

3 June 2022

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

**Subject:** May 2022 Sampling Report

Full Scale Liquid-Phase Granular Activated Carbon Treatment System

Liberty New York Water, Seamans Neck Road Water Plant

**NWIRP Bethpage, New York** 

Contract No. N40085-16-D-2288, Task Order 5125

Dear Mr. Sokolowski,

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

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

# **Sampling Requirements**

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

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

- system influent (Well No. 3A and Well No. 4S raw water) and from the effluent of each GAC vessel over a timed sequence. The sampling occurs after the wells and vessels are shut-down for a minimum of 12 hours. Samples will be analyzed via the Colilert method to determine if any *E. Coli* or Total Coliform bacteria are present.
- Annual Sampling: Annual sampling will be performed for Physical and Inorganic Constituents (IOCs) at the system influent (Well No. 3A and Well No. 4S raw water) and effluent three sampling locations, plus associated QA/QC samples. IOCs include a specified list of metals analyzed via EPA Method 200.7.

# **May 2022 Sampling Summary**

# Monthly POC Sampling

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

Table 1 - TCE Analytical Results<sup>(1)</sup> – May 2022

Date	Well 3A Raw [N-14347 (Seaman Neck 3A Well)]	Well 4S Raw [N-09338 (Seaman Neck 4S Well)]	Effluent from GAC System [GAC-3S/4S (Seaman Neck GAC Effluent)]	Effluent from GAC System (Duplicate) [GAC-3S/4S (Seaman Neck GAC Effluent)-D]
05/03/2022	27.3	4.0	ND	ND

#### Notes:

(1) All concentrations reported in ug/L (ppb).

ND-Not Detected above the reporting limit (0.50 ug/L)

# Quarterly Microbiological (MIC) Sampling – 2022 Q2

On 16 May 2022, GAC #100 and GAC #200 were taken off-line for a minimum required 12-hour period prior to collecting quarterly MIC samples. Well No. 4S and the other four GAC vessels continued to operate. Well No. 3A is typically not online during non-peak load periods and is required to be turned on to facilitate sampling. Following the 12-hour shut-down of the vessels, GAC #100 and GAC #200 were brought back on-line. Time sequenced MIC samples were collected from Well No. 3A and the GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the vessels and startup of Well No. 3A on 17 May 2022. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

On 17 May 2022, GAC #500 and GAC #600 were taken off-line for a minimum required 12-hour period prior to collecting the quarterly MIC samples. Well No. 3A was brought online to compensate for shutdown of Well No. 4S and the other four GAC vessels continued to operate.

Following the 12-hour shut-down, GAC #500 and GAC #600 were brought back on-line. Time sequenced MIC samples were collected from Well No. 4S and the GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the GAC vessels on 18 May 2022. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

On 23 May 2022, GAC #300 and GAC #400 were taken off-line for a minimum required 12-hour period prior to collecting the quarterly MIC samples. Well No. 4S and the other four GAC vessels continued to operate. Following the 12-hour shut-down, GAC #300 and GAC #400 were brought back on-line. Time sequenced MIC samples were collected from the GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the GAC vessels on 24 May 2022. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

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

Sincerely,

KOMAN Government Solutions, LLC

Robert & Dryng

Robert Gregory, P.G.

Project Manager

Cc: W. Provoncha – Nassau County

M. Alarcon – Nassau County

C. Johnson – Nassau County

R. Castle – Nassau County

J. Pelton – NYSDEC

K. Granzen – NYSDEC

M. Travis - NYSDEC

C. Shukis – NAVFAC

V. Varricchio – NWIRP Bethpage Facilities Management

R. Kern – LNYW

N. Niola – LNYW

J. Palmer - LNYW

D. Brayack – Tetra Tech

R. Hoffmaster – KGS

P. Schauble – KGS

# ATTACHMENT 1 POC ANALYTICAL RESULTS FOR MAY 2022





May 24, 2022

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

RE: Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

#### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC





(631)694-3040



**CERTIFICATIONS** 

Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Maryland Certification #: 208

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478

Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340

Virginia Certification # 460302



# **SAMPLE SUMMARY**

Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

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



# **SAMPLE ANALYTE COUNT**

Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70213238001	GAC-3S/4S (SEAMAN NECK GAC EFF	EPA 522	Al1	2
		EPA 524.2	KGG	62
70213238002	GAC-3S/4S (SEAMAN NECK GAC E-D	EPA 524.2	KGG	62
70213238003	WELL 3A N-14347 (INFLUENT)	EPA 522	Al1	2
		EPA 524.2	KGG	62
70213238004	WELL 4 N-09338 (INFLUENT)	EPA 522	AI1	2
		EPA 524.2	KGG	62

PACE-MV = Pace Analytical Services - Melville



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF	<b>Lab ID: 70213238001</b> Collected: 05/03/22 08:3			d: 05/03/22 08:30	Received: 05/	03/22 11:21 I	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 5	522 Prepara	tion Method: EPA	522			
	Pace Anal	ytical Services	- Melville					
1,4-Dioxane (p-Dioxane)	1.7	ug/L	0.020	1	05/05/22 09:07	05/05/22 15:5	4 123-91-1	
Surrogates 1,4-Dioxane-d8 (S)	94	%	70-130	1	05/05/22 09:07	05/05/22 15:5	4	
, ,	Analytical							
524.2 MSV	•	Method: EPA 5						
	Pace Anai	ytical Services	- Meiville					
Benzene	<0.50	ug/L	0.50	1		05/09/22 18:1	7 71-43-2	
Bromobenzene	<0.50	ug/L	0.50	1		05/09/22 18:1		
Bromochloromethane	<0.50	ug/L	0.50	1		05/09/22 18:1	7 74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	1		05/09/22 18:1	-	
Bromoform	<0.50	ug/L	0.50	1		05/09/22 18:1	7 75-25-2	
Bromomethane	<0.50	ug/L	0.50	1		05/09/22 18:1	7 74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 18:1	7 104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 18:1	7 135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 18:1	7 98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	1		05/09/22 18:1	7 56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	1		05/09/22 18:1	7 108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50	1		05/09/22 18:1	7 75-45-6	N3
Chloroethane	<0.50	ug/L	0.50	1		05/09/22 18:1	7 75-00-3	
Chloroform	<0.50	ug/L	0.50	1		05/09/22 18:1	7 67-66-3	
Chloromethane	<0.50	ug/L	0.50	1		05/09/22 18:1	7 74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50	1		05/09/22 18:1	7 95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50	1		05/09/22 18:1	7 106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	1		05/09/22 18:1	7 124-48-1	
Dibromomethane	<0.50	ug/L	0.50	1		05/09/22 18:1	7 74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 18:1	7 95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 18:1	7 541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 18:1	7 106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50	1		05/09/22 18:1	7 75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50	1		05/09/22 18:1	7 75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	1		05/09/22 18:1		
1.1-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 18:1		
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 18:1		
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 18:1	7 156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 18:1		
1,3-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 18:1		
2,2-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 18:1		
1,1-Dichloropropene	<0.50	ug/L	0.50	1		05/09/22 18:1		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1			7 10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1			7 10061-01-6	
Ethylbenzene	<0.50	ug/L	0.50	1		05/09/22 18:1		
•	<0.50	ug/L	0.50	1		05/09/22 18:1		
Hexachioro-1.3-buraniene								
Hexachloro-1,3-butadiene Isopropylbenzene (Cumene)	<0.50	ug/L	0.50	1		05/09/22 18:1		



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: GAC-3S/4S (SEAMAN Lab ID: 70213238001 Collected: 05/03/22 08:30 Received: 05/03/22 11:21 Matrix: Drinking Water **NECK GAC EFF** Report Reg. Qual **Parameters** Results Units Limit Limit DF Prepared CAS No. Analyzed 524.2 MSV Analytical Method: EPA 524.2 Pace Analytical Services - Melville Methylene Chloride < 0.50 ug/L 0.50 05/09/22 18:17 75-09-2 Methyl-tert-butyl ether <0.50 ug/L 0.50 05/09/22 18:17 1634-04-4 0.50 n-Propylbenzene < 0.50 ug/L 1 05/09/22 18:17 103-65-1 ug/L Styrene < 0.50 0.50 1 05/09/22 18:17 100-42-5 1,1,1,2-Tetrachloroethane <0.50 ug/L 0.50 1 05/09/22 18:17 630-20-6 1,1,2,2-Tetrachloroethane <0.50 ug/L 0.50 1 05/09/22 18:17 79-34-5 Tetrachloroethene <0.50 ug/L 0.50 1 05/09/22 18:17 127-18-4 Toluene <0.50 ug/L 0.50 1 05/09/22 18:17 108-88-3 Total Trihalomethanes (Calc.) <0.50 ug/L 0.50 1 05/09/22 18:17 1,2,3-Trichlorobenzene <0.50 ug/L 0.50 1 05/09/22 18:17 87-61-6 1,2,4-Trichlorobenzene < 0.50 ug/L 0.50 1 05/09/22 18:17 120-82-1 1,1,1-Trichloroethane <0.50 ug/L 0.50 1 05/09/22 18:17 71-55-6 1,1,2-Trichloroethane <0.50 0.50 1 05/09/22 18:17 79-00-5 ug/L Trichloroethene < 0.50 ug/L 0.50 1 05/09/22 18:17 79-01-6 Trichlorofluoromethane < 0.50 ug/L 0.50 1 05/09/22 18:17 75-69-4 1,2,3-Trichloropropane < 0.50 ug/L 0.50 1 05/09/22 18:17 96-18-4 1,1,2-Trichlorotrifluoroethane < 0.50 0.50 N3 ug/L 1 05/09/22 18:17 76-13-1 05/09/22 18:17 95-63-6 1,2,4-Trimethylbenzene < 0.50 ug/L 0.50 1 05/09/22 18:17 108-67-8 1,3,5-Trimethylbenzene < 0.50 ug/L 0.50 1 05/09/22 18:17 75-01-4 Vinyl chloride < 0.50 ug/L 0.50 1 05/09/22 18:17 179601-23-1 m&p-Xylene <0.50 ug/L 0.50 1 o-Xylene < 0.50 ug/L 0.50 1 05/09/22 18:17 95-47-6 Surrogates 1,2-Dichlorobenzene-d4 (S) 92 % 70-130 05/09/22 18:17 2199-69-1 1 4-Bromofluorobenzene (S) 95 70-130 05/09/22 18:17 460-00-4 % 1



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Lab ID: 70213238002 Sample: GAC-3S/4S (SEAMAN Collected: 05/03/22 08:45 Received: 05/03/22 11:21 Matrix: Drinking Water **NECK GAC È-D** Report Reg. **Parameters** Results Units Limit Limit DF CAS No. Qual Prepared Analyzed 524.2 MSV Analytical Method: EPA 524.2 Pace Analytical Services - Melville Benzene < 0.50 ug/L 0.50 1 05/09/22 18:44 71-43-2 Bromobenzene 0.50 05/09/22 18:44 108-86-1 <0.50 ug/L 1 Bromochloromethane < 0.50 ug/L 0.50 1 05/09/22 18:44 74-97-5 Bromodichloromethane <0.50 0.50 1 05/09/22 18:44 75-27-4 ug/L Bromoform <0.50 0.50 1 05/09/22 18:44 75-25-2 ug/L Bromomethane <0.50 ug/L 0.50 1 05/09/22 18:44 74-83-9 n-Butylbenzene <0.50 ug/L 0.50 1 05/09/22 18:44 104-51-8 05/09/22 18:44 135-98-8 sec-Butylbenzene < 0.50 ug/L 0.50 1 05/09/22 18:44 98-06-6 tert-Butylbenzene <0.50 ug/L 0.50 1 Carbon tetrachloride <0.50 ug/L 0.50 1 05/09/22 18:44 56-23-5 Chlorobenzene < 0.50 ug/L 0.50 1 05/09/22 18:44 108-90-7 Chlorodifluoromethane <0.50 0.50 1 05/09/22 18:44 75-45-6 N3 ug/L 0.50 05/09/22 18:44 75-00-3 Chloroethane < 0.50 ug/L 1 Chloroform <0.50 ug/L 0.50 1 05/09/22 18:44 67-66-3 Chloromethane < 0.50 ug/L 0.50 1 05/09/22 18:44 74-87-3 2-Chlorotoluene < 0.50 ug/L 0.50 1 05/09/22 18:44 95-49-8 < 0.50 0.50 4-Chlorotoluene ug/L 1 05/09/22 18:44 106-43-4 05/09/22 18:44 124-48-1 Dibromochloromethane < 0.50 ug/L 0.50 1 Dibromomethane < 0.50 ug/L 0.50 1 05/09/22 18:44 74-95-3 1.2-Dichlorobenzene < 0.50 05/09/22 18:44 95-50-1 ug/L 0.50 1 1,3-Dichlorobenzene <0.50 ug/L 0.50 1 05/09/22 18:44 541-73-1 1,4-Dichlorobenzene < 0.50 ug/L 0.50 1 05/09/22 18:44 106-46-7 Dichlorodifluoromethane < 0.50 0.50 05/09/22 18:44 75-71-8 ug/L 1 1,1-Dichloroethane < 0.50 ug/L 0.50 1 05/09/22 18:44 75-34-3 1,2-Dichloroethane < 0.50 ug/L 0.50 05/09/22 18:44 107-06-2 1,1-Dichloroethene < 0.50 ug/L 0.50 1 05/09/22 18:44 75-35-4 cis-1,2-Dichloroethene <0.50 ug/L 0.50 05/09/22 18:44 156-59-2 1 trans-1,2-Dichloroethene < 0.50 0.50 1 05/09/22 18:44 156-60-5 ug/L 05/09/22 18:44 78-87-5 1,2-Dichloropropane < 0.50 0.50 1 ug/L 1,3-Dichloropropane < 0.50 1 05/09/22 18:44 142-28-9 ug/L 0.50 05/09/22 18:44 594-20-7 2,2-Dichloropropane < 0.50 ug/L 0.50 1 1,1-Dichloropropene <0.50 ug/L 0.50 1 05/09/22 18:44 563-58-6 cis-1,3-Dichloropropene < 0.50 ug/L 0.50 1 05/09/22 18:44 10061-01-5 trans-1,3-Dichloropropene 05/09/22 18:44 10061-02-6 < 0.50 ug/L 0.50 1 0.50 05/09/22 18:44 100-41-4 Ethylbenzene < 0.50 ug/L 1 Hexachloro-1,3-butadiene < 0.50 ug/L 0.50 1 05/09/22 18:44 87-68-3 Isopropylbenzene (Cumene) < 0.50 ug/L 0.50 1 05/09/22 18:44 98-82-8 <0.50 ug/L 0.50 05/09/22 18:44 99-87-6 p-Isopropyltoluene 1 Methylene Chloride <0.50 ug/L 0.50 05/09/22 18:44 75-09-2 1 Methyl-tert-butyl ether < 0.50 ug/L 0.50 1 05/09/22 18:44 1634-04-4 <0.50 0.50 n-Propylbenzene ug/L 1 05/09/22 18:44 103-65-1 <0.50 Styrene ug/L 0.50 1 05/09/22 18:44 100-42-5 1,1,1,2-Tetrachloroethane < 0.50 ug/L 0.50 1 05/09/22 18:44 630-20-6 1,1,2,2-Tetrachloroethane <0.50 ug/L 0.50 05/09/22 18:44 79-34-5



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: GAC-3S/4S (SEAMAN NECK GAC E-D	Lab ID:	70213238002	Collecte	d: 05/03/2	2 08:45	Received: 05	5/03/22 11:21 Ma	atrix: Drinking	Water
			Report	Reg.					
Parameters	Results	Units	Limit	Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical	Method: EPA 5	524.2						
	Pace Anal	ytical Services	- Melville						
Tetrachloroethene	<0.50	ug/L	0.50		1		05/09/22 18:44	127-18-4	
Toluene	<0.50	ug/L	0.50		1		05/09/22 18:44	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50		1		05/09/22 18:44		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		05/09/22 18:44	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50		1		05/09/22 18:44	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50		1		05/09/22 18:44	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50		1		05/09/22 18:44	79-00-5	
Trichloroethene	<0.50	ug/L	0.50		1		05/09/22 18:44	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		05/09/22 18:44	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		05/09/22 18:44	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		05/09/22 18:44	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		05/09/22 18:44	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		05/09/22 18:44	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		1		05/09/22 18:44	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		05/09/22 18:44	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		05/09/22 18:44	95-47-6	
Surrogates		-							
1,2-Dichlorobenzene-d4 (S)	85	%	70-130		1		05/09/22 18:44	2199-69-1	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/09/22 18:44	460-00-4	



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: WELL 3A N-14347 (INFLUENT)	Lab ID:	70213238003	Collecte	d: 05/03/22 09:05	Received: 05/	/03/22 11:21 M	latrix: Drinking	Water
Parameters	Results	Units	Report Limit	Reg. Limit DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)	Analytical	Method: EPA 5	22 Prepara	ation Method: EPA 5	522			
	Pace Ana	lytical Services	<ul> <li>Melville</li> </ul>					
1,4-Dioxane (p-Dioxane)	1.8	ug/L	0.020	1	05/05/22 09:07	05/05/22 16:26	123-91-1	
Surrogates								
1,4-Dioxane-d8 (S)	94	%	70-130	1	05/05/22 09:07	05/05/22 16:26	3	
524.2 MSV	•	Method: EPA 5 lytical Services						
Benzene	<0.50	ug/L	0.50	1		05/09/22 19:10	71-43-2	
Bromobenzene	<0.50	ug/L	0.50	1		05/09/22 19:10	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50	1		05/09/22 19:10	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	1		05/09/22 19:10	75-27-4	
Bromoform	<0.50	ug/L	0.50	1		05/09/22 19:10	75-25-2	
Bromomethane	<0.50	ug/L	0.50	1		05/09/22 19:10	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:10	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:10	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:10		
Carbon tetrachloride	<0.50	ug/L	0.50	1		05/09/22 19:10	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:10	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50	1		05/09/22 19:10	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50	1		05/09/22 19:10	75-00-3	
Chloroform	<0.50	ug/L	0.50	1		05/09/22 19:10		
Chloromethane	<0.50	ug/L	0.50	1		05/09/22 19:10		
2-Chlorotoluene	<0.50	ug/L	0.50	1		05/09/22 19:10		
4-Chlorotoluene	<0.50	ug/L	0.50	1		05/09/22 19:10		
Dibromochloromethane	<0.50	ug/L	0.50	1		05/09/22 19:10		
Dibromomethane	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:10		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,1-Dichloroethane	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,2-Dichloroethane	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,1-Dichloroethene	0.68	ug/L	0.50	1		05/09/22 19:10		
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 19:10		
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,2-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 19:10 05/09/22 19:10		
1,3-Dichloropropane	<0.50	ug/L	0.50	1				
2,2-Dichloropropane	<0.50 <0.50	ug/L	0.50 0.50	1 1		05/09/22 19:10 05/09/22 19:10		
1,1-Dichloropropene	<0.50 <0.50	ug/L	0.50	1		05/09/22 19:10		
cis-1,3-Dichloropropene trans-1,3-Dichloropropene	<0.50 <0.50	ug/L	0.50			05/09/22 19:10		
		ug/L		1				
Ethylbenzene Hexachloro-1,3-butadiene	<0.50	ug/L	0.50	1		05/09/22 19:10 05/09/22 19:10		
•	<0.50 <0.50	ug/L	0.50 0.50	1		05/09/22 19:10		
Isopropylbenzene (Cumene) p-Isopropyltoluene	<0.50 <0.50	ug/L ug/L	0.50	1 1		05/09/22 19:10		



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: WELL 3A N-14347 Lab ID: 70213238003 Collected: 05/03/22 09:05 Received: 05/03/22 11:21 Matrix: Drinking Water (INFLUENT) Report Reg. Qual **Parameters** Results Units Limit Limit DF Prepared CAS No. Analyzed 524.2 MSV Analytical Method: EPA 524.2 Pace Analytical Services - Melville Methylene Chloride < 0.50 ug/L 0.50 05/09/22 19:10 75-09-2 Methyl-tert-butyl ether <0.50 ug/L 0.50 05/09/22 19:10 1634-04-4 <0.50 0.50 n-Propylbenzene ug/L 1 05/09/22 19:10 103-65-1 ug/L Styrene < 0.50 0.50 1 05/09/22 19:10 100-42-5 1,1,1,2-Tetrachloroethane <0.50 ug/L 0.50 1 05/09/22 19:10 630-20-6 1,1,2,2-Tetrachloroethane <0.50 ug/L 0.50 1 05/09/22 19:10 79-34-5 Tetrachloroethene <0.50 ug/L 0.50 1 05/09/22 19:10 127-18-4 05/09/22 19:10 108-88-3 Toluene <0.50 ug/L 0.50 1 Total Trihalomethanes (Calc.) <0.50 ug/L 0.50 1 05/09/22 19:10 1,2,3-Trichlorobenzene <0.50 ug/L 0.50 1 05/09/22 19:10 87-61-6 1,2,4-Trichlorobenzene < 0.50 ug/L 0.50 1 05/09/22 19:10 120-82-1 1,1,1-Trichloroethane <0.50 ug/L 0.50 1 05/09/22 19:10 71-55-6 1,1,2-Trichloroethane <0.50 0.50 1 05/09/22 19:10 79-00-5 ug/L Trichloroethene 27.3 ug/L 0.50 1 05/09/22 19:10 79-01-6 Trichlorofluoromethane <0.50 ug/L 0.50 1 05/09/22 19:10 75-69-4 1,2,3-Trichloropropane < 0.50 ug/L 0.50 1 05/09/22 19:10 96-18-4 1,1,2-Trichlorotrifluoroethane 0.77 0.50 05/09/22 19:10 76-13-1 N3 ug/L 1 1,2,4-Trimethylbenzene < 0.50 ug/L 0.50 1 05/09/22 19:10 95-63-6 1,3,5-Trimethylbenzene < 0.50 ug/L 0.50 1 05/09/22 19:10 108-67-8 05/09/22 19:10 75-01-4 Vinyl chloride < 0.50 ug/L 0.50 1 05/09/22 19:10 179601-23-1 m&p-Xylene <0.50 ug/L 0.50 1 o-Xylene < 0.50 ug/L 0.50 1 05/09/22 19:10 95-47-6 Surrogates 1,2-Dichlorobenzene-d4 (S) 88 % 70-130 05/09/22 19:10 2199-69-1 1 4-Bromofluorobenzene (S) 90 70-130 05/09/22 19:10 460-00-4 % 1



