

9 January 2023

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

**Subject:** December 2022 Sampling Report

Full Scale Liquid-Phase Granular Activated Carbon Treatment System

Liberty New York Water, Seamans Neck Road Water Plant

**NWIRP Bethpage, New York** 

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

Dear Mr. Sokolowski,

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

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

# **Sampling Requirements**

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

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

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

# **December 2022 Sampling Summary**

# Monthly POC Sampling

On 5 December 2022 monthly POC samples were collected from the GAC system influent from Well No. 3A and Well No. 4S and the system effluent; a field duplicate and matrix spike / matrix spike duplicate (MS/MSD) from the system effluent were also collected. **Attachment 1** provides the analytical data report for POC samples collected in December 2022. **Table 1**, below, presents the trichloroethene (TCE) analytical results. TCE was not detected in the GAC effluent or GAC effluent duplicate samples. Results for TCE are in compliance with NCDH requirements.

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

| Date       | Well 3A Raw<br>[N-14347 (Seaman<br>Neck 3A Well)] | Well 4S Raw<br>[N-09338 (Seaman<br>Neck 4S Well)] | Effluent from GAC System [GAC-3S/4S (Seaman Neck GAC Effluent)] | Effluent from GAC System (Duplicate) [GAC-3S/4S (Seaman Neck GAC Effluent)-D] |
|------------|---|---|---|---|
| 12/05/2022 | 24.6  | 3.9   | ND  | ND  |

Notes:

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

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

#### Quarterly Microbiological (MIC) Sampling – 2022 Q4

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

On 6 December 2022, GAC #500 and GAC #600 were taken off-line for a minimum required 12-hour period prior to collecting the quarterly MIC samples. Well No. 3A was brought online to

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

On 11 December 2022, GAC #300 and GAC #400 were taken off-line for a minimum required 12-hour period prior to collecting the quarterly MIC samples. Well No. 4S and the other four GAC vessels continued to operate. Following the 12-hour shut-down, GAC #300 and GAC #400 were brought back on-line. Time sequenced MIC samples were collected from the GAC vessel effluents at 0, 2, 5, 10, and 30 minutes after restart of the GAC vessels on 12 December 2022. Analytical results are presented in **Attachment 2**. As indicated, *E. Coli* and Total Coliform were not present in any of these samples.

Please contact me at 610-400-0636 or <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 DECEMBER 2022





December 13, 2022

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

RE: Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

# Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

**Enclosures** 

cc: Ericka Seiler, KOMAN Government Services, LLC



Melville, NY 11747 (631)694-3040



CERTIFICATIONS

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Pace Analytical Services Long Island

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

Maryland Certification #: 208

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

New York Certification #: 10478 Primary Accrediting Body

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

Virginia Certification # 460302



# **SAMPLE SUMMARY**

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

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



# **SAMPLE ANALYTE COUNT**

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

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

PACE-MV = Pace Analytical Services - Melville



Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

| Sample: GAC-3S/4S (SEAMAN NECK GAC EFF | Lab ID:   | <b>Lab ID: 70238716001</b> Co        |                 |               | 10:10    | Received: 12/  | 05/22 14:13 M  | /22 14:13 Matrix: Drinking Water |      |  |
|--|-----------|--------------------------------------|-----------------|---------------|----------|----------------|----------------|----------------------------------|------|--|
| Parameters                             | Results   | Units                                | Report<br>Limit | Reg.<br>Limit | DF       | Prepared       | Analyzed       | CAS No.                          | Qual |  |
| 522 MSS 1,4 Dioxane (SIM)              | Analytica | l Method: EPA 5                      | 522 Prepara     | ation Method  | l: EPA : | 522            |                |                                  |      |  |
|  | Pace Ana  | alytical Services                    | - Melville      |               |          |                |                |                                  |      |  |
| 1,4-Dioxane (p-Dioxane)                | 1.9       | ug/L                                 | 0.020           |               | 1        | 12/07/22 07:55 | 12/07/22 15:55 | 123-91-1                         |      |  |
| Surrogates                             |           | -                                    |                 |               |          |                |                |                                  |      |  |
| 1,4-Dioxane-d8 (S)                     | 96        | %                                    | 70-130          |               | 1        | 12/07/22 07:55 | 12/07/22 15:55 |                                  |      |  |
| 524.2 MSV                              | •         | l Method: EPA 5<br>alytical Services |                 |               |          |                |                |                                  |      |  |
| Benzene                                | <0.50     | ug/L                                 | 0.50            | 5             | 1        |                | 12/12/22 11:17 | 71-43-2                          |      |  |
| Bromobenzene                           | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 108-86-1                         |      |  |
| Bromochloromethane                     | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 74-97-5                          |      |  |
| Bromodichloromethane                   | <0.50     | ug/L                                 | 0.50            | 80            | 1        |                | 12/12/22 11:17 | 75-27-4                          |      |  |
| Bromoform                              | <0.50     | ug/L                                 | 0.50            | 80            | 1        |                | 12/12/22 11:17 | 75-25-2                          |      |  |
| Bromomethane                           | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 74-83-9                          |      |  |
| n-Butylbenzene                         | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 104-51-8                         |      |  |
| sec-Butylbenzene                       | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 135-98-8                         |      |  |
| tert-Butylbenzene                      | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 98-06-6                          |      |  |
| Carbon tetrachloride                   | <0.50     | ug/L                                 | 0.50            | 5             | 1        |                | 12/12/22 11:17 | 56-23-5                          |      |  |
| Chlorobenzene                          | <0.50     | ug/L                                 | 0.50            | 100           | 1        |                | 12/12/22 11:17 | 108-90-7                         |      |  |
| Chlorodifluoromethane                  | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 75-45-6                          | N3   |  |
| Chloroethane                           | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 75-00-3                          |      |  |
| Chloroform                             | <0.50     | ug/L                                 | 0.50            | 80            | 1        |                | 12/12/22 11:17 | 67-66-3                          |      |  |
| Chloromethane                          | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 74-87-3                          |      |  |
| 2-Chlorotoluene                        | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 95-49-8                          |      |  |
| 4-Chlorotoluene                        | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 106-43-4                         |      |  |
| Dibromochloromethane                   | <0.50     | ug/L                                 | 0.50            | 80            | 1        |                | 12/12/22 11:17 | 124-48-1                         |      |  |
| Dibromomethane                         | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 74-95-3                          |      |  |
| 1,2-Dichlorobenzene                    | <0.50     | ug/L                                 | 0.50            | 600           | 1        |                | 12/12/22 11:17 | 95-50-1                          |      |  |
| 1,3-Dichlorobenzene                    | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 541-73-1                         |      |  |
| 1,4-Dichlorobenzene                    | <0.50     | ug/L                                 | 0.50            | 75            | 1        |                | 12/12/22 11:17 | 106-46-7                         |      |  |
| Dichlorodifluoromethane                | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 75-71-8                          |      |  |
| 1,1-Dichloroethane                     | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 75-34-3                          |      |  |
| 1,2-Dichloroethane                     | <0.50     | ug/L                                 | 0.50            | 5             | 1        |                | 12/12/22 11:17 | 107-06-2                         |      |  |
| 1,1-Dichloroethene                     | <0.50     | ug/L                                 | 0.50            | 7             | 1        |                | 12/12/22 11:17 | 75-35-4                          |      |  |
| cis-1,2-Dichloroethene                 | <0.50     | ug/L                                 | 0.50            | 70            | 1        |                | 12/12/22 11:17 | 156-59-2                         |      |  |
| trans-1,2-Dichloroethene               | <0.50     | ug/L                                 | 0.50            | 100           | 1        |                | 12/12/22 11:17 | 156-60-5                         |      |  |
| 1,2-Dichloropropane                    | <0.50     | ug/L                                 | 0.50            | 5             | 1        |                | 12/12/22 11:17 | 78-87-5                          |      |  |
| 1,3-Dichloropropane                    | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 142-28-9                         |      |  |
| 2,2-Dichloropropane                    | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 594-20-7                         |      |  |
| 1,1-Dichloropropene                    | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 |                                  |      |  |
| cis-1,3-Dichloropropene                | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 |                                  |      |  |
| trans-1,3-Dichloropropene              | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 10061-02-6                       |      |  |
| Ethylbenzene                           | <0.50     | ug/L                                 | 0.50            | 700           | 1        |                | 12/12/22 11:17 | 100-41-4                         |      |  |
| Hexachloro-1,3-butadiene               | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 87-68-3                          |      |  |
| Isopropylbenzene (Cumene)              | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 98-82-8                          |      |  |
| p-Isopropyltoluene                     | <0.50     | ug/L                                 | 0.50            |               | 1        |                | 12/12/22 11:17 | 99-87-6                          |      |  |



Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

| Sample: GAC-3S/4S (SEAMAN NECK GAC EFF | Lab ID:    | 70238716001     | Collecte        | d: 12/05/22   | 2 10:10 | Received: 12 | 2/05/22 14:13 Ma | atrix: Drinking | Water |
|--|------------|-----------------|-----------------|---------------|---------|--------------|------------------|-----------------|-------|
| Parameters                             | Results    | Units           | Report<br>Limit | Reg.<br>Limit | DF      | Prepared     | Analyzed         | CAS No.         | Qual  |
| 524.2 MSV                              | Analytical | Method: EPA 5   | 524.2           |               |         |              |                  |                 |       |
|  | Pace Anal  | ytical Services | - Melville      |               |         |              |                  |                 |       |
| Methylene Chloride                     | <0.50      | ug/L            | 0.50            | 5             | 1       |              | 12/12/22 11:17   | 75-09-2         |       |
| Methyl-tert-butyl ether                | <0.50      | ug/L            | 0.50            |               | 1       |              | 12/12/22 11:17   | 1634-04-4       |       |
| n-Propylbenzene                        | <0.50      | ug/L            | 0.50            |               | 1       |              | 12/12/22 11:17   | 103-65-1        |       |
| Styrene                                | <0.50      | ug/L            | 0.50            | 100           | 1       |              | 12/12/22 11:17   | 100-42-5        |       |
| 1,1,1,2-Tetrachloroethane              | <0.50      | ug/L            | 0.50            |               | 1       |              | 12/12/22 11:17   | 630-20-6        |       |
| 1,1,2,2-Tetrachloroethane              | <0.50      | ug/L            | 0.50            |               | 1       |              | 12/12/22 11:17   | 79-34-5         |       |
| Tetrachloroethene                      | <0.50      | ug/L            | 0.50            | 5             | 1       |              | 12/12/22 11:17   | 127-18-4        |       |
| Toluene                                | <0.50      | ug/L            | 0.50            | 1000          | 1       |              | 12/12/22 11:17   | 108-88-3        |       |
| Total Trihalomethanes (Calc.)          | <0.50      | ug/L            | 0.50            | 80            | 1       |              | 12/12/22 11:17   |                 |       |
| 1,2,3-Trichlorobenzene                 | <0.50      | ug/L            | 0.50            |               | 1       |              | 12/12/22 11:17   | 87-61-6         |       |
| 1,2,4-Trichlorobenzene                 | <0.50      | ug/L            | 0.50            | 70            | 1       |              | 12/12/22 11:17   | 120-82-1        |       |
| 1,1,1-Trichloroethane                  | <0.50      | ug/L            | 0.50            | 200           | 1       |              | 12/12/22 11:17   | 71-55-6         |       |
| 1,1,2-Trichloroethane                  | <0.50      | ug/L            | 0.50            | 5             | 1       |              | 12/12/22 11:17   | 79-00-5         |       |
| Trichloroethene                        | <0.50      | ug/L            | 0.50            | 5             | 1       |              | 12/12/22 11:17   | 79-01-6         |       |
| Trichlorofluoromethane                 | <0.50      | ug/L            | 0.50            |               | 1       |              | 12/12/22 11:17   | 75-69-4         |       |
| 1,2,3-Trichloropropane                 | <0.50      | ug/L            | 0.50            |               | 1       |              | 12/12/22 11:17   | 96-18-4         |       |
| 1,1,2-Trichlorotrifluoroethane         | <0.50      | ug/L            | 0.50            |               | 1       |              | 12/12/22 11:17   | 76-13-1         | N3    |
| 1,2,4-Trimethylbenzene                 | <0.50      | ug/L            | 0.50            |               | 1       |              | 12/12/22 11:17   | 95-63-6         |       |
| 1,3,5-Trimethylbenzene                 | <0.50      | ug/L            | 0.50            |               | 1       |              | 12/12/22 11:17   | 108-67-8        |       |
| Vinyl chloride                         | <0.50      | ug/L            | 0.50            | 2             | 1       |              | 12/12/22 11:17   | 75-01-4         |       |
| m&p-Xylene                             | <0.50      | ug/L            | 0.50            |               | 1       |              | 12/12/22 11:17   | 179601-23-1     |       |
| o-Xylene                               | <0.50      | ug/L            | 0.50            |               | 1       |              | 12/12/22 11:17   | 95-47-6         |       |
| Surrogates                             |            |                 |                 |               |         |              |                  |                 |       |
| 1,2-Dichlorobenzene-d4 (S)             | 94         | %               | 70-130          |               | 1       |              | 12/12/22 11:17   |                 |       |
| 4-Bromofluorobenzene (S)               | 87         | %               | 70-130          |               | 1       |              | 12/12/22 11:17   | 460-00-4        |       |



Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

| Sample: GAC-3S/4S (SEAMAN NECK GAC E-D | Lab ID:        | 70238716002      | Collecte        | d: 12/05/22   | 2 10:15 | Received: 12 | /05/22 14:13 I | Matrix: Drinking | Water |
|--|----------------|------------------|-----------------|---------------|---------|--------------|----------------|------------------|-------|
| Parameters                             | Results        | Units            | Report<br>Limit | Reg.<br>Limit | DF      | Prepared     | Analyzed       | CAS No.          | Qual  |
| 524.2 MSV                              | Analytical     | Method: EPA 5    | 24.2            |               |         |              |                |                  |       |
|  | Pace Ana       | lytical Services | - Melville      |               |         |              |                |                  |       |
| Benzene                                | <0.50          | ug/L             | 0.50            | 5             | 1       |              | 12/12/22 11:4  | 4 71-43-2        |       |
| Bromobenzene                           | <0.50          | ug/L             | 0.50            | ŭ             | 1       |              | 12/12/22 11:4  |                  |       |
| Bromochloromethane                     | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| Bromodichloromethane                   | <0.50          | ug/L             | 0.50            | 80            | 1       |              | 12/12/22 11:4  |                  |       |
| Bromoform                              | <0.50          | ug/L             | 0.50            | 80            | 1       |              | 12/12/22 11:4  |                  |       |
| Bromomethane                           | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| n-Butylbenzene                         | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| sec-Butylbenzene                       | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| tert-Butylbenzene                      | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| Carbon tetrachloride                   | <0.50          | ug/L             | 0.50            | 5             | 1       |              | 12/12/22 11:4  |                  |       |
| Chlorobenzene                          | <0.50          | ug/L             | 0.50            | 100           | 1       |              | 12/12/22 11:4  |                  |       |
| Chlorodifluoromethane                  | <0.50          | ug/L             | 0.50            | 100           | 1       |              | 12/12/22 11:4  |                  | N3    |
| Chloroethane                           | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  | 140   |
| Chloroform                             | <0.50          | ug/L             | 0.50            | 80            | 1       |              | 12/12/22 11:4  |                  |       |
| Chloromethane                          | <0.50          | ug/L             | 0.50            | 00            | 1       |              | 12/12/22 11:4  |                  |       |
| 2-Chlorotoluene                        | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| 4-Chlorotoluene                        | <0.50          | ug/L<br>ug/L     | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| Dibromochloromethane                   | <0.50<br><0.50 | •                | 0.50            | 80            | 1       |              | 12/12/22 11:4  |                  |       |
|  |                | ug/L             |                 | 00            | 1       |              | 12/12/22 11:4  | _                |       |
| Dibromomethane<br>1,2-Dichlorobenzene  | <0.50<br><0.50 | ug/L<br>ug/L     | 0.50<br>0.50    | 600           | 1       |              | 12/12/22 11:4  |                  |       |
|  | <0.50<br><0.50 | •                | 0.50            | 600           | 1       |              | 12/12/22 11:4  |                  |       |
| 1,3-Dichlorobenzene                    |                | ug/L             |                 | 75            | 1       |              |                |                  |       |
| 1,4-Dichlorobenzene                    | < 0.50         | ug/L             | 0.50            | 75            |         |              | 12/12/22 11:4  |                  |       |
| Dichlorodifluoromethane                | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| 1,1-Dichloroethane                     | <0.50          | ug/L             | 0.50            | _             | 1       |              | 12/12/22 11:4  |                  |       |
| 1,2-Dichloroethane                     | <0.50          | ug/L             | 0.50            | 5             | 1       |              | 12/12/22 11:4  |                  |       |
| 1,1-Dichloroethene                     | <0.50          | ug/L             | 0.50            | 7             | 1       |              | 12/12/22 11:4  |                  |       |
| cis-1,2-Dichloroethene                 | <0.50          | ug/L             | 0.50            | 70            | 1       |              | 12/12/22 11:4  |                  |       |
| trans-1,2-Dichloroethene               | <0.50          | ug/L             | 0.50            | 100           | 1       |              | 12/12/22 11:4  |                  |       |
| 1,2-Dichloropropane                    | <0.50          | ug/L             | 0.50            | 5             | 1       |              | 12/12/22 11:4  |                  |       |
| 1,3-Dichloropropane                    | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| 2,2-Dichloropropane                    | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| 1,1-Dichloropropene                    | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| cis-1,3-Dichloropropene                | <0.50          | ug/L             | 0.50            |               | 1       |              |                | 4 10061-01-5     |       |
| trans-1,3-Dichloropropene              | <0.50          | ug/L             | 0.50            | 700           | 1       |              |                | 4 10061-02-6     |       |
| Ethylbenzene                           | <0.50          | ug/L             | 0.50            | 700           | 1       |              | 12/12/22 11:4  |                  |       |
| Hexachloro-1,3-butadiene               | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| Isopropylbenzene (Cumene)              | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| p-Isopropyltoluene                     | <0.50          | ug/L             | 0.50            | _             | 1       |              | 12/12/22 11:4  |                  |       |
| Methylene Chloride                     | <0.50          | ug/L             | 0.50            | 5             | 1       |              | 12/12/22 11:4  |                  |       |
| Methyl-tert-butyl ether                | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| n-Propylbenzene                        | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| Styrene                                | <0.50          | ug/L             | 0.50            | 100           | 1       |              | 12/12/22 11:4  |                  |       |
| 1,1,1,2-Tetrachloroethane              | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  |                  |       |
| 1,1,2,2-Tetrachloroethane              | <0.50          | ug/L             | 0.50            |               | 1       |              | 12/12/22 11:4  | 4 79-34-5        |       |



Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

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



Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

| Sample: WELL 3A N-14347<br>(INFLUENT) | Lab ID:        | 70238716003     | Collected:   | 12/05/22    | 11:00 | Received: 12/  | 05/22 14:13 N  | latrix: 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 Preparati | ion Method: | EPA 5 | 522            |                |                  |       |
| , , ,                                 | -              | ytical Services |              |             |       |                |                |                  |       |
| 1,4-Dioxane (p-Dioxane)               | 2.3            | ug/L            | 0.020        |             | 1     | 12/07/22 07:55 | 12/07/22 16:29 | 123-91-1         |       |
| Surrogates<br>1,4-Dioxane-d8 (S)      | 97             | %               | 70-130       |             | 1     | 12/07/22 07:55 | 12/07/22 16:29 | )                |       |
| , ,                                   |                |                 |              |             | •     | 12/01/22 01:00 | 12/01/22 10.23 | ,                |       |
| 524.2 MSV                             | •              | Method: EPA 5   |              |             |       |                |                |                  |       |
|                                       |                | ytical Services | - Meiville   |             |       |                |                |                  |       |
| Benzene                               | <0.50          | ug/L            | 0.50         | 5           | 1     |                | 12/12/22 12:11 |                  |       |
| Bromobenzene                          | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 |                  |       |
| Bromochloromethane                    | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 |                  |       |
| Bromodichloromethane                  | <0.50          | ug/L            | 0.50         | 80          | 1     |                | 12/12/22 12:11 |                  |       |
| Bromoform                             | <0.50          | ug/L            | 0.50         | 80          | 1     |                | 12/12/22 12:11 | 75-25-2          |       |
| Bromomethane                          | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 | 74-83-9          |       |
| n-Butylbenzene                        | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 | 104-51-8         |       |
| sec-Butylbenzene                      | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 | 135-98-8         |       |
| tert-Butylbenzene                     | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 | 98-06-6          |       |
| Carbon tetrachloride                  | <0.50          | ug/L            | 0.50         | 5           | 1     |                | 12/12/22 12:11 | 56-23-5          |       |
| Chlorobenzene                         | <0.50          | ug/L            | 0.50         | 100         | 1     |                | 12/12/22 12:11 | 108-90-7         |       |
| Chlorodifluoromethane                 | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 | 75-45-6          | N3    |
| Chloroethane                          | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 | 75-00-3          |       |
| Chloroform                            | <0.50          | ug/L            | 0.50         | 80          | 1     |                | 12/12/22 12:11 | 67-66-3          |       |
| Chloromethane                         | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 | 74-87-3          |       |
| 2-Chlorotoluene                       | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 | 95-49-8          |       |
| 4-Chlorotoluene                       | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 | 106-43-4         |       |
| Dibromochloromethane                  | <0.50          | ug/L            | 0.50         | 80          | 1     |                | 12/12/22 12:11 | 124-48-1         |       |
| Dibromomethane                        | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 | 74-95-3          |       |
| 1,2-Dichlorobenzene                   | <0.50          | ug/L            | 0.50         | 600         | 1     |                | 12/12/22 12:11 | 95-50-1          |       |
| 1,3-Dichlorobenzene                   | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 | 541-73-1         |       |
| 1,4-Dichlorobenzene                   | <0.50          | ug/L            | 0.50         | 75          | 1     |                | 12/12/22 12:11 | 106-46-7         |       |
| Dichlorodifluoromethane               | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 | 75-71-8          |       |
| 1,1-Dichloroethane                    | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 | 75-34-3          |       |
| 1,2-Dichloroethane                    | <0.50          | ug/L            | 0.50         | 5           | 1     |                | 12/12/22 12:11 | 107-06-2         |       |
| 1,1-Dichloroethene                    | 0.61           | ug/L            | 0.50         | 7           | 1     |                | 12/12/22 12:11 | 75-35-4          |       |
| cis-1,2-Dichloroethene                | <0.50          | ug/L            | 0.50         | 70          | 1     |                | 12/12/22 12:11 |                  |       |
| trans-1,2-Dichloroethene              | <0.50          | ug/L            | 0.50         | 100         | 1     |                | 12/12/22 12:11 |                  |       |
| 1,2-Dichloropropane                   | <0.50          | ug/L            | 0.50         | 5           | 1     |                | 12/12/22 12:11 |                  |       |
| 1,3-Dichloropropane                   | <0.50          | ug/L            | 0.50         | ŭ           | 1     |                | 12/12/22 12:11 |                  |       |
| 2,2-Dichloropropane                   | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 |                  |       |
| 1,1-Dichloropropene                   | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 |                  |       |
| cis-1,3-Dichloropropene               | <0.50          | ug/L            | 0.50         |             | 1     |                | 12/12/22 12:11 |                  |       |
| trans-1,3-Dichloropropene             | <0.50          | ug/L<br>ug/L    | 0.50         |             | 1     |                | 12/12/22 12:11 |                  |       |
| Ethylbenzene                          | <0.50          | ug/L<br>ug/L    | 0.50         | 700         | 1     |                | 12/12/22 12:11 |                  |       |
| Hexachloro-1,3-butadiene              | <0.50          | ug/L<br>ug/L    | 0.50         | 700         | 1     |                | 12/12/22 12:11 |                  |       |
| Isopropylbenzene (Cumene)             | <0.50<br><0.50 | ug/L<br>ug/L    | 0.50         |             | 1     |                | 12/12/22 12:11 |                  |       |
|                                       |                |                 |              |             |       |                |                |                  |       |



Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

Sample: WELL 3A N-14347 Collected: 12/05/22 11:00 Lab ID: 70238716003 Received: 12/05/22 14:13 Matrix: Drinking Water (INFLUENT) Report Reg. Qual **Parameters** Results Units Limit Limit DF Prepared Analyzed CAS No. 524.2 MSV Analytical Method: EPA 524.2 Pace Analytical Services - Melville Methylene Chloride < 0.50 ug/L 0.50 5 1 12/12/22 12:11 75-09-2 Methyl-tert-butyl ether <0.50 ug/L 0.50 12/12/22 12:11 1634-04-4 1 <0.50 0.50 103-65-1 n-Propylbenzene ug/L 1 12/12/22 12:11 ug/L Styrene < 0.50 0.50 100 1 12/12/22 12:11 100-42-5 1,1,1,2-Tetrachloroethane <0.50 ug/L 0.50 1 12/12/22 12:11 630-20-6 1,1,2,2-Tetrachloroethane <0.50 ug/L 0.50 1 12/12/22 12:11 79-34-5 Tetrachloroethene <0.50 ug/L 0.50 5 1 12/12/22 12:11 127-18-4 0.50 1000 12/12/22 12:11 108-88-3 Toluene <0.50 ug/L 1 Total Trihalomethanes (Calc.) <0.50 ug/L 0.50 80 1 12/12/22 12:11 1,2,3-Trichlorobenzene <0.50 ug/L 0.50 1 12/12/22 12:11 87-61-6 1,2,4-Trichlorobenzene < 0.50 ug/L 0.50 70 1 12/12/22 12:11 120-82-1 1,1,1-Trichloroethane <0.50 ug/L 0.50 200 1 12/12/22 12:11 71-55-6 1,1,2-Trichloroethane <0.50 0.50 5 1 12/12/22 12:11 79-00-5 ug/L Trichloroethene 24.6 ug/L 0.50 5 1 12/12/22 12:11 79-01-6 Trichlorofluoromethane < 0.50 ug/L 0.50 1 12/12/22 12:11 75-69-4 1,2,3-Trichloropropane < 0.50 ug/L 0.50 1 12/12/22 12:11 96-18-4 12/12/22 12:11 76-13-1 1,1,2-Trichlorotrifluoroethane < 0.50 0.50 N3 ug/L 1 1,2,4-Trimethylbenzene < 0.50 ug/L 0.50 1 12/12/22 12:11 95-63-6 12/12/22 12:11 108-67-8 1,3,5-Trimethylbenzene < 0.50 ug/L 0.50 1 Vinyl chloride < 0.50 ug/L 0.50 2 12/12/22 12:11 75-01-4 1 12/12/22 12:11 179601-23-1 m&p-Xylene <0.50 ug/L 0.50 1 o-Xylene < 0.50 ug/L 0.50 1 12/12/22 12:11 95-47-6 Surrogates 1,2-Dichlorobenzene-d4 (S) 96 % 70-130 12/12/22 12:11 2199-69-1 1 70-130 4-Bromofluorobenzene (S) 85 1 12/12/22 12:11 460-00-4 %



Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

Sample: WELL 4 N-09338 Lab ID: 70238716004 Collected: 12/05/22 11:15 Received: 12/05/22 14:13 Matrix: Drinking Water (INFLUENT) Report Reg **Parameters** Results Units Limit Limit DF Prepared CAS No. Qual Analyzed Analytical Method: EPA 522 Preparation Method: EPA 522 522 MSS 1,4 Dioxane (SIM) Pace Analytical Services - Melville 1,4-Dioxane (p-Dioxane) 1.8 ug/L 0.020 12/07/22 07:55 12/07/22 16:46 123-91-1 Surrogates 95 70-130 1,4-Dioxane-d8 (S) % 12/07/22 07:55 12/07/22 16:46 524.2 MSV Analytical Method: EPA 524.2 Pace Analytical Services - Melville Benzene < 0.50 ug/L 0.50 5 1 12/12/22 12:37 71-43-2 Bromobenzene <0.50 0.50 12/12/22 12:37 108-86-1 ug/L 1 0.50 Bromochloromethane < 0.50 ug/L 12/12/22 12:37 74-97-5 1 Bromodichloromethane <0.50 ug/L 0.50 80 1 12/12/22 12:37 75-27-4 Bromoform < 0.50 ug/L 0.50 80 1 12/12/22 12:37 75-25-2 Bromomethane <0.50 ug/L 0.50 1 12/12/22 12:37 74-83-9 n-Butylbenzene <0.50 0.50 1 12/12/22 12:37 104-51-8 ug/L sec-Butylbenzene < 0.50 ug/L 0.50 12/12/22 12:37 135-98-8 tert-Butylbenzene < 0.50 ug/L 0.50 1 12/12/22 12:37 98-06-6 Carbon tetrachloride < 0.50 ug/L 0.50 5 1 12/12/22 12:37 56-23-5 12/12/22 12:37 108-90-7 Chlorobenzene < 0.50 0.50 100 ug/L 1 12/12/22 12:37 75-45-6 < 0.50 0.50 N3 Chlorodifluoromethane ug/L 1 Chloroethane < 0.50 ug/L 0.50 12/12/22 12:37 75-00-3 1 < 0.50 0.50 80 12/12/22 12:37 67-66-3 Chloroform ug/L 1 Chloromethane <0.50 ug/L 0.50 1 12/12/22 12:37 74-87-3 2-Chlorotoluene < 0.50 ug/L 0.50 12/12/22 12:37 95-49-8 1 4-Chlorotoluene < 0.50 ug/L 0.50 12/12/22 12:37 106-43-4 1 Dibromochloromethane < 0.50 ug/L 0.50 80 1 12/12/22 12:37 124-48-1 Dibromomethane 12/12/22 12:37 < 0.50 ug/L 0.50 1 74-95-3 600 1,2-Dichlorobenzene < 0.50 ug/L 0.50 1 12/12/22 12:37 95-50-1 1,3-Dichlorobenzene <0.50 ug/L 0.50 12/12/22 12:37 541-73-1 1 1,4-Dichlorobenzene <0.50 ug/L 0.50 75 12/12/22 12:37 106-46-7 1 ug/L 0.50 12/12/22 12:37 75-71-8 Dichlorodifluoromethane < 0.50 1 <0.50 12/12/22 12:37 75-34-3 1.1-Dichloroethane 0.50 1 ug/L < 0.50 0.50 5 12/12/22 12:37 107-06-2 1.2-Dichloroethane ug/L 1 1,1-Dichloroethene <0.50 ug/L 0.50 7 1 12/12/22 12:37 75-35-4 70 cis-1,2-Dichloroethene <0.50 ug/L 0.50 1 12/12/22 12:37 156-59-2 trans-1,2-Dichloroethene < 0.50 ug/L 0.50 100 1 12/12/22 12:37 156-60-5 <0.50 0.50 5 12/12/22 12:37 78-87-5 1,2-Dichloropropane ug/L 1 12/12/22 12:37 142-28-9 1,3-Dichloropropane < 0.50 ug/L 0.50 1 2,2-Dichloropropane <0.50 ug/L 0.50 1 12/12/22 12:37 594-20-7 1,1-Dichloropropene <0.50 ug/L 0.50 1 12/12/22 12:37 563-58-6 cis-1,3-Dichloropropene <0.50 ug/L 0.50 1 12/12/22 12:37 10061-01-5 trans-1,3-Dichloropropene < 0.50 ug/L 0.50 1 12/12/22 12:37 10061-02-6 <0.50 0.50 700 12/12/22 12:37 100-41-4 Ethylbenzene ug/L 1 <0.50 12/12/22 12:37 87-68-3 Hexachloro-1,3-butadiene ug/L 0.50 1 Isopropylbenzene (Cumene) < 0.50 ug/L 0.50 1 12/12/22 12:37 98-82-8 p-Isopropyltoluene < 0.50 ug/L 0.50 12/12/22 12:37 99-87-6



Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

Sample: WELL 4 N-09338 Received: 12/05/22 14:13 Matrix: Drinking Water Lab ID: 70238716004 Collected: 12/05/22 11:15 (INFLUENT) Report Reg. **Parameters** Results Units Limit Limit DF Prepared Analyzed CAS No. Qual 524.2 MSV Analytical Method: EPA 524.2 Pace Analytical Services - Melville Methylene Chloride < 0.50 ug/L 0.50 5 1 12/12/22 12:37 75-09-2 Methyl-tert-butyl ether <0.50 ug/L 0.50 12/12/22 12:37 1634-04-4 1 <0.50 0.50 12/12/22 12:37 103-65-1 n-Propylbenzene ug/L 1 ug/L Styrene < 0.50 0.50 100 1 12/12/22 12:37 100-42-5 1,1,1,2-Tetrachloroethane <0.50 ug/L 0.50 1 12/12/22 12:37 630-20-6 1,1,2,2-Tetrachloroethane <0.50 ug/L 0.50 1 12/12/22 12:37 79-34-5 0.50 Tetrachloroethene <0.50 ug/L 5 1 12/12/22 12:37 127-18-4 0.50 1000 12/12/22 12:37 108-88-3 Toluene <0.50 ug/L 1 Total Trihalomethanes (Calc.) <0.50 ug/L 0.50 80 1 12/12/22 12:37 1,2,3-Trichlorobenzene <0.50 ug/L 0.50 1 12/12/22 12:37 87-61-6 1,2,4-Trichlorobenzene < 0.50 ug/L 0.50 70 1 12/12/22 12:37 120-82-1 1,1,1-Trichloroethane <0.50 ug/L 0.50 200 1 12/12/22 12:37 71-55-6 1,1,2-Trichloroethane <0.50 0.50 5 1 12/12/22 12:37 79-00-5 ug/L Trichloroethene 3.9 ug/L 0.50 5 1 12/12/22 12:37 79-01-6 Trichlorofluoromethane < 0.50 ug/L 0.50 1 12/12/22 12:37 75-69-4 1,2,3-Trichloropropane < 0.50 ug/L 0.50 1 12/12/22 12:37 96-18-4 12/12/22 12:37 76-13-1 1,1,2-Trichlorotrifluoroethane < 0.50 0.50 N3 ug/L 1 12/12/22 12:37 95-63-6 1,2,4-Trimethylbenzene < 0.50 ug/L 0.50 1 1,3,5-Trimethylbenzene < 0.50 ug/L 0.50 1 12/12/22 12:37 108-67-8 12/12/22 12:37 75-01-4 Vinyl chloride < 0.50 ug/L 0.50 2 1 12/12/22 12:37 179601-23-1 m&p-Xylene <0.50 ug/L 0.50 1 o-Xylene < 0.50 ug/L 0.50 1 12/12/22 12:37 95-47-6 Surrogates 1,2-Dichlorobenzene-d4 (S) 90 % 70-130 12/12/22 12:37 2199-69-1 1 70-130 4-Bromofluorobenzene (S) 83 1 12/12/22 12:37 460-00-4 %



Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

QC Batch: 285597 Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70238716001, 70238716002, 70238716003, 70238716004

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

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

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



Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

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

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

| LABORATORY CONTROL SAMPLE:     | 1443154 |       |        |       |        |            |
|--------------------------------|---------|-------|--------|-------|--------|------------|
|                                |         | Spike | LCS    | LCS   | % Rec  |            |
| Parameter                      | Units   | Conc. | Result | % Rec | Limits | Qualifiers |
| 1,1,1,2-Tetrachloroethane      | ug/L    | 10    | 10.6   | 106   | 70-130 |            |
| 1,1,1-Trichloroethane          | ug/L    | 10    | 10.3   | 103   | 70-130 |            |
| 1,1,2,2-Tetrachloroethane      | ug/L    | 10    | 11.0   | 110   | 70-130 |            |
| 1,1,2-Trichloroethane          | ug/L    | 10    | 10.9   | 109   | 70-130 |            |
| 1,1,2-Trichlorotrifluoroethane | ug/L    | 10    | 10.9   | 109   | 70-130 | IH,N3      |
| 1,1-Dichloroethane             | ug/L    | 10    | 10.7   | 107   | 70-130 |            |
| 1,1-Dichloroethene             | ug/L    | 10    | 9.8    | 98    | 70-130 |            |
| 1,1-Dichloropropene            | ug/L    | 10    | 10.7   | 107   | 70-130 |            |
| 1,2,3-Trichlorobenzene         | ug/L    | 10    | 10.0   | 100   | 70-130 |            |
| 1,2,3-Trichloropropane         | ug/L    | 10    | 10.2   | 102   | 70-130 |            |
| 1,2,4-Trichlorobenzene         | ug/L    | 10    | 10.3   | 103   | 70-130 |            |
| 1,2,4-Trimethylbenzene         | ug/L    | 10    | 10.7   | 107   | 70-130 |            |
| 1,2-Dichlorobenzene            | ug/L    | 10    | 11.4   | 114   | 70-130 |            |
| 1,2-Dichloroethane             | ug/L    | 10    | 10.5   | 105   | 70-130 |            |
| 1,2-Dichloropropane            | ug/L    | 10    | 10.9   | 109   | 70-130 |            |
| 1,3,5-Trimethylbenzene         | ug/L    | 10    | 10.6   | 106   | 70-130 |            |
| 1,3-Dichlorobenzene            | ug/L    | 10    | 11.9   | 119   | 70-130 |            |
| 1,3-Dichloropropane            | ug/L    | 10    | 11.0   | 110   | 70-130 |            |

