12/22 11:55		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/11
Pace Project No.: 70232909

Sample: GAC-3S/4S-VESSEL#400-2 **Lab ID: 70232909002** Collected: 10/11/22 09:22 Received: 10/11/22 11:38 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	10/11/22 17:55	10/12/22 11:55		
E.coli	**Absent**				1	10/11/22 17:55	10/12/22 11:55		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/11
Pace Project No.: 70232909

Sample: GAC-3S/4S-VESSEL#400-5 **Lab ID: 70232909003** Collected: 10/11/22 09:25 Received: 10/11/22 11:38 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	10/11/22 17:55	10/12/22 11:55		
E.coli	**Absent**				1	10/11/22 17:55	10/12/22 11:55		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/11
Pace Project No.: 70232909

Sample: GAC-3S/4S-VESSEL#400-10 **Lab ID: 70232909004** Collected: 10/11/22 09:30 Received: 10/11/22 11:38 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	10/11/22 17:55	10/12/22 11:55		
E.coli	**Absent**				1	10/11/22 17:55	10/12/22 11:55		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NYAW-MERRICK OPS BACT 10/11
Pace Project No.: 70232909

Sample: GAC-3S/4S-VESSEL#400-30 **Lab ID: 70232909005** Collected: 10/11/22 09:50 Received: 10/11/22 11:38 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	10/11/22 17:55	10/12/22 11:55		
E.coli	**Absent**				1	10/11/22 17:55	10/12/22 11:55		

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYAW-MERRICK OPS BACT 10/11
Pace Project No.: 70232909

QC Batch: 277478
QC Batch Method: SM22 9223B Colilert
Analysis Method: SM22 9223B Colilert
Analysis Description: TotColDW MBIO Total Coliform
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70232909001, 70232909002, 70232909003, 70232909004, 70232909005

METHOD BLANK: 1402196 Matrix: Drinking Water
Associated Lab Samples: 70232909001, 70232909002, 70232909003, 70232909004, 70232909005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		10/12/22 11:55	
Total Coliforms		Absent		10/12/22 11:55	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: NYAW-MERRICK OPS BACT 10/11
Pace Project No.: 70232909

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK OPS BACT 10/11
Pace Project No.: 70232909

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70232909001	**GAC-3S/4S-VESSEL#400-0**	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232909002	**GAC-3S/4S-VESSEL#400-2**	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232909003	**GAC-3S/4S-VESSEL#400-5**	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232909004	**GAC-3S/4S-VESSEL#400-10**	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058
70232909005	**GAC-3S/4S-VESSEL#400-30**	SM22 9223B Colilert	277478	SM22 9223B Colilert	278058

WO# : 70232909

70232909

CHAIN-OF-CUSTODY / Analytical Request D

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

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

Regulatory Agency
State / Location
NY

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): Colliert (Fecal/Ecoli)	Residual Chlorine (Y/N)
1	GAC-3S/4S-Vessel#400-0	DW	G			10.11.22	9:20		1	X									X	
2	GAC-3S/4S-Vessel#400-2	DW	G			10.11.22	9:22		1	X									X	
3	GAC-3S/4S-Vessel#400-5	DW	G			10.11.22	9:25		1	X									X	
4	GAC-3S/4S-Vessel#400-10	DW	G			10.11.22	9:30		1	X									X	
5	GAC-3S/4S-Vessel#400-30	DW	G			10.11.22	9:50		1	X									X	
6																				
7																				
8																				
9																				
10																				
11																				
12																				

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Randy Hoffmaster	10/11/22		PC LI	10/11/22	11:38	1.2	W	N/A	Y

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Randy Hoffmaster		
SIGNATURE of SAMPLER:	Randy Hoffmaster	DATE Signed:	10.11.2022

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

COC PAGE ___ of ___

Sample Container Count

WO# : 70232909

PM: KMM **Due Date: 10/18/22**

CLIENT: KGS

Client: KGS Profile # 5456 ☐ Use Point Number Spreadsheet

WORK ORDER: NYAW-MERRICK OPS BALT 10/11 Notes

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC
1																																									1										
2																																										1										
3																																										1										
4																																										1										
5																																										1										
6																																																					
7																																																					
8																																																					
9																																																					
10																																																					
11																																																					
12																																																					

Container Codes

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

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

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

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

* Can also be a BP4N

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

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

Additional Comments

Sample Condition Upon Receipt

Pace Analytical®

WO#: 70232909
PM: KMM Due Date: 10/18/22
CLIENT: KGS

Client Name: KGS Pr

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

Tracking #:

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

Temperature Blank Present: ☐ Yes ☑ No

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

Type of Ice: Wet Blue None

Thermometer Used: TH148 Correction Factor: +0.1

☑ Samples on ice, cooling process has begun

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

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: SH 10/11/22

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

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

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

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

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

ENV-FRM-MELV-0024 01