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: WELL 4 N-09338 (INFLUENT)	Lab ID:	70213238004	Collected	: 05/03/22 09:20	Received: 05/	/03/22 11:21 N	Matrix: Drinking	Water
			Report	Reg.				
Parameters	Results	Units	Limit	Limit DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)	Analytical	Method: EPA 5	22 Preparat	ion Method: EPA	522			
	Pace Anal	ytical Services	- Melville					
1,4-Dioxane (p-Dioxane) <b>Surrogates</b>	1.7	ug/L	0.020	1	05/05/22 09:07	05/05/22 17:00	123-91-1	
1,4-Dioxane-d8 (S)	97	%	70-130	1	05/05/22 09:07	05/05/22 17:00	)	
524.2 MSV	Analytical	Method: EPA 5	24.2					
	Pace Anal	ytical Services	- Melville					
Benzene	<0.50	ug/L	0.50	1		05/09/22 19:3	7 71-43-2	
Bromobenzene	<0.50	ug/L	0.50	1		05/09/22 19:3	7 108-86-1	
Bromochloromethane	<0.50	ug/L	0.50	1		05/09/22 19:37	7 74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	1		05/09/22 19:3	7 75-27-4	
Bromoform	<0.50	ug/L	0.50	1		05/09/22 19:37	7 75-25-2	
Bromomethane	<0.50	ug/L	0.50	1		05/09/22 19:3	7 74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:3	7 104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:3	7 135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:3	7 98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	1		05/09/22 19:3	7 56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:3	7 108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50	1		05/09/22 19:3	7 75-45-6	N3
Chloroethane	<0.50	ug/L	0.50	1		05/09/22 19:3	7 75-00-3	
Chloroform	<0.50	ug/L	0.50	1		05/09/22 19:3	7 67-66-3	
Chloromethane	<0.50	ug/L	0.50	1		05/09/22 19:3	7 74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50	1		05/09/22 19:3	7 95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50	1		05/09/22 19:3	7 106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	1		05/09/22 19:3		
Dibromomethane	<0.50	ug/L	0.50	1		05/09/22 19:3	7 74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:3		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:3		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:3		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1		05/09/22 19:3		
1.1-Dichloroethane	<0.50	ug/L	0.50	1		05/09/22 19:3		
1,2-Dichloroethane	<0.50	ug/L	0.50	1		05/09/22 19:3		
1,1-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 19:3		
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 19:3		
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 19:3		
1,2-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 19:3		
1,3-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 19:3		
2,2-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 19:3		
1,1-Dichloropropene	<0.50	ug/L	0.50	1		05/09/22 19:3		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1		05/09/22 19:3		
trans-1,3-Dichloropropene	<0.50	ug/L ug/L	0.50	1		05/09/22 19:3		
Ethylbenzene	<0.50 <0.50	ug/L ug/L	0.50	1		05/09/22 19:3		
Hexachloro-1,3-butadiene	<0.50 <0.50	-	0.50	1		05/09/22 19:3		
•	<0.50 <0.50	ug/L		1		05/09/22 19:3		
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50	l l		00/05/22 19.3	30-02-0	



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: WELL 4 N-09338 (INFLUENT)	Lab ID:	70213238004	Collected	d: 05/03/22 09:20	Received: 05	5/03/22 11:21 Ma	atrix: Drinking	Water
Parameters	Results	Units	Report Limit	Reg. Limit DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical	Method: EPA 5	524.2					
	Pace Ana	lytical Services	- Melville					
Methylene Chloride	<0.50	ug/L	0.50	1		05/09/22 19:37	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50	1		05/09/22 19:37	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	103-65-1	
Styrene	<0.50	ug/L	0.50	1		05/09/22 19:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1		05/09/22 19:37	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1		05/09/22 19:37	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	1		05/09/22 19:37	127-18-4	
Toluene	<0.50	ug/L	0.50	1		05/09/22 19:37	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	1		05/09/22 19:37		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1		05/09/22 19:37	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1		05/09/22 19:37	79-00-5	
Trichloroethene	4.0	ug/L	0.50	1		05/09/22 19:37	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50	1		05/09/22 19:37	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1		05/09/22 19:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50	1		05/09/22 19:37	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	1		05/09/22 19:37	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50	1		05/09/22 19:37	179601-23-1	
o-Xylene	<0.50	ug/L	0.50	1		05/09/22 19:37	95-47-6	
Surrogates		-						
1,2-Dichlorobenzene-d4 (S)	87	%	70-130	1		05/09/22 19:37	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130	1		05/09/22 19:37	460-00-4	



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

QC Batch: 255809 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70213238001, 70213238002, 70213238003, 70213238004

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

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

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

# **REPORT OF LABORATORY ANALYSIS**

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Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

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

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

LABORATORY CONTROL SAMPLE:	1292200					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.8	98	70-130	
1,1,1-Trichloroethane	ug/L	10	9.1	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	9.6	96	70-130	
1,1,2-Trichloroethane	ug/L	10	9.8	98	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	9.4	94	70-130 N	13
1,1-Dichloroethane	ug/L	10	9.4	94	70-130	
1,1-Dichloroethene	ug/L	10	9.0	90	70-130	
1,1-Dichloropropene	ug/L	10	8.9	89	70-130	
1,2,3-Trichlorobenzene	ug/L	10	9.8	98	70-130	
1,2,3-Trichloropropane	ug/L	10	10	100	70-130	
1,2,4-Trichlorobenzene	ug/L	10	9.6	96	70-130	
1,2,4-Trimethylbenzene	ug/L	10	9.0	90	70-130	
1,2-Dichlorobenzene	ug/L	10	10.2	102	70-130	
1,2-Dichloroethane	ug/L	10	9.9	99	70-130	
1,2-Dichloropropane	ug/L	10	9.6	96	70-130	
1,3,5-Trimethylbenzene	ug/L	10	8.4	84	70-130	
1,3-Dichlorobenzene	ug/L	10	10.3	103	70-130	
1,3-Dichloropropane	ug/L	10	9.2	92	70-130	

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.



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

LABORATORY CONTROL SAMPLE:	1292200				_	
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
						Qualifiers
1,4-Dichlorobenzene	ug/L	10	10.2	102	70-130	
2,2-Dichloropropane	ug/L	10	8.9	89	70-130	
2-Chlorotoluene	ug/L	10	9.8	98	70-130	
4-Chlorotoluene	ug/L	10	9.8	98	70-130	
Benzene	ug/L	10	9.7	97	70-130	
Bromobenzene	ug/L	10	10.0	100	70-130	
Bromochloromethane	ug/L	10	9.7	97	70-130	
Bromodichloromethane	ug/L	10	9.8	98	70-130	
Bromoform	ug/L	10	10.0	100 97	70-130	
Bromomethane	ug/L	10	9.7 8.8	97 88	70-130	
Carbon tetrachloride	ug/L	10			70-130	
Chlorodiffuoromethone	ug/L	10	10.1	101	70-130	10
Chlorodifluoromethane Chloroethane	ug/L	10 10	7.4 9.4	74 94	70-130 N 70-130	NO
Chloroform	ug/L	10	9.4 9.6	94 96	70-130 70-130	
Chloromethane	ug/L	10	10.1	101	70-130 70-130	
cis-1,2-Dichloroethene	ug/L	10	9.3	93	70-130 70-130	
cis-1,3-Dichloropropene	ug/L	10	9.3 9.9	99	70-130 70-130	
Dibromochloromethane	ug/L ug/L	10	9.9	99	70-130 70-130	
Dibromomethane	ug/L ug/L	10	9.9	92	70-130	
Dichlorodifluoromethane	ug/L	10	9.2	92	70-130	
Ethylbenzene	ug/L	10	9.4	94	70-130	
Hexachloro-1,3-butadiene	ug/L	10	9.3	93	70-130	
Isopropylbenzene (Cumene)	ug/L	10	9.4	94	70-130	
m&p-Xylene	ug/L	20	18.9	94	70-130	
Methyl-tert-butyl ether	ug/L	10	10.8	108	70-130	
Methylene Chloride	ug/L	10	9.6	96	70-130	
n-Butylbenzene	ug/L	10	9.9	99	70-130	
n-Propylbenzene	ug/L	10	9.6	96	70-130	
o-Xylene	ug/L	10	9.8	98	70-130	
p-Isopropyltoluene	ug/L	10	9.2	92	70-130	
sec-Butylbenzene	ug/L	10	9.1	91	70-130	
Styrene	ug/L	10	8.9	89	70-130	
tert-Butylbenzene	ug/L	10	9.4	94	70-130	
Tetrachloroethene	ug/L	10	9.2	92	70-130	
Toluene	ug/L	10	9.8	98	70-130	
Total Trihalomethanes (Calc.)	ug/L		39.4			
trans-1,2-Dichloroethene	ug/L	10	9.3	93	70-130	
trans-1,3-Dichloropropene	ug/L	10	9.9	99	70-130	
Trichloroethene	ug/L	10	9.6	96	70-130	
Trichlorofluoromethane	ug/L	10	9.3	93	70-130	
Vinyl chloride	ug/L	10	8.8	88	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	

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.



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

SAMPLE DUPLICATE: 1293229						
Б	11.5	70213201005	Dup	222	Max	0 ""
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	< 0.50	<0.50		20	
1,1,1-Trichloroethane	ug/L	< 0.50	< 0.50		20	
1,1,2,2-Tetrachloroethane	ug/L	< 0.50	< 0.50		20	
1,1,2-Trichloroethane	ug/L	<0.50	< 0.50		20	
1,1,2-Trichlorotrifluoroethane	ug/L	< 0.50	< 0.50		20	N3
1,1-Dichloroethane	ug/L	<0.50	< 0.50		20	
1,1-Dichloroethene	ug/L	< 0.50	< 0.50		20	
1,1-Dichloropropene	ug/L	< 0.50	< 0.50		20	
1,2,3-Trichlorobenzene	ug/L	< 0.50	< 0.50		20	
1,2,3-Trichloropropane	ug/L	< 0.50	< 0.50		20	
1,2,4-Trichlorobenzene	ug/L	<0.50	< 0.50		20	
1,2,4-Trimethylbenzene	ug/L	<0.50	< 0.50		20	
1,2-Dichlorobenzene	ug/L	< 0.50	< 0.50		20	
1,2-Dichloroethane	ug/L	< 0.50	< 0.50		20	
1,2-Dichloropropane	ug/L	< 0.50	< 0.50		20	
1,3,5-Trimethylbenzene	ug/L	< 0.50	< 0.50		20	
1,3-Dichlorobenzene	ug/L	< 0.50	< 0.50		20	
1,3-Dichloropropane	ug/L	< 0.50	< 0.50		20	
1,4-Dichlorobenzene	ug/L	< 0.50	< 0.50		20	
2,2-Dichloropropane	ug/L	< 0.50	< 0.50		20	
2-Chlorotoluene	ug/L	< 0.50	< 0.50		20	
4-Chlorotoluene	ug/L	< 0.50	< 0.50		20	
Benzene	ug/L	< 0.50	< 0.50		20	
Bromobenzene	ug/L	< 0.50	< 0.50		20	
Bromochloromethane	ug/L	< 0.50	< 0.50		20	
Bromodichloromethane	ug/L	< 0.50	< 0.50		20	
Bromoform	ug/L	< 0.50	< 0.50		20	
Bromomethane	ug/L	< 0.50	< 0.50		20	
Carbon tetrachloride	ug/L	< 0.50	< 0.50		20	
Chlorobenzene	ug/L	< 0.50	< 0.50		20	
Chlorodifluoromethane	ug/L	< 0.50	< 0.50		20	N3
Chloroethane	ug/L	< 0.50	< 0.50		20	
Chloroform	ug/L	< 0.50	< 0.50		20	
Chloromethane	ug/L	< 0.50	< 0.50		20	
cis-1,2-Dichloroethene	ug/L	< 0.50	< 0.50		20	
cis-1,3-Dichloropropene	ug/L	< 0.50	< 0.50		20	
Dibromochloromethane	ug/L	< 0.50	< 0.50		20	
Dibromomethane	ug/L	< 0.50	< 0.50		20	
Dichlorodifluoromethane	ug/L	< 0.50	< 0.50		20	
Ethylbenzene	ug/L	< 0.50	< 0.50		20	
Hexachloro-1,3-butadiene	ug/L	< 0.50	< 0.50		20	
Isopropylbenzene (Cumene)	ug/L	< 0.50	< 0.50		20	
m&p-Xylene	ug/L	< 0.50	< 0.50		20	
Methyl-tert-butyl ether	ug/L	< 0.50	< 0.50		20	
Methylene Chloride	ug/L	<0.50	<0.50		20	
n-Butylbenzene	ug/L	< 0.50	<0.50		20	
n-Propylbenzene	ug/L	< 0.50	<0.50		20	

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.



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

SAMPLE DUPLICATE: 1293229 70213201005 Dup Max Parameter Units Result Result **RPD** RPD Qualifiers < 0.50 o-Xylene ug/L < 0.50 20 <0.50 p-Isopropyltoluene ug/L < 0.50 20 < 0.50 sec-Butylbenzene ug/L < 0.50 20 Styrene < 0.50 < 0.50 20 ug/L tert-Butylbenzene < 0.50 < 0.50 20 ug/L Tetrachloroethene ug/L 0.84 0.81 3 20 < 0.50 Toluene ug/L < 0.50 20 Total Trihalomethanes (Calc.) < 0.50 < 0.50 20 ug/L trans-1,2-Dichloroethene < 0.50 < 0.50 20 ug/L < 0.50 trans-1,3-Dichloropropene ug/L < 0.50 20 < 0.50 Trichloroethene ug/L < 0.50 20 < 0.50 Trichlorofluoromethane ug/L < 0.50 20 < 0.50 Vinyl chloride ug/L < 0.50 20 1,2-Dichlorobenzene-d4 (S) % 86 91 20 93 4-Bromofluorobenzene (S) % 91 20

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



NYAW-MERRICK OPS FACILITY Project:

Pace Project No.: 70213238

QC Batch: 255261

Analysis Method: EPA 522

QC Batch Method: EPA 522 Analysis Description: 522 MSS 1,4 Dioxane

Laboratory: Pace Analytical Services - Melville

70213238001, 70213238003, 70213238004 Associated Lab Samples:

METHOD BLANK: 1289718 Matrix: Drinking Water

Associated Lab Samples: 70213238001, 70213238003, 70213238004

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

LABORATORY CONTROL SAMPLE: 1289719

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers 1,4-Dioxane (p-Dioxane) 3.8 94 70-130 ug/L 1,4-Dioxane-d8 (S) 97 70-130 %

MATRIX SPIKE SAMPLE: 1289720 70213238001 Spike MS MS % Rec Parameter Units Result Conc. Result % Rec Limits Qualifiers 1.7 1,4-Dioxane (p-Dioxane) ug/L 5.3 91 70-130 E 1,4-Dioxane-d8 (S) % 96 70-130

SAMPLE DUPLICATE: 1289721

Date: 05/24/2022 03:15 PM

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

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



#### **QUALIFIERS**

Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

#### **ANALYTE QUALIFIERS**

Date: 05/24/2022 03:15 PM

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

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

(631)694-3040



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

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



Section B

Section A

# CHAIN-OF-CUSTODY / Analytic

The Chain-of-Custody is a LEGAL DOCUMENT.

WO#:70213238

Required Client Information: Section C Required Project Information: Invoice Information: KOMAN Government Solutions, LLC Report To: Robert Gregory Address: 180 Gordon Dr., Suite 110 Attention: Accounts Payable \_\_rage ; Of Copy To: NCDOH Company Name: KOMAN Government Solutions, LLC Exton, PA Email: RGregory@komanos.com Address: accountspayable@komangs.com Purchase Order #: 02607-005 Regulatory Agency Pace Quote: (810) 400-0636 Fex: Project Name: NYAW-MERRICK OPS FACILITY Requested Due Date: Pace Project Manager: Kimberiay, Mack@Pacelabs.com Project #: 02607-005 State / Location Page Profile # NY Requested Analysis Filtered (Y/N) velid codes to left) C=COMP) K MATRIXIC CODES COLLECTED Preservatives Drinking Water DWG BAMPLE TEMP AT COLLECTION (G=GRAB Waste WaterC WWD Product: PII SAMPLE ID Soil/Bull/C 8La by 524.2) Residual Chlorine (Y/N) START END One Character per box. Wiper Airc # OF CONTAINERS SAMPLE TYPE (A-Z, 0-8/, -)[ MATRIX CODE Unpreserved H2SO4 HNO3 Sample ids must be unique ME soc (vocs 모 TIME DATE TIME 1 GAC-3S/4S (Seaman Neck GAC Effluent) DW 643.22 -221830 x 2 GAC-3S/4S (Seaman Neck GAC Effluent)-D DW G 3.72 x X 3 Well 3A N-14347 (Influent) DW G 905 3.22 х X Well 4 N-09338 (Influent) DW G 3.22 9:20 x l х 5 6 7 8 9 10 11 12 ADDITIONAL CONSENTS RELINQUISHED BY / AFFILIATION DATE TERE ACCEPTED BY / AFFILIATION DATE SAMPLE CONDITIONS Page SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Randy Hoffmaster SIGNATURE of SAMPLER: 으 **DATE Signed:** 22

	Sa	ample	Condition	on Upo	n Rece	WO#:70	213238
Pace Analytical *	Client N	lame:			Project	PM: KMM	Due Date: 05/12/2
<i>f</i>		KG 5				CLIENT: KGS	
Courier: Fed Ex UPS USPS Client	Comm		Pace □the	er	: 1		
Tracking #:						/II:	
Custody Seal on Cooler/Box Present:	es No	Seals i	intact: 🗆 Ye	s No_E	N/A	Temperature Blank	Present: Yes No
Packing Material: Bubble Wrap Bubble						Type of Ice: (We)	Blue None
Thermometer Used: TH091			r: + 0.1				ing process has begun
Cooler Temperature(°C):			ture Correct		.5		its placed in freezer
Temp should be above freezing to 6.0°C		•				-	41
USDA Regulated Soil ( DN/A, water sample	·)			Date and	I Initials of pe	erson examining cont	ents: KW 13 12
Did samples originate in a quarantine zone w	ithin the U	nited Stat	es: AL, AR, CA	, FL, GA, ID,	LA, MS, NC,	Did samples orignate	e from a foreign source
NM, NY, OK, OR, SC, TN, TX, or VA (check map)?		s 🗆 No					Puerto Rico)? 🗆 Yes 🕱 No
If Yes to either question, fill out a Regulati		ecklist (f	-LI-C-010) a	nd include	with SCUR/C		
					1000.00 (Mar)	COMMENTS:	
Chain of Custody Present:	<b>⊠</b> Yes	□No		1.			
Chain of Custody Filled Out:	✓ Yes	□No		2			
Chain of Custody Relinquished:	<b>Z</b> Yes	□No		3.			
Sampler Name & Signature on COC:	∠Yes	□No	□N/A	4.			
Samples Arrived within Hold Time:	ZYes	□No		5.			
Short Hold Time Analysis (<72hr):	□Yes	₽No		6.			
Rush Turn Around Time Requested:	□Yes	₽No		7.			
Sufficient Volume: (Triple volume provided for	r I 🗹 Yes	□No		8.			
Correct Containers Used:	ZYes	□No		9.			
-Pace Containers Used:	⊠Yes	□No					
Containers Intact:	EXes	□No		10.			
Filtered volume received for Dissolved tests	□Yes	□No	EN/A	11.	Note if sedi	ment is visible in the di	ssolved container.
Sample Labels match COC:	Yes	□No		12.			
-Includes date/time/ID/ Matrix: SLWD	OIL						
All containers needing preservation have bee	pr⊡Yes	□No	□N/A	13.	□ HNO³	□H <sub>2</sub> SO <sub>4</sub> □NaOI	H 🗆 HCi
checked?							
pH paper Lot # LHG574							
All containers needing preservation are found				Sample #	#		
in compliance with method recommendation							
(HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide,	□Yes	□No	□N/A				
NAOH>12 Cyanide)							
Exceptions: VOA Coliform, TOC/DOC, Oil and G	rease,						
DRO/8015 (water).				Initial who	en completed:		Date/Time preservative
Per Method, VOA pH is checked after analysis			=,,,,	1,,		preservative:	added:
Samples checked for dechlorination:	⊡Yes	□No	DN/A	14.			
KI starch test strips Lot #					D111 - ( - D	011 : 04 4	
Residual chlorine strips Lot #			<b>∠</b> N1/A		Positive for Re	es. Chlorine? Y N	
SM 4500 CN samples checked for sulfide?	□Yes	□No	∕∆N/A	15.	D141 6 0	16.1-0 A M	
Lead Acetate Strips Lot #		read to		16.	Positive for Su	ılfide? Y N	
Headspace in VOA Vials ( >6mm):	□Yes	No	□N/A □N/A	17.			
Trip Blank Present: Trip Blank Custody Seals Present	□Yes			1/-			
Pace Trip Blank Lot # (if applicable):	□Yes	□No	<b>∠</b> N/A				
				Field Date	Da = 1 12	y / M	
Client Notification/ Resolution:				rielu Da(a	Required?	Y / N	
Person Contacted: Comments/ Resolution:					Date/Time:	,	
CONTINENTS/ NESOLUTION.							