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



Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

| LABORATORY CONTROL SAMPL      | E: 1443154 | Spike | LCS    | LCS   | % Rec    |            |
|-------------------------------|------------|-------|--------|-------|----------|------------|
| Parameter                     | Units      | Conc. | Result | % Rec | Limits   | Qualifiers |
| 1,4-Dichlorobenzene           | ug/L       |       | 11.8   | 118   | 70-130   |            |
| 2,2-Dichloropropane           | ug/L       | 10    | 10.5   | 105   | 70-130   |            |
| 2-Chlorotoluene               | ug/L       | 10    | 10.9   | 109   | 70-130   |            |
| 4-Chlorotoluene               | ug/L       | 10    | 10.9   | 109   | 70-130   |            |
| Benzene                       | ug/L       | 10    | 11.1   | 111   | 70-130   |            |
| Bromobenzene                  | ug/L       | 10    | 11.6   | 116   | 70-130   |            |
| Bromochloromethane            | ug/L       | 10    | 10.7   | 107   | 70-130   |            |
| Bromodichloromethane          | ug/L       | 10    | 9.7    | 97    | 70-130   |            |
| Bromoform                     | ug/L       | 10    | 8.8    | 88    | 70-130   |            |
| Bromomethane                  | ug/L       | 10    | 9.5    | 95    | 70-130   |            |
| Carbon tetrachloride          | ug/L       | 10    | 10     | 100   | 70-130   |            |
| Chlorobenzene                 | ug/L       | 10    | 10.9   | 109   | 70-130   |            |
| Chlorodifluoromethane         | ug/L       | 10    | 9.0    | 90    | 70-130 N | <b>1</b> 3 |
| Chloroethane                  | ug/L       | 10    | 9.4    | 94    | 70-130   |            |
| Chloroform                    | ug/L       | 10    | 10.8   | 108   | 70-130   |            |
| Chloromethane                 | ug/L       | 10    | 8.7    | 87    | 70-130   |            |
| cis-1,2-Dichloroethene        | ug/L       | 10    | 10.4   | 104   | 70-130   |            |
| cis-1,3-Dichloropropene       | ug/L       | 10    | 10.3   | 103   | 70-130   |            |
| Dibromochloromethane          | ug/L       | 10    | 9.6    | 96    | 70-130   |            |
| Dibromomethane                | ug/L       | 10    | 10.6   | 106   | 70-130   |            |
| Dichlorodifluoromethane       | ug/L       | 10    | 9.0    | 90    | 70-130   |            |
| Ethylbenzene                  | ug/L       | 10    | 11.1   | 111   | 70-130   |            |
| Hexachloro-1,3-butadiene      | ug/L       | 10    | 10.6   | 106   | 70-130   |            |
| sopropylbenzene (Cumene)      | ug/L       | 10    | 10.7   | 107   | 70-130   |            |
| m&p-Xylene                    | ug/L       | 20    | 21.4   | 107   | 70-130   |            |
| Methyl-tert-butyl ether       | ug/L       | 10    | 10.3   | 103   | 70-130 I | Н          |
| Methylene Chloride            | ug/L       | 10    | 10.2   | 102   | 70-130   |            |
| n-Butylbenzene                | ug/L       | 10    | 11.1   | 111   | 70-130   |            |
| n-Propylbenzene               | ug/L       | 10    | 11.2   | 112   | 70-130   |            |
| o-Xylene                      | ug/L       | 10    | 10.8   | 108   | 70-130   |            |
| o-Isopropyltoluene            | ug/L       | 10    | 10.7   | 107   | 70-130   |            |
| sec-Butylbenzene              | ug/L       | 10    | 10.7   | 107   | 70-130   |            |
| Styrene                       | ug/L       | 10    | 11.3   | 113   | 70-130   |            |
| ert-Butylbenzene              | ug/L       | 10    | 10.6   | 106   | 70-130   |            |
| Tetrachloroethene             | ug/L       | 10    | 11.2   | 112   | 70-130   |            |
| Toluene                       | ug/L       | 10    | 10.9   | 109   | 70-130   |            |
| Total Trihalomethanes (Calc.) | ug/L       |       | 38.9   |       |          |            |
| rans-1,2-Dichloroethene       | ug/L       | 10    | 11.0   | 110   | 70-130   |            |
| rans-1,3-Dichloropropene      | ug/L       | 10    | 10.3   | 103   | 70-130   |            |
| Γrichloroethene               | ug/L       | 10    | 10.8   | 108   | 70-130   |            |
| Trichlorofluoromethane        | ug/L       | 10    | 10.4   | 104   | 70-130   |            |
| Vinyl chloride                | ug/L       | 10    | 9.9    | 99    | 70-130   |            |
| 1,2-Dichlorobenzene-d4 (S)    | %          |       |        | 109   | 70-130   |            |
| 4-Bromofluorobenzene (S)      | %          |       |        | 96    | 70-130   |            |

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 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