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

# ATTACHMENT 2 QUARTERLY MIC ANALYTICAL RESULTS – Q2 2022





May 24, 2022

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

RE: Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

#### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC





(631)694-3040



**CERTIFICATIONS** 

Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Maryland Certification #: 208

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478

Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340

Virginia Certification # 460302



# **SAMPLE SUMMARY**

Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

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



# **SAMPLE ANALYTE COUNT**

Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70213238001	GAC-3S/4S (SEAMAN NECK GAC EFF	EPA 522	Al1	2
		EPA 524.2	KGG	62
70213238002	GAC-3S/4S (SEAMAN NECK GAC E-D	EPA 524.2	KGG	62
70213238003	WELL 3A N-14347 (INFLUENT)	EPA 522	Al1	2
		EPA 524.2	KGG	62
70213238004	WELL 4 N-09338 (INFLUENT)	EPA 522	AI1	2
		EPA 524.2	KGG	62

PACE-MV = Pace Analytical Services - Melville



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF	Lab ID:	<b>Lab ID: 70213238001</b> Collected: 05/03/22 08:30			Received: 05/	Received: 05/03/22 11:21 Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit DF	Prepared	Analyzed	CAS No.	Qual	
522 MSS 1,4 Dioxane (SIM)	-	Method: EPA 5		ation Method: EPA	522				
1,4-Dioxane (p-Dioxane)	1.7	ug/L	0.020	1	05/05/22 09:07	05/05/22 15:54	123-91-1		
Surrogates 1,4-Dioxane-d8 (S)	94	%	70-130	1	05/05/22 09:07	05/05/22 15:54			
524.2 MSV	•	Method: EPA 5							
Benzene	<0.50	ug/L	0.50	1		05/09/22 18:17	71-43-2		
Bromobenzene	<0.50	ug/L	0.50	1		05/09/22 18:17	108-86-1		
Bromochloromethane	<0.50	ug/L	0.50	1		05/09/22 18:17	74-97-5		
Bromodichloromethane	<0.50	ug/L	0.50	1		05/09/22 18:17	75-27-4		
Bromoform	<0.50	ug/L	0.50	1		05/09/22 18:17	75-25-2		
Bromomethane	<0.50	ug/L	0.50	1		05/09/22 18:17	74-83-9		
n-Butylbenzene	< 0.50	ug/L	0.50	1		05/09/22 18:17	104-51-8		
sec-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 18:17	135-98-8		
tert-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 18:17			
Carbon tetrachloride	<0.50	ug/L	0.50	1		05/09/22 18:17			
Chlorobenzene	<0.50	ug/L	0.50	1		05/09/22 18:17			
Chlorodifluoromethane	<0.50	ug/L	0.50	1		05/09/22 18:17	75-45-6	N3	
Chloroethane	< 0.50	ug/L	0.50	1		05/09/22 18:17	75-00-3		
Chloroform	< 0.50	ug/L	0.50	1		05/09/22 18:17	67-66-3		
Chloromethane	<0.50	ug/L	0.50	1		05/09/22 18:17			
2-Chlorotoluene	<0.50	ug/L	0.50	1		05/09/22 18:17			
4-Chlorotoluene	<0.50	ug/L	0.50	1		05/09/22 18:17	106-43-4		
Dibromochloromethane	< 0.50	ug/L	0.50	1		05/09/22 18:17	124-48-1		
Dibromomethane	<0.50	ug/L	0.50	1		05/09/22 18:17	74-95-3		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 18:17			
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 18:17	541-73-1		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 18:17			
Dichlorodifluoromethane	< 0.50	ug/L	0.50	1		05/09/22 18:17	75-71-8		
1,1-Dichloroethane	<0.50	ug/L	0.50	1		05/09/22 18:17			
1,2-Dichloroethane	<0.50	ug/L	0.50	1		05/09/22 18:17			
1,1-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 18:17			
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 18:17			
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 18:17	156-60-5		
1,2-Dichloropropane	< 0.50	ug/L	0.50	1		05/09/22 18:17			
1,3-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 18:17			
2,2-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 18:17			
1,1-Dichloropropene	<0.50	ug/L	0.50	1		05/09/22 18:17			
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1		05/09/22 18:17			
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1		05/09/22 18:17			
Ethylbenzene	<0.50	ug/L	0.50	1		05/09/22 18:17			
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50	1		05/09/22 18:17			
Isopropylbenzene (Cumene)	< 0.50	ug/L	0.50	1		05/09/22 18:17			
p-Isopropyltoluene	< 0.50	ug/L	0.50	1		05/09/22 18:17			



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: GAC-3S/4S (SEAMAN Lab ID: 70213238001 Collected: 05/03/22 08:30 Received: 05/03/22 11:21 Matrix: Drinking Water **NECK GAC EFF** Report Reg. Qual **Parameters** Results Units Limit Limit DF Prepared CAS No. Analyzed 524.2 MSV Analytical Method: EPA 524.2 Pace Analytical Services - Melville Methylene Chloride < 0.50 ug/L 0.50 05/09/22 18:17 75-09-2 Methyl-tert-butyl ether <0.50 ug/L 0.50 05/09/22 18:17 1634-04-4 0.50 n-Propylbenzene < 0.50 ug/L 1 05/09/22 18:17 103-65-1 ug/L Styrene < 0.50 0.50 1 05/09/22 18:17 100-42-5 1,1,1,2-Tetrachloroethane <0.50 ug/L 0.50 1 05/09/22 18:17 630-20-6 1,1,2,2-Tetrachloroethane <0.50 ug/L 0.50 1 05/09/22 18:17 79-34-5 Tetrachloroethene <0.50 ug/L 0.50 1 05/09/22 18:17 127-18-4 Toluene <0.50 ug/L 0.50 1 05/09/22 18:17 108-88-3 Total Trihalomethanes (Calc.) <0.50 ug/L 0.50 1 05/09/22 18:17 1,2,3-Trichlorobenzene <0.50 ug/L 0.50 1 05/09/22 18:17 87-61-6 1,2,4-Trichlorobenzene < 0.50 ug/L 0.50 1 05/09/22 18:17 120-82-1 1,1,1-Trichloroethane <0.50 ug/L 0.50 1 05/09/22 18:17 71-55-6 1,1,2-Trichloroethane <0.50 0.50 1 05/09/22 18:17 79-00-5 ug/L Trichloroethene < 0.50 ug/L 0.50 1 05/09/22 18:17 79-01-6 Trichlorofluoromethane < 0.50 ug/L 0.50 1 05/09/22 18:17 75-69-4 1,2,3-Trichloropropane < 0.50 ug/L 0.50 1 05/09/22 18:17 96-18-4 1,1,2-Trichlorotrifluoroethane < 0.50 0.50 N3 ug/L 1 05/09/22 18:17 76-13-1 05/09/22 18:17 95-63-6 1,2,4-Trimethylbenzene < 0.50 ug/L 0.50 1 05/09/22 18:17 108-67-8 1,3,5-Trimethylbenzene < 0.50 ug/L 0.50 1 05/09/22 18:17 75-01-4 Vinyl chloride < 0.50 ug/L 0.50 1 05/09/22 18:17 179601-23-1 m&p-Xylene <0.50 ug/L 0.50 1 o-Xylene < 0.50 ug/L 0.50 1 05/09/22 18:17 95-47-6 Surrogates 1,2-Dichlorobenzene-d4 (S) 92 % 70-130 05/09/22 18:17 2199-69-1 1 4-Bromofluorobenzene (S) 95 70-130 05/09/22 18:17 460-00-4 % 1



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Lab ID: 70213238002 Sample: GAC-3S/4S (SEAMAN Collected: 05/03/22 08:45 Received: 05/03/22 11:21 Matrix: Drinking Water **NECK GAC È-D** Report Reg. **Parameters** Results Units Limit Limit DF CAS No. Qual Prepared Analyzed 524.2 MSV Analytical Method: EPA 524.2 Pace Analytical Services - Melville Benzene < 0.50 ug/L 0.50 1 05/09/22 18:44 71-43-2 Bromobenzene 0.50 05/09/22 18:44 108-86-1 <0.50 ug/L 1 Bromochloromethane < 0.50 ug/L 0.50 1 05/09/22 18:44 74-97-5 Bromodichloromethane <0.50 0.50 1 05/09/22 18:44 75-27-4 ug/L Bromoform <0.50 0.50 1 05/09/22 18:44 75-25-2 ug/L Bromomethane <0.50 ug/L 0.50 1 05/09/22 18:44 74-83-9 n-Butylbenzene <0.50 ug/L 0.50 1 05/09/22 18:44 104-51-8 05/09/22 18:44 135-98-8 sec-Butylbenzene < 0.50 ug/L 0.50 1 05/09/22 18:44 98-06-6 tert-Butylbenzene <0.50 ug/L 0.50 1 Carbon tetrachloride <0.50 ug/L 0.50 1 05/09/22 18:44 56-23-5 Chlorobenzene < 0.50 ug/L 0.50 1 05/09/22 18:44 108-90-7 Chlorodifluoromethane <0.50 0.50 1 05/09/22 18:44 75-45-6 N3 ug/L 0.50 05/09/22 18:44 75-00-3 Chloroethane < 0.50 ug/L 1 Chloroform <0.50 ug/L 0.50 1 05/09/22 18:44 67-66-3 Chloromethane < 0.50 ug/L 0.50 1 05/09/22 18:44 74-87-3 2-Chlorotoluene < 0.50 ug/L 0.50 1 05/09/22 18:44 95-49-8 < 0.50 0.50 4-Chlorotoluene ug/L 1 05/09/22 18:44 106-43-4 05/09/22 18:44 124-48-1 Dibromochloromethane < 0.50 ug/L 0.50 1 Dibromomethane < 0.50 ug/L 0.50 1 05/09/22 18:44 74-95-3 1.2-Dichlorobenzene < 0.50 05/09/22 18:44 95-50-1 ug/L 0.50 1 1,3-Dichlorobenzene <0.50 ug/L 0.50 1 05/09/22 18:44 541-73-1 1,4-Dichlorobenzene < 0.50 ug/L 0.50 1 05/09/22 18:44 106-46-7 Dichlorodifluoromethane < 0.50 0.50 05/09/22 18:44 75-71-8 ug/L 1 1,1-Dichloroethane < 0.50 ug/L 0.50 1 05/09/22 18:44 75-34-3 1,2-Dichloroethane < 0.50 ug/L 0.50 05/09/22 18:44 107-06-2 1,1-Dichloroethene < 0.50 ug/L 0.50 1 05/09/22 18:44 75-35-4 cis-1,2-Dichloroethene <0.50 ug/L 0.50 05/09/22 18:44 156-59-2 1 trans-1,2-Dichloroethene < 0.50 0.50 1 05/09/22 18:44 156-60-5 ug/L 05/09/22 18:44 78-87-5 1,2-Dichloropropane < 0.50 0.50 1 ug/L 1,3-Dichloropropane < 0.50 1 05/09/22 18:44 142-28-9 ug/L 0.50 05/09/22 18:44 594-20-7 2,2-Dichloropropane < 0.50 ug/L 0.50 1 1,1-Dichloropropene <0.50 ug/L 0.50 1 05/09/22 18:44 563-58-6 cis-1,3-Dichloropropene < 0.50 ug/L 0.50 1 05/09/22 18:44 10061-01-5 trans-1,3-Dichloropropene 05/09/22 18:44 10061-02-6 < 0.50 ug/L 0.50 1 0.50 05/09/22 18:44 100-41-4 Ethylbenzene < 0.50 ug/L 1 Hexachloro-1,3-butadiene < 0.50 ug/L 0.50 1 05/09/22 18:44 87-68-3 Isopropylbenzene (Cumene) < 0.50 ug/L 0.50 1 05/09/22 18:44 98-82-8 <0.50 ug/L 0.50 05/09/22 18:44 99-87-6 p-Isopropyltoluene 1 Methylene Chloride <0.50 ug/L 0.50 05/09/22 18:44 75-09-2 1 Methyl-tert-butyl ether < 0.50 ug/L 0.50 1 05/09/22 18:44 1634-04-4 <0.50 0.50 n-Propylbenzene ug/L 1 05/09/22 18:44 103-65-1 <0.50 Styrene ug/L 0.50 1 05/09/22 18:44 100-42-5 1,1,1,2-Tetrachloroethane < 0.50 ug/L 0.50 1 05/09/22 18:44 630-20-6 1,1,2,2-Tetrachloroethane <0.50 ug/L 0.50 05/09/22 18:44 79-34-5



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: GAC-3S/4S (SEAMAN NECK GAC E-D	Lab ID:	70213238002	Collecte	Collected: 05/03/22 08:45		Received: 05/03/22 11:21		Matrix: Drinking Water	
			Report	Reg.					
Parameters	Results	Units	Limit	Limit	DF	Prepared	Analyzed	CAS No.	Qua
524.2 MSV	Analytical	Method: EPA 5	524.2						
	Pace Anal	ytical Services	- Melville						
Tetrachloroethene	<0.50	ug/L	0.50		1		05/09/22 18:44	127-18-4	
Toluene	<0.50	ug/L	0.50		1		05/09/22 18:44	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50		1		05/09/22 18:44		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		05/09/22 18:44	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50		1		05/09/22 18:44	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50		1		05/09/22 18:44	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50		1		05/09/22 18:44	79-00-5	
Trichloroethene	<0.50	ug/L	0.50		1		05/09/22 18:44	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		05/09/22 18:44	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		05/09/22 18:44	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		05/09/22 18:44	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		05/09/22 18:44	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		05/09/22 18:44	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		1		05/09/22 18:44	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		05/09/22 18:44	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		05/09/22 18:44	95-47-6	
Surrogates		-							
1,2-Dichlorobenzene-d4 (S)	85	%	70-130		1		05/09/22 18:44	2199-69-1	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/09/22 18:44	460-00-4	



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: WELL 3A N-14347 (INFLUENT)	Lab ID:	70213238003	Collecte	d: 05/03/22 09:05	Received: 05/	/03/22 11:21 N	latrix: Drinking	Water
Parameters	Results	Units	Report Limit	Reg. Limit DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)	Analytical	Method: EPA 5	22 Prepara	ation Method: EPA	522			
	Pace Ana	lytical Services	<ul> <li>Melville</li> </ul>					
1,4-Dioxane (p-Dioxane)	1.8	ug/L	0.020	1	05/05/22 09:07	05/05/22 16:26	5 123-91-1	
Surrogates								
1,4-Dioxane-d8 (S)	94	%	70-130	1	05/05/22 09:07	05/05/22 16:26	6	
524.2 MSV	•	Method: EPA 5 lytical Services						
Benzene	<0.50	ug/L	0.50	1		05/09/22 19:10	71-43-2	
Bromobenzene	<0.50	ug/L	0.50	1		05/09/22 19:10	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50	1		05/09/22 19:10	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	1		05/09/22 19:10	75-27-4	
Bromoform	<0.50	ug/L	0.50	1		05/09/22 19:10	75-25-2	
Bromomethane	<0.50	ug/L	0.50	1		05/09/22 19:10	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:10	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:10	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:10	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	1		05/09/22 19:10	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:10	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50	1		05/09/22 19:10	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50	1		05/09/22 19:10	75-00-3	
Chloroform	<0.50	ug/L	0.50	1		05/09/22 19:10	0 67-66-3	
Chloromethane	<0.50	ug/L	0.50	1		05/09/22 19:10	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50	1		05/09/22 19:10	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50	1		05/09/22 19:10	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	1		05/09/22 19:10	) 124-48-1	
Dibromomethane	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:10	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:10		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,1-Dichloroethane	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,2-Dichloroethane	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,1-Dichloroethene	0.68	ug/L	0.50	1		05/09/22 19:10		
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 19:10		
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,2-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,3-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 19:10		
2,2-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 19:10		
1,1-Dichloropropene	<0.50	ug/L	0.50	1		05/09/22 19:10		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1		05/09/22 19:10		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1		05/09/22 19:10		
Ethylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:10		
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50	1		05/09/22 19:10		
Isopropylbenzene (Cumene)	<0.50 <0.50	ug/L	0.50 0.50	1 1		05/09/22 19:10 05/09/22 19:10		
p-Isopropyltoluene	<0.50	ug/L	0.50	1		03/09/22 19:10	99-07-0	



#### **ANALYTICAL RESULTS**

Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: WELL 3A N-14347 Lab ID: 70213238003 Collected: 05/03/22 09:05 Received: 05/03/22 11:21 Matrix: Drinking Water (INFLUENT) Report Reg. Qual **Parameters** Results Units Limit Limit DF Prepared CAS No. Analyzed 524.2 MSV Analytical Method: EPA 524.2 Pace Analytical Services - Melville Methylene Chloride < 0.50 ug/L 0.50 05/09/22 19:10 75-09-2 Methyl-tert-butyl ether <0.50 ug/L 0.50 05/09/22 19:10 1634-04-4 <0.50 0.50 n-Propylbenzene ug/L 1 05/09/22 19:10 103-65-1 ug/L Styrene < 0.50 0.50 1 05/09/22 19:10 100-42-5 1,1,1,2-Tetrachloroethane <0.50 ug/L 0.50 1 05/09/22 19:10 630-20-6 1,1,2,2-Tetrachloroethane <0.50 ug/L 0.50 1 05/09/22 19:10 79-34-5 Tetrachloroethene <0.50 ug/L 0.50 1 05/09/22 19:10 127-18-4 05/09/22 19:10 108-88-3 Toluene <0.50 ug/L 0.50 1 Total Trihalomethanes (Calc.) <0.50 ug/L 0.50 1 05/09/22 19:10 1,2,3-Trichlorobenzene <0.50 ug/L 0.50 1 05/09/22 19:10 87-61-6 1,2,4-Trichlorobenzene < 0.50 ug/L 0.50 1 05/09/22 19:10 120-82-1 1,1,1-Trichloroethane <0.50 ug/L 0.50 1 05/09/22 19:10 71-55-6 1,1,2-Trichloroethane <0.50 0.50 1 05/09/22 19:10 79-00-5 ug/L Trichloroethene 27.3 ug/L 0.50 1 05/09/22 19:10 79-01-6 Trichlorofluoromethane <0.50 ug/L 0.50 1 05/09/22 19:10 75-69-4 1,2,3-Trichloropropane < 0.50 ug/L 0.50 1 05/09/22 19:10 96-18-4 1,1,2-Trichlorotrifluoroethane 0.77 0.50 05/09/22 19:10 76-13-1 N3 ug/L 1 1,2,4-Trimethylbenzene < 0.50 ug/L 0.50 1 05/09/22 19:10 95-63-6 1,3,5-Trimethylbenzene < 0.50 ug/L 0.50 1 05/09/22 19:10 108-67-8 05/09/22 19:10 75-01-4 Vinyl chloride < 0.50 ug/L 0.50 1 05/09/22 19:10 179601-23-1 m&p-Xylene <0.50 ug/L 0.50 1 o-Xylene < 0.50 ug/L 0.50 1 05/09/22 19:10 95-47-6 Surrogates 1,2-Dichlorobenzene-d4 (S) 88 % 70-130 05/09/22 19:10 2199-69-1 1 4-Bromofluorobenzene (S) 90 70-130 05/09/22 19:10 460-00-4 % 1



# **ANALYTICAL RESULTS**

Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: WELL 4 N-09338 (INFLUENT)	Lab ID:	70213238004	Collecte	d: 05/03/22 09:20	Received: 05/	03/22 11:21 M	atrix: Drinking	Water
Parameters	Results	Units	Report Limit	Reg. Limit DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)	•	Method: EPA 5	•	ation Method: EPA	522			
1,4-Dioxane (p-Dioxane)	1.7	ug/L	0.020	1	05/05/22 09:07	05/05/22 17:00	123-91-1	
Surrogates 1,4-Dioxane-d8 (S)	97	%	70-130	1	05/05/22 09:07	05/05/22 17:00		
524.2 MSV		Method: EPA 5						
Benzene	<0.50	ug/L	0.50	1		05/09/22 19:37	71-43-2	
Bromobenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50	1		05/09/22 19:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	1		05/09/22 19:37	75-27-4	
Bromoform	<0.50	ug/L	0.50	1		05/09/22 19:37	75-25-2	
Bromomethane	< 0.50	ug/L	0.50	1		05/09/22 19:37	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	104-51-8	
sec-Butylbenzene	< 0.50	ug/L	0.50	1		05/09/22 19:37	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	1		05/09/22 19:37	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	108-90-7	
Chlorodifluoromethane	< 0.50	ug/L	0.50	1		05/09/22 19:37	75-45-6	N3
Chloroethane	< 0.50	ug/L	0.50	1		05/09/22 19:37	75-00-3	
Chloroform	<0.50	ug/L	0.50	1		05/09/22 19:37	67-66-3	
Chloromethane	<0.50	ug/L	0.50	1		05/09/22 19:37		
2-Chlorotoluene	<0.50	ug/L	0.50	1		05/09/22 19:37	95-49-8	
4-Chlorotoluene	< 0.50	ug/L	0.50	1		05/09/22 19:37	106-43-4	
Dibromochloromethane	< 0.50	ug/L	0.50	1		05/09/22 19:37	124-48-1	
Dibromomethane	<0.50	ug/L	0.50	1		05/09/22 19:37	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:37		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:37		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1		05/09/22 19:37	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50	1		05/09/22 19:37	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	1		05/09/22 19:37		
1,1-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 19:37		
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 19:37		
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	1		05/09/22 19:37	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 19:37		
1,3-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 19:37		
2,2-Dichloropropane	<0.50	ug/L	0.50	1		05/09/22 19:37		
1,1-Dichloropropene	<0.50	ug/L	0.50	1		05/09/22 19:37		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1		05/09/22 19:37		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1		05/09/22 19:37		
Ethylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:37		
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50	1		05/09/22 19:37		
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50	1		05/09/22 19:37		
p-Isopropyltoluene	<0.50	ug/L	0.50	1		05/09/22 19:37		



# **ANALYTICAL RESULTS**

Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

Sample: WELL 4 N-09338 (INFLUENT)	Lab ID:	70213238004	Collected	d: 05/03/22 09:20	Received: 05	5/03/22 11:21 Ma	atrix: Drinking	Water
Parameters	Results	Units	Report Limit	Reg. Limit DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical	Method: EPA 5	524.2					
	Pace Ana	lytical Services	- Melville					
Methylene Chloride	<0.50	ug/L	0.50	1		05/09/22 19:37	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50	1		05/09/22 19:37	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	103-65-1	
Styrene	<0.50	ug/L	0.50	1		05/09/22 19:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1		05/09/22 19:37	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1		05/09/22 19:37	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	1		05/09/22 19:37	127-18-4	
Toluene	<0.50	ug/L	0.50	1		05/09/22 19:37	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	1		05/09/22 19:37		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1		05/09/22 19:37	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1		05/09/22 19:37	79-00-5	
Trichloroethene	4.0	ug/L	0.50	1		05/09/22 19:37	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50	1		05/09/22 19:37	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1		05/09/22 19:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50	1		05/09/22 19:37	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1		05/09/22 19:37	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	1		05/09/22 19:37	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50	1		05/09/22 19:37	179601-23-1	
o-Xylene	<0.50	ug/L	0.50	1		05/09/22 19:37	95-47-6	
Surrogates		-						
1,2-Dichlorobenzene-d4 (S)	87	%	70-130	1		05/09/22 19:37	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130	1		05/09/22 19:37	460-00-4	



Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

QC Batch: 255809 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70213238001, 70213238002, 70213238003, 70213238004

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

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

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

# **REPORT OF LABORATORY ANALYSIS**

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Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

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

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

LABORATORY CONTROL SAMPLE:	1292200					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.8	98	70-130	
1,1,1-Trichloroethane	ug/L	10	9.1	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	9.6	96	70-130	
1,1,2-Trichloroethane	ug/L	10	9.8	98	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	9.4	94	70-130 N	13
1,1-Dichloroethane	ug/L	10	9.4	94	70-130	
1,1-Dichloroethene	ug/L	10	9.0	90	70-130	
1,1-Dichloropropene	ug/L	10	8.9	89	70-130	
1,2,3-Trichlorobenzene	ug/L	10	9.8	98	70-130	
1,2,3-Trichloropropane	ug/L	10	10	100	70-130	
1,2,4-Trichlorobenzene	ug/L	10	9.6	96	70-130	
1,2,4-Trimethylbenzene	ug/L	10	9.0	90	70-130	
1,2-Dichlorobenzene	ug/L	10	10.2	102	70-130	
1,2-Dichloroethane	ug/L	10	9.9	99	70-130	
1,2-Dichloropropane	ug/L	10	9.6	96	70-130	
1,3,5-Trimethylbenzene	ug/L	10	8.4	84	70-130	
1,3-Dichlorobenzene	ug/L	10	10.3	103	70-130	
1,3-Dichloropropane	ug/L	10	9.2	92	70-130	

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Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

LABORATORY CONTROL SAMPLE:	1292200				_	
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
						Qualifiers
1,4-Dichlorobenzene	ug/L	10	10.2	102	70-130	
2,2-Dichloropropane	ug/L	10	8.9	89	70-130	
2-Chlorotoluene	ug/L	10	9.8	98	70-130	
4-Chlorotoluene	ug/L	10	9.8	98	70-130	
Benzene	ug/L	10	9.7	97	70-130	
Bromobenzene	ug/L	10	10.0	100	70-130	
Bromochloromethane	ug/L	10	9.7	97	70-130	
Bromodichloromethane	ug/L	10	9.8	98	70-130	
Bromoform	ug/L	10	10.0	100 97	70-130	
Bromomethane	ug/L	10	9.7 8.8	97 88	70-130	
Carbon tetrachloride	ug/L	10			70-130	
Chlorodiffuoromethone	ug/L	10	10.1	101	70-130	10
Chlorodifluoromethane Chloroethane	ug/L	10 10	7.4 9.4	74 94	70-130 N 70-130	NO
Chloroform	ug/L	10	9.4 9.6	94 96	70-130 70-130	
Chloromethane	ug/L	10	10.1	101	70-130 70-130	
cis-1,2-Dichloroethene	ug/L	10	9.3	93	70-130 70-130	
cis-1,3-Dichloropropene	ug/L	10	9.3 9.9	99	70-130 70-130	
Dibromochloromethane	ug/L ug/L	10	9.9	99	70-130 70-130	
Dibromomethane	ug/L ug/L	10	9.9	92	70-130	
Dichlorodifluoromethane	ug/L	10	9.2	92	70-130	
Ethylbenzene	ug/L	10	9.4	94	70-130	
Hexachloro-1,3-butadiene	ug/L	10	9.3	93	70-130	
Isopropylbenzene (Cumene)	ug/L	10	9.4	94	70-130	
m&p-Xylene	ug/L	20	18.9	94	70-130	
Methyl-tert-butyl ether	ug/L	10	10.8	108	70-130	
Methylene Chloride	ug/L	10	9.6	96	70-130	
n-Butylbenzene	ug/L	10	9.9	99	70-130	
n-Propylbenzene	ug/L	10	9.6	96	70-130	
o-Xylene	ug/L	10	9.8	98	70-130	
p-Isopropyltoluene	ug/L	10	9.2	92	70-130	
sec-Butylbenzene	ug/L	10	9.1	91	70-130	
Styrene	ug/L	10	8.9	89	70-130	
tert-Butylbenzene	ug/L	10	9.4	94	70-130	
Tetrachloroethene	ug/L	10	9.2	92	70-130	
Toluene	ug/L	10	9.8	98	70-130	
Total Trihalomethanes (Calc.)	ug/L		39.4			
trans-1,2-Dichloroethene	ug/L	10	9.3	93	70-130	
trans-1,3-Dichloropropene	ug/L	10	9.9	99	70-130	
Trichloroethene	ug/L	10	9.6	96	70-130	
Trichlorofluoromethane	ug/L	10	9.3	93	70-130	
Vinyl chloride	ug/L	10	8.8	88	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	

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Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

SAMPLE DUPLICATE: 1293229						
Б	11.5	70213201005	Dup	222	Max	0 ""
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	< 0.50	<0.50		20	
1,1,1-Trichloroethane	ug/L	< 0.50	< 0.50		20	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	< 0.50		20	
1,1,2-Trichloroethane	ug/L	<0.50	< 0.50		20	
1,1,2-Trichlorotrifluoroethane	ug/L	< 0.50	< 0.50		20	N3
1,1-Dichloroethane	ug/L	<0.50	< 0.50		20	
1,1-Dichloroethene	ug/L	< 0.50	< 0.50		20	
1,1-Dichloropropene	ug/L	< 0.50	< 0.50		20	
1,2,3-Trichlorobenzene	ug/L	< 0.50	< 0.50		20	
1,2,3-Trichloropropane	ug/L	< 0.50	< 0.50		20	
1,2,4-Trichlorobenzene	ug/L	<0.50	< 0.50		20	
1,2,4-Trimethylbenzene	ug/L	<0.50	< 0.50		20	
1,2-Dichlorobenzene	ug/L	< 0.50	< 0.50		20	
1,2-Dichloroethane	ug/L	< 0.50	< 0.50		20	
1,2-Dichloropropane	ug/L	< 0.50	< 0.50		20	
1,3,5-Trimethylbenzene	ug/L	< 0.50	< 0.50		20	
1,3-Dichlorobenzene	ug/L	< 0.50	< 0.50		20	
1,3-Dichloropropane	ug/L	<0.50	< 0.50		20	
1,4-Dichlorobenzene	ug/L	< 0.50	< 0.50		20	
2,2-Dichloropropane	ug/L	< 0.50	< 0.50		20	
2-Chlorotoluene	ug/L	< 0.50	< 0.50		20	
4-Chlorotoluene	ug/L	< 0.50	< 0.50		20	
Benzene	ug/L	< 0.50	< 0.50		20	
Bromobenzene	ug/L	< 0.50	< 0.50		20	
Bromochloromethane	ug/L	<0.50	< 0.50		20	
Bromodichloromethane	ug/L	<0.50	< 0.50		20	
Bromoform	ug/L	<0.50	< 0.50		20	
Bromomethane	ug/L	<0.50	< 0.50		20	
Carbon tetrachloride	ug/L	<0.50	< 0.50		20	
Chlorobenzene	ug/L	< 0.50	< 0.50		20	
Chlorodifluoromethane	ug/L	< 0.50	< 0.50		20	N3
Chloroethane	ug/L	< 0.50	< 0.50		20	
Chloroform	ug/L	< 0.50	< 0.50		20	
Chloromethane	ug/L	<0.50	< 0.50		20	
cis-1,2-Dichloroethene	ug/L	< 0.50	< 0.50		20	
cis-1,3-Dichloropropene	ug/L	< 0.50	< 0.50		20	
Dibromochloromethane	ug/L	< 0.50	< 0.50		20	
Dibromomethane	ug/L	< 0.50	< 0.50		20	
Dichlorodifluoromethane	ug/L	< 0.50	< 0.50		20	
Ethylbenzene	ug/L	< 0.50	< 0.50		20	
Hexachloro-1,3-butadiene	ug/L	< 0.50	< 0.50		20	
Isopropylbenzene (Cumene)	ug/L	<0.50	< 0.50		20	
m&p-Xylene	ug/L	<0.50	< 0.50		20	
Methyl-tert-butyl ether	ug/L	<0.50	< 0.50		20	
Methylene Chloride	ug/L	<0.50	<0.50		20	
n-Butylbenzene	ug/L	< 0.50	<0.50		20	
n-Propylbenzene	ug/L	< 0.50	<0.50		20	

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Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

SAMPLE DUPLICATE: 1293229 70213201005 Dup Max Parameter Units Result Result **RPD** RPD Qualifiers < 0.50 o-Xylene ug/L < 0.50 20 <0.50 p-Isopropyltoluene ug/L < 0.50 20 < 0.50 sec-Butylbenzene ug/L < 0.50 20 Styrene < 0.50 < 0.50 20 ug/L tert-Butylbenzene < 0.50 < 0.50 20 ug/L Tetrachloroethene ug/L 0.84 0.81 3 20 < 0.50 Toluene ug/L < 0.50 20 Total Trihalomethanes (Calc.) < 0.50 < 0.50 20 ug/L trans-1,2-Dichloroethene < 0.50 < 0.50 20 ug/L < 0.50 trans-1,3-Dichloropropene ug/L < 0.50 20 < 0.50 Trichloroethene ug/L < 0.50 20 < 0.50 Trichlorofluoromethane ug/L < 0.50 20 < 0.50 Vinyl chloride ug/L < 0.50 20 1,2-Dichlorobenzene-d4 (S) % 86 91 20 93 4-Bromofluorobenzene (S) % 91 20

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



NYAW-MERRICK OPS FACILITY Project:

Pace Project No.: 70213238

QC Batch: 255261

Analysis Method: EPA 522

QC Batch Method: EPA 522 Analysis Description: 522 MSS 1,4 Dioxane

Laboratory: Pace Analytical Services - Melville

70213238001, 70213238003, 70213238004 Associated Lab Samples:

METHOD BLANK: 1289718 Matrix: Drinking Water

Associated Lab Samples: 70213238001, 70213238003, 70213238004

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

LABORATORY CONTROL SAMPLE: 1289719

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers 1,4-Dioxane (p-Dioxane) 3.8 94 70-130 ug/L 1,4-Dioxane-d8 (S) 97 70-130 %

MATRIX SPIKE SAMPLE: 1289720 70213238001 Spike MS MS % Rec Parameter Units Result Conc. Result % Rec Limits Qualifiers 1.7 1,4-Dioxane (p-Dioxane) ug/L 5.3 91 70-130 E 1,4-Dioxane-d8 (S) % 96 70-130

SAMPLE DUPLICATE: 1289721

Date: 05/24/2022 03:15 PM

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

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



#### **QUALIFIERS**

Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

#### **ANALYTE QUALIFIERS**

Date: 05/24/2022 03:15 PM

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

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



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: NYAW-MERRICK OPS FACILITY

Pace Project No.: 70213238

Date: 05/24/2022 03:15 PM

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



Section B

Section A

# CHAIN-OF-CUSTODY / Analytic

The Chain-of-Custody is a LEGAL DOCUMENT.

WO#:70213238

Required Client Information: Section C Required Project Information: Invoice Information: KOMAN Government Solutions, LLC Report To: Robert Gregory Address: 180 Gordon Dr., Suite 110 Attention: Accounts Payable \_\_rage ; Of Copy To: NCDOH Company Name: KOMAN Government Solutions, LLC Exton, PA Email: RGregory@komanos.com Address: accountspayable@komangs.com Purchase Order #: 02607-005 Regulatory Agency Pace Quote: (810) 400-0636 Fex: Project Name: NYAW-MERRICK OPS FACILITY Requested Due Date: Pace Project Manager: Kimberiay, Mack@Pacelabs.com Project #: 02607-005 State / Location Page Profile # NY Requested Analysis Filtered (Y/N) velid codes to left) C=COMP) K MATRIXIC CODES COLLECTED Preservatives Drinking Water DWG BAMPLE TEMP AT COLLECTION (G=GRAB Waste WaterC WWD Product: PII SAMPLE ID Soil/Bull/C 8La by 524.2) Residual Chlorine (Y/N) START END One Character per box. Wiper Airc # OF CONTAINERS SAMPLE TYPE (A-Z, 0-8/, -)[ MATRIX CODE Unpreserved H2SO4 HNO3 Sample ids must be unique ME soc (vocs 모 TIME DATE TIME 1 GAC-3S/4S (Seaman Neck GAC Effluent) DW 643.22 -221830 x 2 GAC-3S/4S (Seaman Neck GAC Effluent)-D DW G 3.72 x X 3 Well 3A N-14347 (Influent) DW G 905 3.22 х X Well 4 N-09338 (Influent) DW G 3.22 9:20 x l х 5 6 7 8 9 10 11 12 ADDITIONAL CONSENTS RELINQUISHED BY / AFFILIATION DATE THE ACCEPTED BY / AFFILIATION DATE SAMPLE CONDITIONS Page SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Randy Hoffmaster SIGNATURE of SAMPLER: 으 **DATE Signed:** 22

	Sa	ample	Condition	on Upo	n Rece	WO#:70	213238
Pace Analytical *	Client N	lame:			Project	PM: KMM	Due Date: 05/12/2
<i>f</i>		KG 5				CLIENT: KGS	
Courier: Fed Ex UPS USPS Client	Comm		Pace □the	er	: 1		
Tracking #:						/II:	
Custody Seal on Cooler/Box Present:	es No	Seals i	intact: 🗆 Ye	s No_E	N/A	Temperature Blank	Present: Yes No
Packing Material: Bubble Wrap Bubble						Type of Ice: (We)	Blue None
Thermometer Used: TH091			r: + 0.1				ing process has begun
Cooler Temperature(°C):			ture Correct		.5		its placed in freezer
Temp should be above freezing to 6.0°C		•				-	41
USDA Regulated Soil ( DN/A, water sample	·)			Date and	I Initials of pe	erson examining cont	ents: KW 13 12
Did samples originate in a quarantine zone w	ithin the U	nited Stat	es: AL, AR, CA	, FL, GA, ID,	LA, MS, NC,	Did samples orignate	e from a foreign source
NM, NY, OK, OR, SC, TN, TX, or VA (check map)?		s 🗆 No					Puerto Rico)? 🗆 Yes 🕱 No
If Yes to either question, fill out a Regulati		ecklist (f	-LI-C-010) a	nd include	with SCUR/C		
					1000.00 (Mar)	COMMENTS:	
Chain of Custody Present:	<b>⊠</b> Yes	□No		1.			
Chain of Custody Filled Out:	✓Yes	□No		2			
Chain of Custody Relinquished:	<b>Z</b> Yes	□No		3.			
Sampler Name & Signature on COC:	∠Yes	□No	□N/A	4.			
Samples Arrived within Hold Time:	ZYes	□No		5.			
Short Hold Time Analysis (<72hr):	□Yes	₽No		6.			
Rush Turn Around Time Requested:	□Yes	₽No		7.			
Sufficient Volume: (Triple volume provided for	r I 🗹 Yes	□No		8.			
Correct Containers Used:	ZYes	□No		9.			
-Pace Containers Used:	⊠Yes	□No					
Containers Intact:	EXes	□No		10.			
Filtered volume received for Dissolved tests	□Yes	□No	EN/A	11.	Note if sedi	ment is visible in the di	ssolved container.
Sample Labels match COC:	Yes	□No		12.			
-Includes date/time/ID/ Matrix: SLWD	OIL						
All containers needing preservation have bee	pr⊡Yes	□No	□N/A	13.	□ HNO³	□H <sub>2</sub> SO <sub>4</sub> □NaOI	H 🗆 HCi
checked?							
pH paper Lot # LHG574							
All containers needing preservation are found				Sample #	#		
in compliance with method recommendation							
(HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide,	□Yes	□No	□N/A				
NAOH>12 Cyanide)							
Exceptions: VOA Coliform, TOC/DOC, Oil and G	rease,						
DRO/8015 (water).				Initial who	en completed:		Date/Time preservative
Per Method, VOA pH is checked after analysis			=,,,,	1,,		preservative:	added:
Samples checked for dechlorination:	⊡Yes	□No	DN/A	14.			
KI starch test strips Lot #					D111 - ( - D	011 : 04 4	
Residual chlorine strips Lot #		- N-	<b>∠</b> N1/A		Positive for Re	es. Chlorine? Y N	
SM 4500 CN samples checked for sulfide?	□Yes	□No	∕∆N/A	15.	D141 5 0	16.1-0 A M	
Lead Acetate Strips Lot #		read to		16.	Positive for Su	ılfide? Y N	
Headspace in VOA Vials ( >6mm):	□Yes	No	□N/A □N/A	17.			
Trip Blank Present: Trip Blank Custody Seals Present	□Yes			1/-			
Pace Trip Blank Lot # (if applicable):	□Yes	□No	<b>∠</b> N/A				
				Field Date	Da = 1 12	y / M	
Client Notification/ Resolution:				rielu Da(a	Required?	Y / N	
Person Contacted: Comments/ Resolution:					Date/Time:	,	
CONTINENTS/ NESOLUTION.							

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





May 19, 2022

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

RE: Project: BACT 5/17

Pace Project No.: 70214968

#### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC





# **CERTIFICATIONS**

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

#### Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208

Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340

Virginia Certification # 460302



# **SAMPLE SUMMARY**

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

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



# **SAMPLE ANALYTE COUNT**

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

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

PACE-MV = Pace Analytical Services - Melville



#### **ANALYTICAL RESULTS**

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

Date: 05/19/2022 12:28 PM

Sample: GAC-3S/4S-VESSEL#100-0 Lab ID: 70214968001 Collected: 05/17/22 06:35 Received: 05/17/22 10:45 Matrix: Drinking Water

Report Reg.

Parameters Results Units 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

05/17/22 18:25 05/18/22 12:25

(631)694-3040



**ANALYTICAL RESULTS** 

Project:	BACT 5/17
Pace Project No :	70214968

Date: 05/19/2022 12:28 PM

Absent

E.coli

Sample: GAC-3S/4S-VESSEL#100-2 Lab ID: 70214968002 Collected: 05/17/22 06:37 Received: 05/17/22 10:45 Matrix: Drinking Water Report Reg. **Parameters** Results Units Limit Limit DF CAS No. Prepared Analyzed Qual Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert **MBIO Total Coliform DW** Pace Analytical Services - Melville **Total Coliforms Absent** 05/17/22 18:25 05/18/22 12:25



#### **ANALYTICAL RESULTS**

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

Date: 05/19/2022 12:28 PM

Sample: GAC-3S/4S-VESSEL#100-5 Lab ID: 70214968003 Collected: 05/17/22 06:40 Received: 05/17/22 10:45 Matrix: Drinking Water

Report Reg.

Parameters Results Units 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

CAS No.

Analyzed

Qual



#### **ANALYTICAL RESULTS**

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

**Parameters** 

Sample: GAC-3S/4S-VESSEL#100-Lab ID: 70214968004 Collected: 05/17/22 06:45 Received: 05/17/22 10:45 Matrix: Drinking Water

10

Date: 05/19/2022 12:28 PM

Report Reg. Limit

DF

Prepared

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Limit

Pace Analytical Services - Melville

Units

Results

**Total Coliforms Absent** 05/17/22 18:25 05/18/22 12:25 E.coli **Absent** 05/17/22 18:25 05/18/22 12:25

CAS No.

Qual



#### **ANALYTICAL RESULTS**

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

Sample: GAC-3S/4S-VESSEL#100-Lab ID: 70214968005 Collected: 05/17/22 07:05 Received: 05/17/22 10:45 Matrix: Drinking Water

**MBIO Total Coliform DW** 

Date: 05/19/2022 12:28 PM

Report Reg.

Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

DF

Prepared

Results Units Limit **Parameters** Limit

Analyzed

Pace Analytical Services - Melville

**Total Coliforms Absent** 05/17/22 18:25 05/18/22 12:25 E.coli **Absent** 05/17/22 18:25 05/18/22 12:25



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

E.coli

**Total Coliforms** 

Date: 05/19/2022 12:28 PM

QC Batch: 257120 Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert Analysis Description: TotColDW MBIO Total Coliform

Laboratory: Pace Analytical Services - Melville

05/18/22 12:25

 $Associated\ Lab\ Samples: \quad 70214968001,\ 70214968002,\ 70214968003,\ 70214968004,\ 70214968005$ 

METHOD BLANK: 1298707 Matrix: Drinking Water

Associated Lab Samples: 70214968001, 70214968002, 70214968003, 70214968004, 70214968005

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Absent 05/18/22 12:25

Absent

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



#### **QUALIFIERS**

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

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 05/19/2022 12:28 PM



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

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

Date: 05/19/2022 12:28 PM

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



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

WO#:70214968 

Section	A d Client Information:	Section B Required F		t Infon	mation:					Secti Invoice	on C e Infom	mation	:								70	214	968		11 11			1		
Compan	KOMAN Government Solutions, LLC	Report To:	Step	hane	Roy					Attent			ount		A CONTRACTOR															
Address	180 Gordon Dr., Suite 110	Сору То:	DOH	1						Comp	any Na	ame:	KOM	IAN	Gove	emn	nent	Sol	utions	s, LL	REG	ULA	TORY	/ AG	ENC	1				
	Exton, PA								$\neg$	Addre	99;	acc	ounts	spay	able	@ko	omar	ngs.	.com		_	NPD	ES	ī-	GROL	JND \	WATE	R 🗸	DRINKIN	G WATER
Email To	sroy@komangs.com	Purchase C	Order I	No.:						Pace C Refere		000	1675	58							<u></u>	UST		phone and the same	RCRA	Α		F	OTHER	
	610-400-0622 Fax	Project Na	me:	NYA	W-MERF	RICK OF	S FACILI	TY	$\neg$	Pace F	roject	Stu	art M	lurre	all .						Site	Loca	ation				7			
	red Due Date/TAT:	Project Nur	mber:	0260	07-004				$\dashv$	Manag Pace F	er. Profile #:				_	_	_			$\neg$		STA	ATE:	_	NY		_   9			
				_	-				_	_		-	-		_		_	Re	eques	sted	Analy	-		ed (Y	/N)					
	Section D Valid Matrix C	`odes			-											7	₹T	T	T	T		T	П	Ì	Ť	П				
	Section D Valid Matrix C Required Client Information MATRIX DRINGING WATER	CODE DW	codes to left)	C=COMP)	_	COL	ECTED		_		<u> </u>	Pres	serva	tive.	s T T	4	N/A	N	4	╄	4	_	Н	4	+	Н				
	SAMPLE ID  (A-Z, 0-9 /,-)  Sample IDs MUST BE UNIQUE  TISSUE	WT WW P SL OL WP AR OT TS	CODE (see valld	TYPE (G=GRAB	COMPO		COMPO	SITE RAB	TEMP AT COLLECTION	CONTAINERS	srved			en en	, 0	- 1	'IS	(Fecal/Ecoli)									Residual Chlorine (Y/N)			
ITEM #			MATRIX	SAMPLE	DATE	ПМЕ	DATE	ТІМЕ	SAMPLE	# OF CC	Unpreserved H-SO.	HNO <sub>3</sub>	HC N	Na <sub>2</sub> S <sub>2</sub> O	Methanol	Other	<b></b> Analysis	Colilert									Residu	Pace	Project N	o./ Lab I.D.
1	GAC-3S/4S-Vessel#100-0		DW	G			1.17.22	6:35		1	Х				П	I		х			Ц			$\Box$		Ш	Ш			
2	GAC-3S/4S-Vessel#100-2		DW	G			-17:42	6:37		1	x	Ш			Ц			х		L	Ц		Ш	$\perp$	_	Ш	Ц			
3	GAC-3S/4S-Vessel#100-5		DW	G			17.22	6:40		1	X	Ш		$\perp$	Ц	Ц		х		1_	Ц			$\perp$	$\perp$	Ш	Щ			
4	GAC-3S/4S-Vessel#100-10		DW	G			17.72	6:45		1	X	Ц		_	Ц		1	х	_	1	Н	_	$\vdash$	$\dashv$	$\perp$	Н	Н			
5	GAC-3S/4S-Vessel#100-30		DW	G			5-17-12	7'05		1	X				Ц	_	Į.	X	_	1	Ц	_		Ц	_	Ш	Щ			
6			L							_	Н	$\perp$	4	1	Н	_	-	_	4	+	Н	_	-	$\vdash$	+	$\perp$	Н			
7										_	H	+	4	+	H	4	-	$\dashv$	-	+	Н	+	┾	H	+	+	H			
8			┞	_		_			L	_	₩	+	+	+	H	-	1	-	-	+-	Н	+	╁	$\vdash$	+	+	H			
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ge .						SAMPI	ER NAME			_	argent arms			_	_	_	_	_			-	-	_	-		4	ë	ved on Y/N)	tody Coal	S Inte
Page 13 of 15							PRINT Nar	ne of SAMF	-1	-	dy Ho	offma	1.01	m	Sh	- 1	- 1		ATE SI		_5	5-1	7.20	9	— 上	١,	Temp in °C	Received or Ice (Y/N)	Custody Sealed Coole (Y/N)	Samples Intact (Y/N)
2	"Important Note: By signing this form you are accepting	Pace's NET	30 day	payme	ent terms and	agreeing to	late charges of	f 1.5% per m	anth fo	or any is	nvoiced	not paid						V				_				F-,	ALL-C	1-020rev.	08, 12-Oct-	

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

WG9O Boz clear soil jar

WG40 4oz clear soil jar

Additional Comments

AG1A

(NH4CI)

**BP35** 

BP3R

BP1Z

BP1N BP1B 250mL Ammonlum Acetate

Na Thiosulfate Amber Bottle

250mL NH4SO4-NH4OH

1L NaOH, Zn Acetele

1L HNO3 plastic

	Sa	impie i	Johailic	iii Ohoi	WO#:	7021496	68
Pace Analytical "	Client Na				PM: KMM		: 05/24/22
		9S	(T).1		CLIENT: K		. 03/27/22
Courier: 🗆 Fed Ex 🗀 UPS 🗀 USPS 🔟 Client	t Domme	ercial 🗀	ace Dthe	21	OFTER!		
Capting #.				o No O	51 / A	Temperature Blank Pr	esent: Liyes 10
Custody Seal on Cooler/Box Present: \( \subseteq Y	es No	Seals in	itact: U Ye	SU NO		Type of Ice: Wet BI	
Packing Material: 🗀 Bubble Wrap 🗀 Bubbl	le Bags 🔲	Ziploc 🔎	Nous Mon	iei		Samples on ice, cooling	
Thermometer Used: TH091	Correcti	ion Factor	: + ().1			Date/Time 5035A kits	
Cooler Temperature(°C):	Cooler I	emperati	ure Correcti	eo( c):	0.7	natel time and a kits	praced in modesi
Temp should be above freezing to 6.0°C				Date and	Initials of nors	son examining content	51722 MB
USDA Regulated Soil ( 🗌 N/A, water sampl	ej					Did a constant of contents	and a foreign cource
Did samples originate in a quarantine zone v	within the U	nited State	es: AL, AR, CA	, FL, GA, IU,	LA, MS, NC,	Did samples orignate fr including Hawaii and Pu	om a roreign source
	12   Vo	c i ivio				including Hawaii and Pu	ierto kicoji — respaj n
NM, NY, UK, UR, SC, TN, TX, or VA (check map) If Yes to either question, fill out a Regula	ted Soil Ch	ecklist (F	-LI-C-010) a	nd include	with SCUR/CUI	COMMENTS:	
				1		COMMITTEN 13:	
Chain of Custody Present:	#Yes	□No		2.			
Chain of Custody Filled Out:	Mes	□No					
Chain of Custody Relinquished:	_DY'es	□No	-11/4	3.			
Sampler Name & Signature on COC:	Pres	□No	□N/A	4.			
Samples Arrived within Hold Time:	es			5.			
Short Hold Time Analysis (<72hr):	_ElYes	□No		6. 7.			
Rush Turn Around Time Requested:	□Yes	_D#6		8.			
Sufficient Volume: (Triple volume provided f		□No		9.		2	
Correct Containers Used:	∠EIYes	□No		5.			
-Pace Containers Used:	√⊒Yes	□No		10.			
Containers Intact:	∠et Yes	□No	-EIN/A	11.	Note if sedim	ent is visible in the diss	olved container.
Filtered volume received for Dissolved tests		□No	ZIN/A	12.	NOCE II SCOM	iche la vialia in the dias	
Sample Labels match COC:	) Difes	⊡No		16.			
-Includes date/time/ID, Matrix: SI W		□No	A/A	13.	□ HNO₃	□H <sub>z</sub> SO <sub>4</sub> □NaOH	□ HCI
All containers needing preservation have be	een Cyes		JAN/A	10.	203		
checked? pH paper Lot #							
All containers needing preservation are fou	ind to be			Sample	#		
in compliance with method recommendation	on?		,	1			
(HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide,	□Yes	□No	ÆN/A				
NAOH-12 Cyanide)							
Exceptions: VOA Coliform, TOC/DOC, Oil and	Grease,						1- 1
DRO/8015 (water).				Initial wh	nen completed:	Lot # of added	Date/Time preservativ
Per Method, VOA pH is checked after analys	sis			_		preservative:	added:
Samples checked for dechlorination:	□Yes	□No	_EN7A	14.			
KI starch test strips Lot #						0/1 2 0 1/ 1/	
Residual chlorine strips Lot #					Positive for Re	s. Chlorine? Y N	
SM 4500 CN samples checked for sulfide?	□Yes	□No	A/NG-	15.	D ::: [ - 0 1	ובין-ט א א	
Lead Acetate Strips Lot #				- 10	Positive for Sul	fide? Y N	
Headspace in VOA Vials ( >6mm):	□Yes			16.			
Trip Blank Present:	□Yes	□No	-EN/A	17.		1.6	
Trip Blank Custody Seals Present	□Yes	□No		1			
Pace Trip Blank Lot # (if applicable):				Cial d D	to Dogwies 12	Y / N	
Client Notification/ Resolution:				Field Da	ta Required?	•	
Person Contacted:					Date/Time:		
Comments/ Resolution:					0		
Till the second				_			

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





May 19, 2022

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

RE: Project: BACT 5/17

Pace Project No.: 70214967

#### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

**Enclosures** 

cc: Ericka Seiler, KOMAN Government Services, LLC





# **CERTIFICATIONS**

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

### Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208

Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340

Virginia Certification # 460302



# **SAMPLE SUMMARY**

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

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



# **SAMPLE ANALYTE COUNT**

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

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

PACE-MV = Pace Analytical Services - Melville



#### **ANALYTICAL RESULTS**

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

Date: 05/19/2022 12:27 PM

Sample: GAC-3S/4S-VESSEL#200-0 Lab ID: 70214967001 Collected: 05/17/22 07:15 Received: 05/17/22 10:45 Matrix: Drinking Water

Report Reg.

Parameters Results Units Limit 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



#### **ANALYTICAL RESULTS**

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

**MBIO Total Coliform DW** 

Date: 05/19/2022 12:27 PM

Sample: GAC-3S/4S-VESSEL#200-2 Lab ID: 70214967002 Collected: 05/17/22 07:17 Received: 05/17/22 10:45 Matrix: Drinking Water

Report Reg.

Parameters Results Units Limit Limit DF Prepared Analyzed CAS No. Qual

Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville



#### **ANALYTICAL RESULTS**

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

Date: 05/19/2022 12:27 PM

Sample: GAC-3S/4S-VESSEL#200-5 Lab ID: 70214967003 Collected: 05/17/22 07:20 Received: 05/17/22 10:45 Matrix: Drinking Water

Report Reg.

Parameters Results Units Limit 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

CAS No.

Analyzed

Qual



#### **ANALYTICAL RESULTS**

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

**Parameters** 

Sample: GAC-3S/4S-VESSEL#200-Lab ID: 70214967004 Collected: 05/17/22 07:25 Received: 05/17/22 10:45 Matrix: Drinking Water

Limit

10

Date: 05/19/2022 12:27 PM

Report Reg. Limit

DF

Prepared

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

Units

Results

**Total Coliforms Absent** 05/17/22 18:25 05/18/22 12:25 E.coli **Absent** 05/17/22 18:25 05/18/22 12:25

CAS No.

Analyzed

(631)694-3040

Qual



#### **ANALYTICAL RESULTS**

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

**Parameters** 

Sample: GAC-3S/4S-VESSEL#200-Lab ID: 70214967005 Collected: 05/17/22 07:45 Received: 05/17/22 10:45 Matrix: Drinking Water

Limit

Date: 05/19/2022 12:27 PM

Report Reg. Limit

DF

Prepared

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

Units

Results



#### **QUALITY CONTROL DATA**

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

**Total Coliforms** 

Date: 05/19/2022 12:27 PM

QC Batch: 257120 Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert Analysis Description: TotColDW MBIO Total Coliform

Laboratory: Pace Analytical Services - Melville

05/18/22 12:25

Associated Lab Samples: 70214967001, 70214967002, 70214967003, 70214967004, 70214967005

METHOD BLANK: 1298707 Matrix: Drinking Water

Associated Lab Samples: 70214967001, 70214967002, 70214967003, 70214967004, 70214967005

Blank Reporting

Absent

Parameter Units Result Limit Analyzed Qualifiers

E.coli Absent 05/18/22 12:25

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



#### **QUALIFIERS**

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

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 05/19/2022 12:27 PM



#### **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

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

Date: 05/19/2022 12:27 PM

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

# WO#:70214967

### **CHAIN-OF-CUSTODY / Analytical Request Document**

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

S 7													n:												P	age:			of	
Compan	y: KOMAN Government Solutions, LLC	Report To:	Step	ohane	Roy					Atten			cour		•					7					Home		-			
Address	180 Gordon Dr., Suite 110	Сору То:	DO	1						Comp	any N	ame:	KO	MAN	Gov	vem	men	t Sol	ution	s, LL	REG	ULA	TOR	Y AC	SENC	CY	_			
	Exton, PA			-				-		Addre									com	$\neg$		NPD		-			ר או ר	ER V	DRINKI	NG WATER
Email To	sroy@komangs.com	Purchase	Order	No.:						Pace (		00	0167	58							F	UST		F	RCF		J 11A		OTHER	
Phone:	610-400-0622 Fax:	Project Na	me:	NYA	W-MERI	RICK OF	S FACIL	ITY		Parce Propert Channel Mills and III amount								Site Location												
Request	ed Due Date/TAT:	Project Nu	ımber:	026	07-004						roille i	ŧ:											ATE:	Ŀ		IY	_			
_				_	~				-	-		_				_		Re	ques	ted /	Analy	/sis l	ilter	ed (	Y/N)					
	Section D Valid Matrix C Required Client Information MATRIX	CODE	€	Ē.		COLL	ECTED					Pre	serv	ativa	2.5	- 1	N/A	N												
	WATER WASTE WATER PRODUCT SOIL/SOI,ID OIL	DW WT WW P SL OL WP	(see valid codes to left)	(G=GRAB C=COMP)	COMPA STAR	оэле	COMPC ENO/G	PSITE RAB	COLLECTION	RS							$ \downarrow                                   $	cal/Ecoli)					Ī		Ì		Chlorine (Y/N)	sz sz	an salaan da	
ITEM #	(A-Z, 0-9 / ,-) AIR OTHER	AR OT TS	MATRIX CODE	SAMPLE TYPE (	DATE	TIME	DATE	ПМЕ	SAMPLE TEMP AT	# OF CONTAINERS	Unpreserved	HNO <sub>3</sub>	HC	Nach NasS.O.	Methanol	Other	Analysis Test	Colilert (Fecal/F									Residual Chlorin	Pace	Prolect N	lo./ Lab I.D.
1	GAC-3S/4S-Vessel#200-0		DW			- 3		7:15		1	x	┰		1	T	П	-	x	Ť	Ħ	十	十	П	$\dashv$	$\forall$	-			7 10,000	10.1 240 1.0.
2	GAC-3S/4S-Vessel#200-2		DW	G		5	17.22			1	x	T	$\Box$				ı	x	T	П			$\Box$	$\neg$	1	$\top$	П			
3	GAC-3S/4S-Vessel#200-5		DW	G				7:20		1	x	T	$\Box$		$\sqcap$		- 1	х	$\top$	П	┪	+	$\Box$	寸	$\neg$	1	П			
4	GAC-3S/4S-Vessel#200-10		DW	G		4		7:25		1	x				П		- 1	x		П		$\top$	$\Box$	$\neg$	$\top$	1	П			
5	GAC-3S/4S-Vesse##200-30		DW	G			عد در.			1	x			T	П		- 11	x		П	$\neg$	$\top$	$\sqcap$		$\top$	T	П			
6											П	T	П	Т	П	П	ı	T		П	$\neg$	1	П	$\neg$	$\top$	7	П			
7	will											П		1	П		Г			П	$\exists$			7			П			
В				$\Box$										T	П		Т					T	П	$\neg$	T	Т	П			
9							7.40								П								П					1		
10																				П			П		T		П			
11					3							Ш											П							
12												Ш																		
	ADDITIONAL COMMENTS		RELI	NQUIS	SHED BY /	AFFILIATI	ON	DATE		Π	ME			AC	CEP	TED	BY/	AFFII	LIATIO	N		DAT	Œ	TI	ME			SAMP	LE CONDIT	IONS
		1 Ken	ned	4	Home	1	S	17,22				10	M/n	11	V	N					E	5/17		10	·Ur	10	6.6	W	· /V	
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Pa		-							+		-	+						-			+	_	$\dashv$	-	-	+	$\dashv$		£	
ge .		Trible				SAMPLE	R NAME /	ND SIGNA	TUF	RE									-	-							, 1	Ę.	<u> </u>	t d
Page 13 of 15								e of SAMPL	1		у Но	ffmas	ter	7	-												Temp in °C	Received on Ice (Y/N)	Custody Sealed Cool (Y/N)	Samples Intact (Y/N)
"Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not										ocu	W dices n	ot paid	1.7.	30 day	ti vs.	٤			E Sigr /DD/Y		5.	17	20	2:	2				08, 12-Oct-	

	Gli	355			Plastic		Misc.
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic	SP5T	120mL Collform Na Thio
VG9C	40mL Ascorbic-HCI clear vial	AG3U	250mL unpres amber glass	8P3U	250mL unpreserved plastic	R	Terracore Kit
VG9H	40mL HCI clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
vG9S	40mL Sulfuire clear vial	AG1U	fliter unpres amber glass	BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
DG9T	40mL Na Thiosulfale vial	AG34	Ammonium CI 250mL bottle	BP4N	125mL HNO3 plastic	WGKU	Boz Unpreserved Jar
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	TEDL	Tedler Bag
DG6T	Na Thio 60mL Visi	AG2R	Na Sullite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG9S	Ammonium CI/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma	WP	Wipe
		AG1A	(NH4CI)	BP35	250mL Ammonium Acetate		
WG90	8oz clear soil jar			BP3R	250mL NH4SO4-NH4OH		
WG40	4oz clear soil jar			BP1Z	1L NaOH, Zn Acetate		
				BP1N	1L HNO3 plastic	J	
				BP1B	Na Thiosullate Amber Bottle	1	

BP1U	1C 1
BP3N'	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxlde
AG2U	500mL unpres amber glass

		_		_	_
· Can	alen	he	2	AP.	a N

	SOC	
DG9T	40mL Na Thio amber vial	2
DG9A	40mL Ascorbic acid vials	2
DG9Y	Citrate/Na Thiosullate 40mL	2
DG6T	Na Thiosullate 60mL vial	1
AG3U	250mL unpres amber glass	
AG3T	Na Thiosulfate 250mL bottle	
BP1B	Na Thiosullate Amber bottle	5
AG1T	Na Thiosultate 1L Amber	2
AG1A	(NH4CL)	2

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

Additional Comments

<i>(S)</i>	Sa	ample	Conditio	on Upi	on Receipt	WO#: 70	214967
Pace Analytical	Client N	lame:	0 1/11 0		Project 📑	PM: KMM	Due Date: 05/24/2
	Comm	occial [	////// Pace Dthe	er .		CLIENT: KGS	
Courier: Fed Ex UPS USPS Colient		erciai L	acc				
Tracking #:Custody Seal on Cooler/Box Present:Yo	(10	Coale in	tact: [] Yes	oN Da	ON/A	Temperature Blank	Present: OYes No
Custody Seal on Cooler/Box Present:	es Allino	Jioloe G	Mone CIDIL	her	C	Type of Ice: (We)	
Packing Material: Bubble Wrap Bubble	e Bays _	JZIPIOC J	: + 0.1		= [		ling process has begun
Thermometer Used: TH091	-Correct	tion ractor	re Correcti	ed(°C)-	カーフ	200000000000000000000000000000000000000	its placed in freezer
Cooler Temperature(°C): 0.6	- Coolei	remperaci	JIE COLIECG	cut of.	OFI	-	211
Temp should be above freezing to $6.0^{\circ}$ C USDA Regulated Soil ( $\square$ N/A, water sample	e)			Date a	nd Initials of per	son examining cont	
Did samples originate in a quarantine zone w	vithin the l	Jnited State	es: AL, AR, CA	, FL, GA, I	D, LA, MS, NC,	Did samples orignat	e from a foreign source
MM NV OV OD SC TN TV oc VA (check man)	2   Ye	os UNo				including Hawaii and	d Puerto Rīco]? ☐ Yes🎗 No
If Yes to either question, fill out a Regula	ted Soil Cl	necklist (F	-LI-C-010) a	nd inclu	de with SCUR/CO	C paperwork.	
						COMMENTS:	
Chain of Custody Present:	EVes	□No		1			
Chain of Custody Filled Out:	EYes	□No		2.			
Chain of Custody Relinquished:	-ElYes	□No		3.			
Sampler Name & Signature on COC:	∠eYes	□No	□N/A	4.			
Samples Arrived within Hold Time:	Mes	□No		5.			
Short Hold Time Analysis (<72hr):	Mes	□No		6.			
Rush Turn Around Time Requested:	□Yes	₽#fô		7.			
Sufficient Volume: (Triple volume provided for		□No		8.			
Correct Containers Used:	∠DYes	□No		g.			
-Pace Containers Used:	∠1Yes						
Containers Intact:	∠⊒Yes	□No		10.			
Filtered volume received for Dissolved tests		□No	-ØN/A	11.	Note if sedin	nent is visible in the d	lissolved container.
Sample Labels match COC:	→ D¥es	□No		12.		*	
-Includes date/time/ID/Matrix: SL(WT	1-			1			
All containers needing preservation have be		□No	D#√A	13.	□ HNO3	□H <sub>2</sub> SO <sub>4</sub> □NaC	OH HCI
checked?	0.1 2.11						
pH paper Lot #				1			
All containers needing preservation are four	nd to be			Samp	le#		
in compliance with method recommendatio	n?		/.				
(HNO3, H2SO4, HCI, NaOH>9 Sulfide,	□Yes	□No	-EN/A				
NAOH>12 Cyanide)				1			
Exceptions: VOA Coliform, DC/DOC, Oil and	Grease,					I	S + IT reconstitute
DRO/8015 (water).				Initial	when completed:		Date/Time preservative
Per Method, VOA pH is checked after analys	is			-		preservative:	added:
Samples checked for dechlorination:	□Yes	□No	_EN/A	14.			
KI starch test strips Lot #							
Residual chlorine strips Lot #				4	Positive for Re	es. Chlorine? Y N	
SM 4500 CN samples checked for sulfide?	□Yes	□No		15.		15.10	
Lead Acetate Strips Lot #			N Zama na z		Positive for Su	llfide? Y N	
Headspace in VOA Vials ( >6mm):	□Yes	□No	_DM/A	16.			
Trip Blank Present:	□Yes	□No	-BN/A	17.		15	
Trip Blank Custody Seals Present	□Yes	⊡No	.₽₩/A	i			
Pace Trip Blank Lot # (if applicable):				4			
Client Notification/ Resolution:				Field (	Data Required?	Y / 1	
Person Contacted:					Date/Time:		
					4		

ENV-FRM-MELV-0024 01

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





May 19, 2022

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

RE: Project: BACT 5/17

Pace Project No.: 70214969

#### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC





#### **CERTIFICATIONS**

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

#### Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208

Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340

Virginia Certification # 460302



#### **SAMPLE SUMMARY**

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

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



#### **SAMPLE ANALYTE COUNT**

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

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

PACE-MV = Pace Analytical Services - Melville

CAS No.

Analyzed

Qual



#### **ANALYTICAL RESULTS**

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

Parameters

Date: 05/19/2022 12:29 PM

Sample: N-08480(SEAMAN Lab ID: 70214969001 Collected: 05/17/22 09:05 Received: 05/17/22 10:45 Matrix: Drinking Water

Limit

NECK3WELL)-0

Results

Report Reg. Limit

DF

Prepared

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

Units



#### **ANALYTICAL RESULTS**

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

**MBIO Total Coliform DW** 

Date: 05/19/2022 12:29 PM

Sample: N-08480(SEAMAN Lab ID: 70214969002 Collected: 05/17/22 09:07 Received: 05/17/22 10:45 Matrix: Drinking Water

NECK3WELL)-2

Report Reg.

Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Parameters Results Units Limit

DF CAS No. Qual Limit Prepared Analyzed

Pace Analytical Services - Melville

CAS No.

Analyzed

Qual



#### **ANALYTICAL RESULTS**

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

Sample: N-08480(SEAMAN Lab ID: 70214969003 Collected: 05/17/22 09:10 Received: 05/17/22 10:45 Matrix: Drinking Water

Limit

NECK3WELL)-5

Parameters

**MBIO Total Coliform DW** 

Date: 05/19/2022 12:29 PM

Report Reg. Limit

Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

DF

Prepared

Pace Analytical Services - Melville

Units

Results



#### **ANALYTICAL RESULTS**

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

Date: 05/19/2022 12:29 PM

Sample: N-08480(SEAMAN Lab ID: 70214969004 Collected: 05/17/22 09:15 Received: 05/17/22 10:45 Matrix: Drinking Water

NECK3WELL)-10

Report Reg.

Parameters Results Units Limit Limit DF Prepared Analyzed CAS No. Qual

MBIO Total Coliform DW Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

 Total Coliforms
 Absent
 1
 05/17/22 18:25
 05/18/22 12:25

 E.coli
 Absent
 1
 05/17/22 18:25
 05/18/22 12:25

CAS No.

Analyzed

Qual



#### **ANALYTICAL RESULTS**

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

Parameters

Date: 05/19/2022 12:29 PM

Sample: N-08480(SEAMAN Lab ID: 70214969005 Collected: 05/17/22 09:35 Received: 05/17/22 10:45 Matrix: Drinking Water

Limit

NECK3WELL)-30

Report Reg. Limit

DF

Prepared

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

Units

Results

**Total Coliforms Absent** 05/17/22 18:25 05/18/22 12:25 E.coli **Absent** 05/17/22 18:25 05/18/22 12:25



#### **ANALYTICAL RESULTS**

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

**Parameters** 

Date: 05/19/2022 12:29 PM

Sample: N-08480(SEAMAN Lab ID: 70214969006 Collected: 05/17/22 09:37 Received: 05/17/22 10:45 Matrix: Drinking Water

NECK3WELL)-30-D

Report Reg. Results Units Limit DF CAS No. Qual Limit

Prepared

Analyzed

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville



#### **QUALITY CONTROL DATA**

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

Date: 05/19/2022 12:29 PM

QC Batch: 257120 Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert Analysis Description: TotColDW MBIO Total Coliform

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70214969001, 70214969002, 70214969003, 70214969004, 70214969005, 70214969006

METHOD BLANK: 1298707 Matrix: Drinking Water

Associated Lab Samples: 70214969001, 70214969002, 70214969003, 70214969004, 70214969005, 70214969006

Blank Reporting

ParameterUnitsResultLimitAnalyzedQualifiersE.coliAbsent05/18/22 12:25Total ColiformsAbsent05/18/22 12:25

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



#### **QUALIFIERS**

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

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

**RPD - Relative Percent Difference** 

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 05/19/2022 12:29 PM



#### **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

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

Date: 05/19/2022 12:29 PM

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



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

WO#:70214969

Section Require Compar	d Cilent Information:	Section B Required Proj Report To: St	_		_				Section C Invoice Information: Attention: Accounts Payable								70214969												
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Email T	,							Pace Quote 00016758 Reference:								L	UST RCR						;	OTHER					
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Reques	sted Dus Date/TAT:	Project Number	эг. 026	507-004					Pace Profile #:							STATE:					-								
		***													I		Req	ueste	d An	alysi	s Filte	red (	(Y/N)		300				
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2	N-08480 (Seaman Neck 3 Well)		_	-		17:22	7:07	_	1	X	4	$\vdash$	_	$\dashv$	_	-	×	H	_	Н	_	$\sqcup$	Н	4	Ш				
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5	N-08480 (Seaman Neck 3 Well)-		-	_		1722			1	IX.	4	Н	+	$\sqcup$	4	- 1-	×	Н	+	Ш	4	Н	Н	4	$\bot$				
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**BP1B** 

AG1T

AG1A (NH4CL)

Na Thiosulfate Amber bottle

Na Thiosultate 1L Amber

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	Sa	ample	Conditio	on Upon	MOH	:70	2149	69	
Pace Analytical®	Client N	lame:			WOT	. 1 6			/2A/22
/ Jacob William Constitution		GS -			PM: KMM		Due Dat	e: 05	24/22
Courier: Fed Ex UPS USPS, Client			Pace Dthe	er	CLIENT:	KGS			
Tracking #:		0 1	test DV-	el No la	/^	Temper	ature Blank Pr	esent-	□Yes □ No
Custody Seal on Cooler/Box Present: Ne	s No	Seals in	ILBCC TAG	o∟ NU LIN/			Ice: Wet Bli		
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Temp should be above freezing to 6.0°C				0-4 (-	itials of pac		nining content	.51	7 27 mtz
USDA Regulated Soil ( $\square$ N/A, water sample									
Did samples originate in a quarantine zone w NM, NY, OK, OR, SC, TN, TX, or VA [check map]?	)     \Vc	oc I INn				including	ples orignate from the property of the propert	om a rore erto Rico	ign source  ? D YesX No
If Yes to either question, fill out a Regulat	ed Soil Cf	necklist (F	-LI-C-010] a	and include w	ith Scur/cu	C paperv	WORK. OMMENTS:		
			-7-7-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	1		U	UMMENIS;		
Chain of Custody Present:	Ves	□No		2					
Chain of Custody Filled Out:	Mes	□No		3.					
Chain of Custody Relinquished:	_ElYes		□N/A	4.					
Sampler Name & Signature on COC:	Yes	□No	⊔N/A	5.					
Samples Arrived within Hold Time:	Mes			6.					
Short Hold Time Analysis (<72hr):	_ ElYes	□No		7.					
Rush Turn Around Time Requested:	□Yes	DNO DNO		8.					
Sufficient Volume: (Triple volume provided fo		□No		9.			15		
Correct Containers Used:	→ETYes →ETYes	□No							
-Pace Containers Used:				10.					
Containers Intact:	∠⊠Yes □Yes		-EN/A		Note if sedim	ent is vis	ible in the disso	lved con	ainer.
Filtered volume received for Dissolved tests			-LJIM K	12.			N		
Sample Labels match COC: -Includes date/time/ID/Matrix: SUWT		نابان							
All containers needing preservation have bee		□No	D#\A	13.	☐ HNO <sub>3</sub>	□H <sub>z</sub> SO <sub>4</sub>	□ NaOH	ΠH	CI
checked?				1					
pH paper Lot #									
All containers needing preservation are foun				Sample #					
in compliance with method recommendation			1.	1					
[HNO3. H2SO4. HCI, NaOH>9 Sulfide,	□Yes	□No	ÆN/A	1					
NAOH>12 Cyanide)									
Exceptions: VOA Coliform, DC/DOC, Oil and	Grease,			Initialban	n completed:	Lot # of	hohhe	Date/Ti	me preservative
DRO/8015 (water).				Initial wher	i compieted:	preserva		added:	ine produktativo
Per Method, VOA pH is checked after analysi			_EN7A	14.		Ihi coci ve	LIVE.	100000.	
Samples checked for dechlorination:	□Yes	□No	-UN/A	in.					
KI starch test strips Lot #				D	ositive for Re	s. Chlorio	e?YN		
Residual chlorine strips Lot #		□No	_EM/A	15.		., ., ., ., ., ., .,	••••		
SM 4500 CN samples checked for sulfide?	□Yes	CINO	-LIN/A	1	ositive for Sul	fide?	Y N		
Lead Acetate Strips Lot #	□Yes	□No	_BN/A	16.					
Headspace in VOA Vials ( >6mm):	□Yes		-DN/A	17.					
Trip Blank Present: Trip Blank Custody Seals Present	□Yes	□No	DH/A			×			
Pace Trip Blank Lot # (if applicable):		٥.٠٠	g*						
Client Notification/ Resolution:				Field Data	Required?		Y / N		
					-				
Person Contacted:  Comments/ Resolution:									
Continued Transactions				31					
F(									

ENV-FRM-MELV-0024 01

<sup>\*</sup> PM (Project Manager) review is documented electronically in LIMS.





May 20, 2022

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

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

#### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

**Enclosures** 

cc: Ericka Seiler, KOMAN Government Services, LLC



Melville, NY 11747 (631)694-3040



**CERTIFICATIONS** 

Project: BACT SERIES 5/18

Pace Project No.: 70215152

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208

Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340

Virginia Certification # 460302



#### **SAMPLE SUMMARY**

Project: BACT SERIES 5/18

Pace Project No.: 70215152

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



#### **SAMPLE ANALYTE COUNT**

Project: BACT SERIES 5/18

Pace Project No.: 70215152

Lab ID Sample ID Method Analysi	s Reported
70215152001 GAC-3S/4S-VESSEL#500-0 SM22 9223B Colilert SDO	
<b>70215152002 GAC-3S/4S-VESSEL#500-2</b> SM22 9223B Colilert SDO	2
<b>70215152003 GAC-3S/4S-VESSEL#500-5</b> SM22 9223B Colilert SDO	2
<b>70215152004 GAC-3S/4S-VESSEL#500-10</b> SM22 9223B Colilert SDO	2
<b>70215152005 GAC-3S/4S-VESSEL#500-30</b> SM22 9223B Colilert SDO	2

PACE-MV = Pace Analytical Services - Melville



#### **ANALYTICAL RESULTS**

Project: BACT SERIES 5/18

Pace Project No.: 70215152

Date: 05/20/2022 09:19 AM

Sample: GAC-3S/4S-VESSEL#500-0 Lab ID: 70215152001 Collected: 05/18/22 09:20 Received: 05/18/22 11:35 Matrix: Drinking Water

Report Reg.

Parameters Results Units Limit DF Prepared Analyzed CAS No. Qual

MBIO Total Coliform DW Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

 Total Coliforms
 Absent
 1
 05/18/22 17:50
 05/19/22 11:50

 E.coli
 Absent
 1
 05/18/22 17:50
 05/19/22 11:50



**ANALYTICAL RESULTS** 

Project: BACT SERIES 5/18

Pace Project No.: 70215152

Date: 05/20/2022 09:19 AM

Sample: GAC-3S/4S-VESSEL#500-2 Lab ID: 70215152002 Collected: 05/18/22 09:22 Received: 05/18/22 11:35 Matrix: Drinking Water

Report Reg.

Parameters Results Units Limit Limit DF Prepared Analyzed CAS No. Qual

MBIO Total Coliform DW Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

 Total Coliforms
 Absent
 1
 05/18/22 17:50
 05/19/22 11:50

 E.coli
 Absent
 1
 05/18/22 17:50
 05/19/22 11:50



#### **ANALYTICAL RESULTS**

Project: BACT SERIES 5/18

Pace Project No.: 70215152

Date: 05/20/2022 09:19 AM

Sample: GAC-3S/4S-VESSEL#500-5 Lab ID: 70215152003 Collected: 05/18/22 09:25 Received: 05/18/22 11:35 Matrix: Drinking Water

Report Reg.

Parameters Results Units Limit DF Prepared Analyzed CAS No. Qual

MBIO Total Coliform DW Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

 Total Coliforms
 Absent
 1
 05/18/22 17:50
 05/19/22 11:50

 E.coli
 Absent
 1
 05/18/22 17:50
 05/19/22 11:50

CAS No.

Analyzed

(631)694-3040

Qual



#### **ANALYTICAL RESULTS**

Project: **BACT SERIES 5/18** 

Pace Project No.: 70215152

**Parameters** 

Sample: GAC-3S/4S-VESSEL#500-Lab ID: 70215152004 Collected: 05/18/22 09:30 Received: 05/18/22 11:35 Matrix: Drinking Water

10

Date: 05/20/2022 09:19 AM

Report Reg. Limit

DF

Prepared

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Limit

Pace Analytical Services - Melville

Units

Results

**Total Coliforms Absent** 05/18/22 17:50 05/19/22 11:50 E.coli **Absent** 05/18/22 17:50 05/19/22 11:50

CAS No.

Analyzed

(631)694-3040

Qual



#### **ANALYTICAL RESULTS**

Project: **BACT SERIES 5/18** 

Pace Project No.: 70215152

**Parameters** 

Sample: GAC-3S/4S-VESSEL#500-Lab ID: 70215152005 Collected: 05/18/22 09:50 Received: 05/18/22 11:35 Matrix: Drinking Water

Date: 05/20/2022 09:19 AM

Report Reg. Limit

DF

Prepared

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Limit

Pace Analytical Services - Melville

Units

Results

**Total Coliforms Absent** 05/18/22 17:50 05/19/22 11:50 E.coli **Absent** 05/18/22 17:50 05/19/22 11:50



#### **QUALITY CONTROL DATA**

Project: BACT SERIES 5/18

Pace Project No.: 70215152

Date: 05/20/2022 09:19 AM

QC Batch: 257437 Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert Analysis Description: TotColDW MBIO Total Coliform

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70215152001, 70215152002, 70215152003, 70215152004, 70215152005

METHOD BLANK: 1299863 Matrix: Drinking Water

Associated Lab Samples: 70215152001, 70215152002, 70215152003, 70215152004, 70215152005

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

 E.coli
 Absent
 05/19/22 11:50

 Total Coliforms
 Absent
 05/19/22 11:50

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



#### **QUALIFIERS**

Project: BACT SERIES 5/18

Pace Project No.: 70215152

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 05/20/2022 09:19 AM



#### **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: BACT SERIES 5/18

Pace Project No.: 70215152

Date: 05/20/2022 09:19 AM

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

## WO#:70215152

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

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Company:	KOMAN Government Solutions, LLC	Report To	-	- 22	formation				_				rmati	lon:													B							
Address:	180 Gordon Dr., Suite 110	Copy To:		CDO	Gregory						lentio		Acc	ount	s Pay	able			_		_		-	_	_	Page: 1 Of 1								
	Exton, PA	осру то.	IN	CDO	п					Company Name: KOMAN Government Solutions, LLC														-										
Email: R	Gregory@komangs.com	Purchase	Purchase Order #: 02607-204										Address: accountspayable@komangs.com												-			-	-					
Phone:	(610) 400-0636 Fax;		Project Name: NYAW-MERRICK OPS FACILITY								Pace Quote: Pace Project Manager: Kimberlev.Mack@Pacelabs.c														-	-			Reg	Hatory	Agency		A NEW YORK	
Requested	Due Date:	Project #:		7-204	1 YAN-IAIE K	RICK OF	SFACIL	ΙΤΥ						ager:		Kim	beri	ey.i	Vlac	ck@	Pace	labs.	con	1	-		100	- F. T. T.	e.					
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Proce Apply tipal®	30	ampic	Corrarde		WO#: 702	215152
Pace Analytical "	Client N	ame:	2000	Projec	PM: KMM	Due Date: 05/25/2
/ /		VE	110/4/		CLIENT: KGS	Due Date: 05/25/2
Courier: _ Fed Ex _ UPS _ USPS _ Clier	nt Commi	ercial [	Pace Dthe	r	OLILAT. NOS	
Tracking #:						D 4 L Was a series
Custody Seal on Cooler/Box Present:	Yes No	Seals i	ntact: Yes	s No LN/A		Present: LIYESLINU
Packing Material: Bubble Wrap Bubb	ole Bags 📋	)Ziploc 🔎	Ztoue □nti	Jel	Type of Ice: Wey	
Thermometer Used: TH091	Correct	ion Facto	r + ().1		Samples on ice, cool	
Cooler Temperature(°C): 0,4	Cooler	Temperat	ure Correcti	ed(°C): 1, 0	Date/Time 5035A k	its placed in freezer
Temp should be above freezing to 6.0°C						-110102 (1)
USDA Regulated Soil ( \sum N/A, water samp	ole)			Date and Initials o	of person examining cont	ents: <b>5/1</b> (/ <b>VP 3</b> /1
Did samples originate in a quarantine zone	within the U	Inited Stat	es: AL, AR, CA	, FL, GA, ID, LA, MS, NO	), Did samples orignat	e from a foreign source
NIM NIV OV OD CC THE TV oc VA Schook man	12   12	nML   2			including Hawaii and	l Puerto Rico]? ☐ Yes🏹 No
If Yes to either question, fill out a Regula	ated Soil Ch	necklist (F	-LI-C-010) a	nd include with SCL	JR/COC paperwork.	
in 100 to office quositon, in our a region					COMMENTS:	
Chain of Custody Present:	Tes	□No		1.		
Chain of Custody Filled Out:	PYes	□No		2.		
Chain of Custody Relinquished:	ElYes	□No		3.		
Sampler Name & Signature on COC:	∠E¥es	□No	□N/A	4.		
Samples Arrived within Hold Time:	Yes			5.		
Short Hold Time Analysis (<72hr):	ElYes	□No		6		
Rush Turn Around Time Requested:	□Yes	_DM6		7.		
Sufficient Volume: (Triple volume provided		□No		8.		
Correct Containers Used:	∠EJYes	□No		9.		
-Pace Containers Used:	-DYes	□No				
Containers Intact:	∠eyYes	□No		10.		
Filtered volume received for Dissolved test	s □Yes	□No	-EN/A		sediment is visible in the d	issolved container,
Sample Labels match COC:	Difes	□No		12.		
-Includes date/time/ID, Matrix: SL(W				1		W 5 UO
All containers needing preservation have b	een □Yes	□No		13. □ HNO	<sub>3</sub> □H <sub>2</sub> SO <sub>4</sub> □NaO	OH □ HCI
checked?						
pH paper Lot #				Sample #		
All containers needing preservation are for				σοιτιρισ π		
in compliance with method recommendati	iour ⊟Yes	□No	ÆN/A			
(HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide,	Lites	LINO	201711			
NAOH>12 Cyanide) Exceptions: VOA Coliform, DOC/DOC, Oil and	d Grassa					
DRO/8015 (water).	1 016030,			Initial when compl	eted: Lot # of added	Date/Time preservative
Per Method, VOA pH is checked after analy	zio,			100000000000000000000000000000000000000	preservative:	added:
Samples checked for dechlorination:	□Yes	□No	_EN/A	14.		
KI starch test strips Lot #						
Residual chlorine strips Lot #				Positive 1	for Res. Chlorine? Y N	
SM 4500 CN samples checked for sulfide?	□Yes	□No	A/MG_	15.		
Lead Acetate Strips Lot #					for Sulfide? Y N	(4)
Headspace in VOA Vials ( >6mm):	□Yes	□No	_en/a	16.		
Trip Blank Present	□Yes	□No	-EN/A	17.	¥	
Trip Blank Custody Seals Present	□Yes	□No	AMOL			
Pace Trip Blank Lot # (if applicable):						
Client Notification/ Resolution:				Field Data Require		
Person Contacted:				Date/T	ime:	1
Comments/ Resolution:						

PM [Project Manager] review is documented electronically in LIMS





May 20, 2022

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

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

#### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC





#### **CERTIFICATIONS**

Project: BACT SERIES 5/18

Pace Project No.: 70215153

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208

Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340

Virginia Certification # 460302



#### **SAMPLE SUMMARY**

Project: BACT SERIES 5/18

Pace Project No.: 70215153

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



#### **SAMPLE ANALYTE COUNT**

Project: BACT SERIES 5/18

Pace Project No.: 70215153

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

PACE-MV = Pace Analytical Services - Melville

75 Broad Hollow Road Melville, NY 11747 (631)694-3040



#### **ANALYTICAL RESULTS**

Project: BACT SERIES 5/18

Pace Project No.: 70215153

Date: 05/20/2022 09:20 AM

Sample: GAC-3S/4S-VESSEL#600-0 Lab ID: 70215153001 Collected: 05/18/22 10:00 Received: 05/18/22 11:35 Matrix: Drinking Water

Report Reg.

Parameters Results Units 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

75 Broad Hollow Road Melville, NY 11747 (631)694-3040



#### **ANALYTICAL RESULTS**

Project: BACT SERIES 5/18

Pace Project No.: 70215153

Date: 05/20/2022 09:20 AM

Sample: GAC-3S/4S-VESSEL#600-2 Lab ID: 70215153002 Collected: 05/18/22 10:02 Received: 05/18/22 11:35 Matrix: Drinking Water

Report Reg.

Parameters Results Units 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



#### **ANALYTICAL RESULTS**

Project: BACT SERIES 5/18

Pace Project No.: 70215153

Date: 05/20/2022 09:20 AM

Sample: GAC-3S/4S-VESSEL#600-5 Lab ID: 70215153003 Collected: 05/18/22 10:05 Received: 05/18/22 11:35 Matrix: Drinking Water

Report Reg.

Parameters Results Units 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

CAS No.

Analyzed

(631)694-3040

Qual



#### **ANALYTICAL RESULTS**

Project: **BACT SERIES 5/18** 

Pace Project No.: 70215153

**Parameters** 

Sample: GAC-3S/4S-VESSEL#600-Lab ID: 70215153004 Collected: 05/18/22 10:10 Received: 05/18/22 11:35 Matrix: Drinking Water

Limit

10

Date: 05/20/2022 09:20 AM

Report Reg. Limit

DF

Prepared

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

Units

Results

**Total Coliforms Absent** 05/18/22 17:50 05/19/22 11:50 E.coli **Absent** 05/18/22 17:50 05/19/22 11:50



#### **ANALYTICAL RESULTS**

Project: BACT SERIES 5/18

Pace Project No.: 70215153

Sample: GAC-3S/4S-VESSEL#600- Lab ID: 70215153005 Collected: 05/18/22 10:30 Received: 05/18/22 11:35 Matrix: Drinking Water

30

Date: 05/20/2022 09:20 AM

Report Reg.

Parameters Results Units 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



#### **QUALITY CONTROL DATA**

Project: BACT SERIES 5/18

Pace Project No.: 70215153

Date: 05/20/2022 09:20 AM

QC Batch: 257437 Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert Analysis Description: TotColDW MBIO Total Coliform

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70215153001, 70215153002, 70215153003, 70215153004, 70215153005

METHOD BLANK: 1299863 Matrix: Drinking Water

Associated Lab Samples: 70215153001, 70215153002, 70215153003, 70215153004, 70215153005

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

 E.coli
 Absent
 05/19/22 11:50

 Total Coliforms
 Absent
 05/19/22 11:50

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



#### **QUALIFIERS**

Project: BACT SERIES 5/18

Pace Project No.: 70215153

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 05/20/2022 09:20 AM



#### **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: BACT SERIES 5/18

Pace Project No.: 70215153

Date: 05/20/2022 09:20 AM

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



WO#: 70215153

CHAIN-OF-CUSTODY / Analytical Req The Chain-of-Custody is a LEGAL DOCUMENT. All relevant Section A Section B Required Client Information: Section C Required Project Information: Company: KOMAN Government Solutions, LLC Invoice Information: Report To: Robert Gregory Address: 180 Gordon Dr., Suite 110 Attention: Accounts Payable Copy To: NCDOH

Page: Exton, PA Company Name: KOMAN Government Solutions, LLC Email: RGregory@komangs.com Address: Purchase Order#: 02607-204 Phone: (610) 400-0636 Pace Quote: Regulatory Agency Project Name: NYAW-MERRICK OPS FACILITY Requested Due Date: Pace Project Manager: Kimberley Mack@Pacelabs.com Project #: 02607-204 Pace Profile #: State / Location

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				Te	1						_					_			T	_	F	Reques	ted A	nalus	in File		N212 11			NY			
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Page 13 of 15						SA	MPLER N	AME AN	ID SIGNAT	URE							_	-	_	-		_		-	!	_		4					
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/ Pace Analytical "				P	MO# .	OLLO	
/ act Alialylical	Client Na	ame:	Ŷ.	P	PM · KMM	Due D	ate: 05/25/22
		MAN			CLIENT: KG		
Courier: Fed Ex UPS USPS Clier	it Comme	ercial L	ace Time		CPTEM: WA		
Tracking #:		Caala is	toot. [] Vos		180008	гациге вталк Рг	esent: LIYes No
Custody Seal on Cooler/Box Present:	res No	Sears II	Maca Cott	nor No P WA	Tyne n	f Ice: Wet B	lue None
Packing Material:   Bubble Wrap   Bubb	ile Bags 🗀	Zipioc 1	Jione Don	ICI			process has begun
Thermometer Used: TH <del>09</del> 1 182	Correcti	ion Factor	+ O.1	04(00)			placed in freezer
Cooler Temperature(°C): 6-9	Cooler 1	emperati	TLE COLLECT	eu( C)	Date/	וווופ טטטטא אונט	piacco ai ii cozo
Temp should be above freezing to 6.0°C					iala of paraga av	mining conton	to SUN 5/18/2
USDA Regulated Soil ( 🗖 N/A, water samp	ıle]						ts: SHR5/18/2
Did samples originate in a quarantine zone	within the U	nited State	es: AL, AR, CA	ı, FL, GA, 1D, LA, 1	AS, NC, Did sar	nples orignate fi	rom a foreign source
THE ANY ON OR OR THE TY WA Cabank made	l Vo	c I INn			HICHAR	ng Hawaii and Po	uerto Rico)? 🛮 Yes🎗 No
If Yes to either question, fill out a Regul	ated Soil Ch	ecklist (F	-LI-C-010) a	nd include wit	h SCUR/COC pape	rwork	
in 100 to office quoding in our office						COMMENTS:	
Chain of Custody Present:	ElYes	□No		l.			
Chain of Custody Filled Out:	DYes	□No		2.			
Chain of Custody Relinquished:	ElYes	□No		3.			
Sampler Name & Signature on COC:	∠⊟Yes	□No	□N/A	4.			
Samples Arrived within Hold Time:	eyes	□No		5.			
Short Hold Time Analysis (<72hr):	EYes	□No		6.			
Rush Turn Around Time Requested:	□Yes	_D#6		7.			
Sufficient Volume: (Triple volume provided		□No		8.			
Correct Containers Used:	_EIYes	□No		9.			
-Pace Containers Used:	<b>∠</b> DYes	□No					
Containers Intact:	∠E!Yes	□No		10.			
Filtered volume received for Dissolved test	ts 🗆 Yes	□No	-EIN/A		lote if sediment is v	isible in the diss	olved container.
Sample Labels match COC:	Difes	□No		12.			
-Includes date/time/ID/Matrix: SL(W	T DIL			i		- 4 04	D UCI
All containers needing preservation have b		□No	A/A	13.	JHNO <sub>3</sub> □H <sub>z</sub> S	O₄ □ NaOH	☐ HCI
checked?							
pH paper Lot #				Sample #	9		
All containers needing preservation are fo	und to be			Journage #			
in compliance with method recommendat		CIN O	-EIN/A				
(HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide,	□Yes	□No	الايام م				
NAOH>12 Cyanide)	10						
Exceptions: VOA Coliform, DC/DOC, Oil an	d Grease,			Initial when	completed: Lot #	of added	Date/Time preservative
DRO/8015 (water).	uata					vative:	added:
Per Method, VOA pH is checked after analy	ysis □Yes		_EN/A	14.	<del></del>		
Samples checked for dechlorination:	□162		20.4.				
KI starch test strips Lot #				Po	sitive for Res. Chlor	ine? Y N	
Residual chlorine strips Lot #	' □Yes	□No	_DM/A	15.			
SM 4500 CN samples checked for sulfide?				Po	sitive for Sulfide?	YN	
Lead Acetate Strips Lot # Headspace in VOA Vials ( >6mm):	□Yes	□No	_DN/A	16.			
Trip Blank Present:	□Yes	□No	-EM/A	17.			*
Trip Blank Custody Seals Present	□Yes	□No	DH/A				
Pace Trip Blank Lot # (if applicable):				-			
Client Notification/ Resolution:				Field Data R	equired?	Υ / Ν	
				1	Date/Time:		100
Person Contacted: Comments/ Resolution:							
Commondy Resolution.				-			
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ENV-FRM-MELV-0024 01

<sup>\*</sup> PM (Project Manager) review is documented electronically in LIMS.





May 20, 2022

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

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

#### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



Melville, NY 11747 (631)694-3040



**CERTIFICATIONS** 

Project: BACT SERIES 5/18

Pace Project No.: 70215155

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208

Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340

Virginia Certification # 460302



#### **SAMPLE SUMMARY**

Project: BACT SERIES 5/18

Pace Project No.: 70215155

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



#### **SAMPLE ANALYTE COUNT**

Project: BACT SERIES 5/18

Pace Project No.: 70215155

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

PACE-MV = Pace Analytical Services - Melville



#### **ANALYTICAL RESULTS**

Project: **BACT SERIES 5/18** 

Pace Project No.: 70215155

Sample: N-09338(SEAMAN NECK 4 Lab ID: 70215155001 Collected: 05/18/22 10:40 Received: 05/18/22 11:35 Matrix: Drinking Water

WELL)-0

Date: 05/20/2022 09:20 AM

Report Reg.

Parameters Results Units Limit DF CAS No. Qual Limit Prepared Analyzed

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

**Total Coliforms Absent** 05/18/22 17:50 05/19/22 11:50 E.coli **Absent** 05/18/22 17:50 05/19/22 11:50

CAS No.

Analyzed

(631)694-3040

Qual



#### **ANALYTICAL RESULTS**

Project: BACT SERIES 5/18

Pace Project No.: 70215155

Sample: N-09338(SEAMAN NECK 4 Lab ID: 70215155002 Collected: 05/18/22 10:42 Received: 05/18/22 11:35 Matrix: Drinking Water

WELL)-2

**MBIO Total Coliform DW** 

Date: 05/20/2022 09:20 AM

Report Reg.

Parameters Results Units Limit DF Prepared

Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert Pace Analytical Services - Melville



#### **ANALYTICAL RESULTS**

Project: **BACT SERIES 5/18** 

Pace Project No.: 70215155

Sample: N-09338(SEAMAN NECK 4 Lab ID: 70215155003 Collected: 05/18/22 10:45 Received: 05/18/22 11:35 Matrix: Drinking Water

WELL)-5

**MBIO Total Coliform DW** 

Date: 05/20/2022 09:20 AM

Report Reg.

Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Parameters Results Units Limit

DF CAS No. Qual Limit Prepared Analyzed

Pace Analytical Services - Melville

**Total Coliforms Absent** 05/18/22 17:50 05/19/22 11:50 E.coli **Absent** 05/18/22 17:50 05/19/22 11:50



#### **ANALYTICAL RESULTS**

Project: BACT SERIES 5/18

Pace Project No.: 70215155

Sample: N-09338(SEAMAN NECK 4 Lab ID: 70215155004 Collected: 05/18/22 10:50 Received: 05/18/22 11:35 Matrix: Drinking Water

WELL)-10

Date: 05/20/2022 09:20 AM

Report Reg.

Parameters Results Units Limit DF Prepared Analyzed CAS No. Qual

MBIO Total Coliform DW Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

 Total Coliforms
 Absent
 1
 05/18/22 17:50
 05/19/22 11:50

 E.coli
 Absent
 1
 05/18/22 17:50
 05/19/22 11:50



#### **ANALYTICAL RESULTS**

Project: BACT SERIES 5/18

Pace Project No.: 70215155

Sample: N-09338(SEAMAN NECK 4 Lab ID: 70215155005 Collected: 05/18/22 11:10 Received: 05/18/22 11:35 Matrix: Drinking Water

WELL)-30

Date: 05/20/2022 09:20 AM

Report Reg.

Report Re

Parameters Results Units Limit DF Prepared Analyzed CAS No. Qual

MBIO Total Coliform DW Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

 Total Coliforms
 Absent
 1
 05/18/22 17:50
 05/19/22 11:50

 E.coli
 Absent
 1
 05/18/22 17:50
 05/19/22 11:50

CAS No.

Analyzed

(631)694-3040

Qual



#### **ANALYTICAL RESULTS**

Project: **BACT SERIES 5/18** 

Pace Project No.: 70215155

Sample: N-09338(SEAMANNECK 4 Lab ID: 70215155007 Collected: 05/18/22 11:12 Received: 05/18/22 11:35 Matrix: Drinking Water

WELL)-30D

Date: 05/20/2022 09:20 AM

**Parameters** 

Report Reg. Limit

DF

Prepared

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Limit

Pace Analytical Services - Melville

Units

Results

**Total Coliforms Absent** 05/18/22 17:50 05/19/22 11:50 E.coli **Absent** 05/18/22 17:50 05/19/22 11:50



#### **QUALITY CONTROL DATA**

Project: BACT SERIES 5/18

Pace Project No.: 70215155

E.coli

**Total Coliforms** 

Date: 05/20/2022 09:20 AM

QC Batch: 257437 Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert Analysis Description: TotCoIDW MBIO Total Coliform

Laboratory: Pace Analytical Services - Melville

05/19/22 11:50

Associated Lab Samples: 70215155001, 70215155002, 70215155003, 70215155004, 70215155005, 70215155007

METHOD BLANK: 1299863 Matrix: Drinking Water

Associated Lab Samples: 70215155001, 70215155002, 70215155003, 70215155004, 70215155005, 70215155007

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Absent 05/19/22 11:50

Absent

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



#### **QUALIFIERS**

Project: BACT SERIES 5/18

Pace Project No.: 70215155

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 05/20/2022 09:20 AM



#### **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: BACT SERIES 5/18

Pace Project No.: 70215155

Date: 05/20/2022 09:20 AM

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

# WO#:70215155 70045455

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

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180 Gordon Dr., Suite 110 Copy To:		DOH						Con	npany		e: Ko				nent S	olut	ions,	LLC												
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Gregory/ekomangs.com Purchase C	nder #	<b>*</b> :	02807-20	04				Pac	e Que	ote:																				
(610) 400-0636 Fax Project Nat	ne:	NYA	AW-MERI	RICK OPS	S FACILI	ſΥ		Pac	e Pro	ject M	lanage	er.	Kin	berl	ey M	ack	OP.	gelo	bs.cor	n				-		Stat	te / Loca	ition		
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	MATRIX CODE	SAMPLE TYPE	DATE	T1145	DATE	7	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	ଛ   ଢ଼	NaOH	Na2S203	Methanol	윷	۷	Colilert (Fecal/Ecoli)		1	П	П	- 1		1	1	Residual Chlorine (Y/N)	į			
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N-09338 (Seaman Neck 4 Well)-0	DW	G	-	5		040	Н		Х	+	+	╁	$\vdash$	╁	Н		Х	Н	+	+	╁┼	+	+	╁	╁	Н	$\vdash$	_		7 1 10 10 10
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N-09338 (Seaman Neck 4 Well)-30	DW	G		5	18:22	11:10		1	х		+	L	L	L	Ц		х	Ц	4	$\perp$	Ц	1	1	Ļ						
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1 acci marytical	Client N	lame:	2Man	Projet	PM: KMM	Due Date: 05/25/22
		U Jeiese	Pace Other	)r	CLIENT: KGS	ode bate. 65/25/22
Courier: Fed Ex UPS USPS Client		isi cigi = [_	race Lyun	a!	OLILITI. ROS	
Tracking #:	- 10	Coole in	otact: 🗆 Ye	s No DN/A	Lemnerature F	Blank Present: Lite 180
Custody Seal on Cooler/Box Present:	S NO	Jeans II		her		Wey Blue None
Packing Material: Bubble Wrap Bubble	s Bags [	JZIPIOC /		1101		cooling process has begun
Thermometer Used: TH091	Correct	tion Factor	r: <u>+ O.l</u> ure Correct	odlect 1		5A kits placed in freezer
Cooler Temperature(°C):	Cooler	remperau	DIE COLLECT	eu( c).	Bate/ Time 303	SA Kits placed in 170020.
Temp should be above freezing to $6.0^{\circ}$ C USDA Regulated Soil ( $\square$ N/A, water sample					of person examining	
Did samples originate in a quarantine zone w	rithin the l	Jnited State	es: AL, AR, CA	I, FL, GA, ID, LA, MS, N	C, Did samples ori	gnate from a foreign source
MM MV OV OD SC THE TY ON WA Schook man)	) [ ] Yr	os □Nn			including Hawai	ii and Puerto Rico)? 🏻 Yes🗓 No
If Yes to either question, fill out a Regulat	ed Soil Cl	hecklist (F	-LI-C-010} a	and include with SC	UR/COC paperwork.	
					COMMEN	{TS:
Chain of Custody Present:	EVes	□No		1.		
Chain of Custody Filled Out:	_ eyes	□No		2.		
Chain of Custody Relinquished:	_ElYes	□No		3.		
Sampler Name & Signature on COC:	∠⊒Yes	□No	□N/A	4.		The state of the s
Samples Arrived within Hold Time:	<b>∠</b> es	□No		5.		
Short Hold Time Analysis (<72hr):	_ Eres	□No		6.		
Rush Turn Around Time Requested:	□Yes	_ <b>≥</b> Mô		7.		
Sufficient Volume: (Triple volume provided fo	r Lenyes	□No		8.		
Correct Containers Used:	-El Yes	□No		9.	180	
-Pace Containers Used:	-DYes			<u> </u>		
Containers Intact:	∠⊒Yes			10.		
Filtered volume received for Dissolved tests	□Yes		-EN/A		f sediment is visible in t	the dissolved container.
Sample Labels match COC:	\ Dayes	□No		12.	-	
-Includes date/time/ID; Matrix: SL(WT				17 01110	DII 60 E	ı NaOH ☐ HCI
All containers needing preservation have been	en ⊡Yes	□No		13. — HNC	) <sub>3</sub> □ H <sub>2</sub> SO <sub>4</sub> □	iNaOH □ HCl
checked?						
pH paper Lot # All containers needing preservation are four	nd to ba			Sample #	8	
in compliance with method recommendation						
(HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide,	 □Yes	□No	ÆN/A			
NAOH>12 Cyanide)						
Exceptions: VOA Coliform, DC/DOC, Oil and	Grease					
DRO/8015 (water).	0,0000,			Initial when comp	leted: Lot # of added	Date/Time preservative
Per Method, VOA pH is checked after analysi	is				preservative:	added:
Samples checked for dechlorination:	□Yes	□No	_EM7A	14.		
KI starch test strips Lot #				ř		
Residual chlorine strips Lot #					for Res. Chlorine? Y	٧
SM 4500 CN samples checked for sulfide?	□Yes	□No	A/MG-	15.		
Lead Acetate Strips Lot #					for Sulfide? Y I	1
Headspace in VOA Vials ( >6mm):	□Yes	□No	_DN/A	16.		
Trip Blank Present	□Yes	□No	-en/a	17.		
Trip Blank Custody Seals Present	□Yes	□No	A MIC.			
Pace Trip Blank Lot # (if applicable):				5.116	12	
Client Notification/ Resolution:				Field Data Require		N
				Date/		
Comments/ Resolution:						
	_					

ENV-FRM-MELV-0024 01

<sup>\*</sup>PM (Project Manager) review is documented electronically in LIMS.





May 25, 2022

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

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

#### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC





#### **CERTIFICATIONS**

Project: BACT SERIES 5/24

Pace Project No.: 70215759

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208

Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340

Virginia Certification # 460302



#### **SAMPLE SUMMARY**

Project: BACT SERIES 5/24

Pace Project No.: 70215759

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



## **SAMPLE ANALYTE COUNT**

Project: BACT SERIES 5/24

Pace Project No.: 70215759

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

PACE-MV = Pace Analytical Services - Melville





## **ANALYTICAL RESULTS**

Project: BACT SERIES 5/24

Pace Project No.: 70215759

Date: 05/25/2022 04:39 PM

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

Report Reg.

Parameters Results Units 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

75 Broad Hollow Road Melville, NY 11747 (631)694-3040



## **ANALYTICAL RESULTS**

Project: BACT SERIES 5/24

Pace Project No.: 70215759

Date: 05/25/2022 04:39 PM

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

Report Reg.

Parameters Results Units 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

575 Broad Hollow Road Melville, NY 11747 (631)694-3040



## **ANALYTICAL RESULTS**

Project: BACT SERIES 5/24

Pace Project No.: 70215759

Date: 05/25/2022 04:39 PM

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

Report Reg.

Parameters Results Units 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

CAS No.

Analyzed

Qual



## **ANALYTICAL RESULTS**

Project: BACT SERIES 5/24

Pace Project No.: 70215759

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

10

**MBIO Total Coliform DW** 

Date: 05/25/2022 04:39 PM

Report Reg.

Parameters Results Units Limit DF Prepared

Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

CAS No.

Analyzed

(631)694-3040

Qual



## **ANALYTICAL RESULTS**

Project: **BACT SERIES 5/24** 

Pace Project No.: 70215759

**Parameters** 

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

Date: 05/25/2022 04:39 PM

Report Reg. Limit

DF

Prepared

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Limit

Pace Analytical Services - Melville

Units

Results

**Total Coliforms Absent** 05/24/22 18:25 05/25/22 12:25 E.coli **Absent** 05/24/22 18:25 05/25/22 12:25



#### **QUALITY CONTROL DATA**

Project: BACT SERIES 5/24

Pace Project No.: 70215759

Date: 05/25/2022 04:39 PM

QC Batch: 258107 Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert Analysis Description: TotColDW MBIO Total Coliform

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70215759001, 70215759002, 70215759003, 70215759004, 70215759005

METHOD BLANK: 1303437 Matrix: Drinking Water

Associated Lab Samples: 70215759001, 70215759002, 70215759003, 70215759004, 70215759005

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

 E.coli
 Absent
 05/25/22 12:25

 Total Coliforms
 Absent
 05/25/22 12:25

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



#### **QUALIFIERS**

Project: BACT SERIES 5/24

Pace Project No.: 70215759

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 05/25/2022 04:39 PM



## **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: BACT SERIES 5/24

Pace Project No.: 70215759

Date: 05/25/2022 04:39 PM

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



# CHAIN-OF-CUSTODY / Analytical Request The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields

WO#:70215759

Section C Section B Section A Page: Invoice Information: Required Project Information: Required Client Information: Accounts Payable Attention: Robert Gregory KOMAN Government Solutions, LLC Company Name: KOMAN Government Solutions, LLC NCDOH Copy To: Address: 180 Gordon Dr., Suite 110 Regulatory Agency accountspayable@komangs.com Address Exton, PA Pace Quote: Purchase Order #: 02607-204 RGregory@komangs.com Email: State / Location Kimberley Mack@Pacelabs.com Pace Project Manager: NYAW-MERRICK OPS FACILITY Project Name: Phone: (610) 400-0636 NY Pace Profile # Project #: 02607-204 Requested Due Date: Requested Analysis Filtered (Y/N) valid codes to left) C=COMP) X Preservatives COLLECTED SAMPLE TEMP AT COLLECTION CODE Drinking Water D₩ Residual Chlorine (Y/N) WT (G=GRAB Waste Water ww **Analyses Test** Product P SL Colilert (Fecal/Ecoli) eee) **SAMPLE ID** Soil/Solid END START # OF CONTAINERS OL WP AR OT One Character per box. Wipe SAMPLE TYPE MATRIX CODE Unpreserved Na2S2O3 (A-Z, 0-9 / , -) Methanol H2S04 Sample Ids must be unique NaOH Other ITEM 모 TIME DATE TIME DATE 24.227:10 X GAC-3S/4S-Vessel#300-0 DW G 24.227:12 Х GAC-3S/4S-Vessel#300-2 DW G 2 24.22 7:15 DW G 3 GAC-3S/4S-Vessel#300-5 42422720 GAC-3S/4S-Vessel#300-10 DW G 4 534217:40 GAC-3S/4S-Vessel#300-30 DW G 5 6 7 8 10 11 12 SAMPLE CONDITIONS TIME DATE ACCEPTED BY / AFFILIATION RELINQUISHED BY / AFFILIATION TIME ADDITIONAL COMMENTS 9:10 2 2422 Pag SAMPLER NAME AND SIGNATURE Received on 9 PRINT Name of SAMPLER: Randy Hoffmaster DATE Signed: SIGNATURE of SAMPLER:

Sample Container Count

COC PAGE \_\_\_ •! \_\_\_

	Sa	mple C	Conditio	n Upon Rece	WO#:7021	5759
Pace Analytical *	_Client Na	ame:		Project	MOH . TOZ	ne Date: 06/01/22
	Oncorre				Lill: Din.	S Agran and
Courier: Fed Ex UPS USPS Ciclient	Comme	rcial 🗀	ace Dther		CLIENT: KGS	
¥						51.54
Tracking #: Custody Seal on Cooler/Box Present: \_Ye	s Mo	Seals in	tact: 🗆 Yes	□ No □N/A	remperature Blank Pr	resent: Lives No
Packing Material: Bubble Wrap Bubble	Baos □	Ziploc 🖂	tone 🗆 Oth	er	Type of Ice: We B	
Thermometer Used: THOS /88	Correcti	on Factor:	+ 0.1		Samples on ice, cooling	process has begun
	Cooler I	emperatu	re Correcte	ed(°C): /-3	Date/Time 5035A kits	placed in freezer
Cooler Temperature (°C): 1-2	-					11 -1 /
Temp should be above freezing to 6.0°C USDA Regulated Soil { □N/A, water sample	١			Date and Initials o	of person examining conten	ts: 3H 5/24/22
USDA REGUIATED SUIT [ DIV/A, Water Sample		aited State	c- AL AR CA	FL GA ID LA MS. NO	<ul> <li>Did samples orignate fr</li> </ul>	rom a toreign source
Did samples originate in a quarantine zone w	ithin the v	s 🗆 No	2. AL, AIC, ON,	, , , , , , , , , , , , , , , , , , , ,	including Hawaii and Pi	uerto Rico)? 🗆 Yes💢 No
NM, NY, OK, OR, SC, TN, TX, or VA (check map)?	YE:	S LIND	11 C 010} at	nd include with SCL	IR/COC paperwork	
If Yes to either question, fill out a Regulat	ed 2011 CH	ecklist (r-	-[1-0-010] ui	1	COMMENTS:	
	EYes	□No		1.		
Chain of Custody Present:		□No		2.		
Chain of Custody Filled Out:	es	□No		3.		
Chain of Custody Relinquished:	Pres		□N/A	4.		
Sampler Name & Signature on COC:	Yes		LIGA	5.		
Samples Arrived within Hold Time:	Yes			6.		
Short Hold Time Analysis (<72hr):	_EYes	700		7.		
Rush Turn Around Time Requested:	□Yes	_DMō		8.		
Sufficient Volume: (Triple volume provided fo	rles	No □No		9.	X	
Correct Containers Used:	→EYes			15,		
-Pace Containers Used:	√DYes_			10.		
Containers Intact:	∠ey es	□No	-EIN/A	11. Note if	sediment is visible in the diss	solved container.
Filtered volume received for Dissolved tests	□Yes		7311/1	12.	¥1	
Sample Labels match COC:	Yes					
-Includes date/time/ID/Matrix: SL(WT		□No	D#√A	13. 🗆 HNO	J <sub>3</sub> □H <sub>z</sub> SO <sub>4</sub> □NaOH	☐ HCI
All containers needing preservation have be	en Mes	١٧٥	2011,111			
checked? pH paper Lot #						
All containers needing preservation are four	nd to be			Sample #		
in compliance with method recommendatio	n?					
(HNO3, H2SO4, HCI, NaOH>9 Sulfide,	□Yes	□No	ÆN/A			
NAOH>12 Cyanide)						
Exceptions: VOA Coliform, TOC/DOC, Oil and	Grease,					Date/Time preservative
DRO/8015 (water).				Initial when comp	leted: Lot # of added	added:
Per Method, VOA pH is checked after analys	is				preservative:	Jauded.
Samples checked for dechlorination:	□Yes	□No	_EN7A	14.		
KI starch test strips Lot #				D = -165	for Don Chloring? V N	
Residual chlorine strips Lot #					for Res. Chlorine? Y N	
SM 4500 CN samples checked for sulfide?	□Yes	□No		15.	for Sulfide? Y N	
Lead Acetate Strips Lot #				16.	for Sulfide? Y N	
Headspace in VOA Vials ( >6mm):	□Yes	□No	PN/A	17.		
Trip Blank Present:	□Yes	□No	A/MB-	II.	*	
Trip Blank Custody Seals Present	□Yes	□No	A/A			
Pace Trip Blank Lot # (if applicable):				Field Data Requir	ed? Y / N	
Client Notification/ Resolution:				Data	Time:	
Person Contacted:						
Comments/ Resolution:						
	11-3-53-					

ENV-FRM-MELV-0024 01

<sup>\*</sup> PM (Project Manager) review is documented electronically in LIMS





May 25, 2022

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

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

## Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

Kimberley Mack.

kimberley.mack@pacelabs.com

(631)694-3040

Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



Melville, NY 11747 (631)694-3040



**CERTIFICATIONS** 

Project: BACT SERIES 5/24

Pace Project No.: 70215758

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747 Connecticut Certification #: PH-0435 Delaware Certification # NY 10478 Maryland Certification #: 208

Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350 Rhode Island Certification #: LAO00340

Virginia Certification # 460302



## **SAMPLE SUMMARY**

Project: BACT SERIES 5/24

Pace Project No.: 70215758

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



## **SAMPLE ANALYTE COUNT**

Project: BACT SERIES 5/24

Pace Project No.: 70215758

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

PACE-MV = Pace Analytical Services - Melville



## **ANALYTICAL RESULTS**

Project: BACT SERIES 5/24

Pace Project No.: 70215758

Date: 05/25/2022 04:39 PM

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

Report Reg.

Parameters Results Units 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



## **ANALYTICAL RESULTS**

Project: BACT SERIES 5/24

Pace Project No.: 70215758

Date: 05/25/2022 04:39 PM

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

Report Reg.

Parameters Results Units 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



## **ANALYTICAL RESULTS**

Project: BACT SERIES 5/24

Pace Project No.: 70215758

Date: 05/25/2022 04:39 PM

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

Report Reg.

Parameters Results Units 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

CAS No.

Analyzed

(631)694-3040

Qual



## **ANALYTICAL RESULTS**

Project: **BACT SERIES 5/24** 

Pace Project No.: 70215758

**Parameters** 

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

10

Date: 05/25/2022 04:39 PM

Report Reg. Limit

DF

Prepared

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Limit

Pace Analytical Services - Melville

Units

Results

**Total Coliforms Absent** 05/24/22 18:25 05/25/22 12:25 E.coli **Absent** 05/24/22 18:25 05/25/22 12:25

CAS No.

Analyzed

(631)694-3040

Qual



## **ANALYTICAL RESULTS**

Project: **BACT SERIES 5/24** 

Pace Project No.: 70215758

**Parameters** 

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

Limit

Date: 05/25/2022 04:39 PM

Report Reg. Limit

DF

Prepared

**MBIO Total Coliform DW** Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert

Pace Analytical Services - Melville

Units

Results

**Total Coliforms Absent** 05/24/22 18:25 05/25/22 12:25 E.coli **Absent** 05/24/22 18:25 05/25/22 12:25



#### **QUALITY CONTROL DATA**

Project: BACT SERIES 5/24

Pace Project No.: 70215758

Date: 05/25/2022 04:39 PM

QC Batch: 258107 Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert Analysis Description: TotCoIDW MBIO Total Coliform

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70215758001, 70215758002, 70215758003, 70215758004, 70215758005

METHOD BLANK: 1303437 Matrix: Drinking Water

Associated Lab Samples: 70215758001, 70215758002, 70215758003, 70215758004, 70215758005

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

 E.coli
 Absent
 05/25/22 12:25

 Total Coliforms
 Absent
 05/25/22 12:25

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



#### **QUALIFIERS**

Project: BACT SERIES 5/24

Pace Project No.: 70215758

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 05/25/2022 04:39 PM



## **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: BACT SERIES 5/24

Pace Project No.: 70215758

Date: 05/25/2022 04:39 PM

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



Section B

## CHAIN-OF-CUSTODY / Analytical Request Do The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields mus

Section C

WO#:70215758

Section A Page: Of Required Project Information: Invoice Information: Required Client Information: Accounts Pavable KOMAN Government Solutions, LLC Report To: Robert Gregory Company Name: KOMAN Government Solutions, LLC Address 180 Gordon Dr., Sulte 110 Copy To: NCDOH Regulatory Agency accountspayable@komangs.com Address: Pace Quote Purchase Order #: 02607-204 RGregory@komangs.com State / Location Kimberley, Mack@Pacelabs.com Pace Project Manager: Project Name: NYAW-MERRICK OPS FACILITY (610) 400-0636 NY Pace Profile #: Requested Due Date: Project #: 02607-204 Requested Analysis Filtered (Y/N) (see valid codes to left) C=COMP) K Preservatives COLLECTED <u>N</u> MATRIX CODE DW Drinking Water SAMPLE TEMP AT COLLECT (G=GRAB Water Residual Chlorine (Y/N) ww Weste Water **Analyses Test** Product Califert (Fecal/Ecoli) SAMPLE ID SL Soll/Solid START END # OF CONTAINERS OL WP One Character per box. Wipe MATRIX CODE Unpreserved AR (A-Z, 0-9 / , -) Methanol Other SAMPLE Sample lds must be unique HNO3 HCI NaOH ITEM TIME DATE TIME DATE 32422 GAC-3S/4S-Vessel#400-0 DW G 514.22 7:52 GAC-3S/4S-Vessel#400-2 DW 2 GAC-3S/4S-Vessel#400-5 DW 3 DW GAC-3S/4S-Vessel#400-10 24.22 GAC-3S/4S-Vessel#400-30 DVV 5 6 8 9 10 11 12 SAMPLE CONDITIONS DATE TIME ACCEPTED BY / AFFILIATION DATE RELINQUISHED BY / AFFILIATION ADDITIONAL COMMENTS SAMPLER NAME AND SIGNATURE 으 Received (Y/N)
Custody
Sealed
Cooler
(Y/N)
Samples
nitact
(Y/N) PRINT Name of SAMPLER Randy Hoffmaster SIGNATURE of SAMPLER:

	Sa	mple (	Conditio	in Upon Rec	toint	:70	215	758
Pace Analytical °	Client N	ame:		Proj	MU	+ 1 0	Z10	ate: 06/01/22
	Chenen	B1110.			PM: KI	111-	Due D	ate: oo/o
Courier: Fed Ex UPS USPS Client		ercial 🔘	ace 🗍 the	r	CLIEN	T: KGS		
Tracking #.								
Custody Seal on Cooler/Box Present: Yes	s INO	Seals in	tact: Yes	No NA	Te	mperature	Blank Pre	sent: Yes No
Packing Material:   Bubble Wrap   Bubble	Baos 🗆	Ziploc 🗸	yone Oth	ner		rpe of Ice: (		
Thermometer Used: THEST /38	Correct	ion Factor	: + 0.1					rocess has begun
Cooler Temperature(°C): /-2	Cooler	Temperati	ire Correcti	ed(°C): /-3	Da	ste/Time 50	35A kits pl	aced in freezer
Temp should be above freezing to 6.0°C	_							11 / /
USDA Regulated Soil [ \sum N/A, water sample]	1			Date and Initials	s of perso	n examining	contents	5H 5/24/27
doba Regulated Soli [	, thin tha II	nited State	S- AL AR CA	FL GA ID LA MS.	NC. Di	d samples oi	rignate fro	m a foreign source
Did samples originate in a quarantine zone wi	o sin nin ov 🗀	s $\square$ No	יט. אבן הנק טוי	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	in	cluding Hawa	aii and Pue	rto Rico)? 🗆 Yes🂢 No
NM, NY, OK, OR, SC, TN, TX, or VA (check map)? If Yes to either question, fill out a Regulate	H Coil Ch	s Livo socklist (F.	-U-C-010) a	nd include with S	CUR/COC	paperwork.		
If Yes to either question, fill out a Regulate	301 01	i) sensor	Li 0 010, 0	T		СОММЕ	NTS:	
Chain of Custody Deponds	Wes	□No		1.				
Chain of Custody Present:	eyes	□No		2.				
Chain of Custody Filled Out: Chain of Custody Relinquished:	EYes	□No		3.				
Sampler Name & Signature on COC:	Yes	□No	□N/A	4.				
Samples Arrived within Hold Time:	Ves	□No		5.				
Short Hold Time Analysis (<72hr):	_EYes			6.				
Rush Turn Around Time Requested:	□Yes	<b>₽</b> ₩6		7.				
Sufficient Volume: (Triple volume provided for		□No		8.				
Correct Containers Used:	-DYes	□No		9.				
-Pace Containers Used:	√DYes	□No						
Containers Intact:	∠eyes	□No		10.				
Filtered volume received for Dissolved tests	□Yes	□No	-EN/A		e if sedime	nt is visible in	the dissol	ved container.
Sample Labels match COC:	\ □Yes	□No		12.		3)		
-Includes date/time/ID, Matrix: SL(WT)								- UO
All containers needing preservation have bee	en ⊡Yes	□No	A/A	13. 🗆 H	VO <sub>3</sub> □	1H <sub>z</sub> SO₄	□ NaOH	☐ HCl
checked?								
pH paper Lot #				Sample #				
All containers needing preservation are foun				Solfipie #				
in compliance with method recommendation		□No	ÆN/A	1				
(HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide,	□Yes	UNU	حالا/ <i>د</i>					
NAOH>12 Cyanide)	Cranno							
Exceptions: VOA Coliform, TOC/DOC, Oil and (	orease,			Initial when con	npleted: L	ot # of adde	d	Date/Time preservative
DRO/8015 [water].	c					reservative:		added:
Per Method, VOA pH is checked after analysic Samples checked for dechlorination:	□Yes	□No	-ENTA	14.				
KI starch test strips Lot #	<u></u>			1				
Residual chlorine strips Lot #				Positi	ve for Res.	Chlorine? Y	N	
SM 4500 CN samples checked for sulfide?	□Yes	□No	_BM/A	15.				
Lead Acetate Strips Lot #					ve for Sulfi	de? Y	N	
Headspace in VOA Vials ( >6mm):	□Yes	□No	_ENT/A	16.				
Trip Blank Present:	□Yes	□No	-EN/A	17.				
Trip Blank Custody Seals Present	□Yes	□No	_DH/A					
Pace Trip Blank Lot # (if applicable):								
Client Notification/ Resolution:				Field Data Requ			/ N	
Person Contacted:				Dat	e/Time: _			
Comments/ Resolution:								
						-		
R								

ENV-FRM-MELV-0024 01

<sup>•</sup> PM (Project Manager) review is documented electronically in LIMS.