| SAMPLE DUPLICATE: 1444065      |              | 70238962015 | Dup    |     | Max |            |
|--------------------------------|--------------|-------------|--------|-----|-----|------------|
| Parameter                      | Units        | Result      | Result | RPD | RPD | Qualifiers |
| 1,1,1,2-Tetrachloroethane      | ug/L         |             | <0.50  |     | 20  |            |
| 1,1,1-Trichloroethane          | ug/L         | ND          | < 0.50 |     | 20  |            |
| 1,1,2,2-Tetrachloroethane      | ug/L         | ND          | <0.50  |     | 20  |            |
| 1,1,2-Trichloroethane          | ug/L         | ND          | <0.50  |     | 20  |            |
| 1,1,2-Trichlorotrifluoroethane | ug/L         |             | <0.50  |     |     | N3         |
| 1,1-Dichloroethane             | ug/L         | ND          | <0.50  |     | 20  |            |
| 1,1-Dichloroethene             | ug/L         | ND          | <0.50  |     | 20  |            |
| 1,1-Dichloropropene            | ug/L         | ND          | <0.50  |     | 20  |            |
| 1,2,3-Trichlorobenzene         | ug/L         | ND          | <0.50  |     | 20  |            |
| 1,2,3-Trichloropropane         | ug/L         | ND          | <0.50  |     | 20  |            |
| 1,2,4-Trichlorobenzene         | ug/L         | ND          | <0.50  |     | 20  |            |
| 1,2,4-Trimethylbenzene         | ug/L         | ND          | <0.50  |     | 20  |            |
| 1,2-Dichlorobenzene            | ug/L         | ND          | <0.50  |     | 20  |            |
| 1,2-Dichloroethane             | ug/L         | ND          | <0.50  |     | 20  |            |
| 1,2-Dichloropropane            | ug/L         | ND          | < 0.50 |     | 20  |            |
| 1,3,5-Trimethylbenzene         | ug/L         | ND          | < 0.50 |     | 20  |            |
| 1,3-Dichlorobenzene            | ug/L         | ND          | < 0.50 |     | 20  |            |
| 1,3-Dichloropropane            | ug/L         | ND          | <0.50  |     | 20  |            |
| 1,4-Dichlorobenzene            | ug/L         | ND          | < 0.50 |     | 20  |            |
| 2,2-Dichloropropane            | ug/L         | ND          | < 0.50 |     | 20  |            |
| 2-Chlorotoluene                | ug/L         | ND          | < 0.50 |     | 20  |            |
| 4-Chlorotoluene                | ug/L         | ND          | < 0.50 |     | 20  |            |
| Benzene                        | ug/L         | ND          | <0.50  |     | 20  |            |
| Bromobenzene                   | ug/L         | ND          | <0.50  |     | 20  |            |
| Bromochloromethane             | ug/L         | ND          | <0.50  |     | 20  |            |
| Bromodichloromethane           | ug/L         | ND          | < 0.50 |     | 20  |            |
| Bromoform                      | ug/L         | ND          | < 0.50 |     | 20  |            |
| Bromomethane                   | ug/L         | ND          | <0.50  |     | 20  |            |
| Carbon tetrachloride           | ug/L         | ND          | <0.50  |     | 20  |            |
| Chlorobenzene                  | ug/L         | ND          | < 0.50 |     | 20  |            |
| Chlorodifluoromethane          | ug/L         |             | < 0.50 |     |     | N3         |
| Chloroethane                   | ug/L         | ND          | < 0.50 |     | 20  |            |
| Chloroform                     | ug/L         | ND          | <0.50  |     | 20  |            |
| Chloromethane                  | ug/L         | ND          | < 0.50 |     | 20  |            |
| cis-1,2-Dichloroethene         | ug/L         | ND          | < 0.50 |     | 20  |            |
| cis-1,3-Dichloropropene        | ug/L         | ND          | < 0.50 |     | 20  |            |
| Dibromochloromethane           | ug/L         | ND          | < 0.50 |     | 20  |            |
| Dibromomethane                 | ug/L         | ND          | <0.50  |     | 20  |            |
| Dichlorodifluoromethane        | ug/L         | ND          | < 0.50 |     | 20  |            |
| Ethylbenzene                   | ug/L         | ND          | <0.50  |     | 20  |            |
| Hexachloro-1,3-butadiene       | ug/L         | ND          | <0.50  |     | 20  |            |
| Isopropylbenzene (Cumene)      | ug/L         | ND          | <0.50  |     | 20  |            |
| m&p-Xylene                     | ug/L         | ND          | <0.50  |     | 20  |            |
| Methyl-tert-butyl ether        | ug/L         | ND          | <0.50  |     | 20  |            |
| Methylene Chloride             | ug/L         | ND          | <0.50  |     | 20  |            |
| n-Butylbenzene                 | ug/L         | ND          | < 0.50 |     | 20  |            |
| n-Propylbenzene                | ug/L         | ND          | < 0.50 |     | 20  |            |
|                                | ~9, <b>-</b> | ·           | ٦٥.٥٥  |     | 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 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

| SAMPLE DUPLICATE: 1444065     |       |             |        |     |     |            |
|-------------------------------|-------|-------------|--------|-----|-----|------------|
|                               |       | 70238962015 | Dup    |     | Max |            |
| Parameter                     | Units | Result      | Result | RPD | RPD | Qualifiers |
| o-Xylene                      | ug/L  | ND          | <0.50  |     | 20  |            |
| p-Isopropyltoluene            | ug/L  | ND          | < 0.50 |     | 20  |            |
| sec-Butylbenzene              | ug/L  | ND          | < 0.50 |     | 20  |            |
| Styrene                       | ug/L  | ND          | < 0.50 |     | 20  |            |
| tert-Butylbenzene             | ug/L  | ND          | < 0.50 |     | 20  |            |
| Tetrachloroethene             | ug/L  | ND          | < 0.50 |     | 20  |            |
| Toluene                       | ug/L  | 1.9         | 2.2    | 12  | 20  |            |
| Total Trihalomethanes (Calc.) | ug/L  | ND          | < 0.50 |     | 20  |            |
| trans-1,2-Dichloroethene      | ug/L  | ND          | < 0.50 |     | 20  |            |
| trans-1,3-Dichloropropene     | ug/L  | ND          | < 0.50 |     | 20  |            |
| Trichloroethene               | ug/L  | ND          | < 0.50 |     | 20  |            |
| Trichlorofluoromethane        | ug/L  | ND          | < 0.50 |     | 20  |            |
| Vinyl chloride                | ug/L  | ND          | < 0.50 |     | 20  |            |
| 1,2-Dichlorobenzene-d4 (S)    | %     | 96          | 92     |     | 20  |            |
| 4-Bromofluorobenzene (S)      | %     | 88          | 88     |     | 20  |            |

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



Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

QC Batch: 284753 Analysis Method: EPA 522

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

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70238716001, 70238716003, 70238716004

METHOD BLANK: 1438602 Matrix: Drinking Water

Associated Lab Samples: 70238716001, 70238716003, 70238716004

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

LABORATORY CONTROL SAMPLE: 1438603

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

MATRIX SPIKE SAMPLE: 1438604 70238660001 Spike MS MS % Rec Parameter Units Result Conc. Result % Rec Limits Qualifiers 0.20 1,4-Dioxane (p-Dioxane) ug/L 4.1 99 70-130 E 1,4-Dioxane-d8 (S) % 94 70-130

SAMPLE DUPLICATE: 1438885

Date: 12/13/2022 04:11 PM

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

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



#### **QUALIFIERS**

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

#### **ANALYTE QUALIFIERS**

Date: 12/13/2022 04:11 PM

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



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: NYAW-MERRICK OPS FACILITY 12/5

Pace Project No.: 70238716

Date: 12/13/2022 04:11 PM

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



WO#:70238716 CHAIN-OF-CUSTODY / Ana
The Chain-of-Custody is a LEGAL DOCUN
70238716

| ection A           | EN 2002 D  | Section B                 | atest          | Infor       | rmetlen     |           |          |                |                        |                 | tion C                                  |            | ation | ,,  |         |          |       |      |          |                     |              |       |          | -      |          |          |       | Ŧ    | Pag     | ie :                    |                  |           | Of                                     | 1              |
|--------------------|--|---------------------------|----------------|-------------|-------------|-----------|----------|----------------|------------------------|-----------------|---|------------|-------|-----|---------|----------|-------|------|----------|---------------------|--------------|-------|----------|--------|----------|----------|-------|------|---------|-------------------------|------------------|-----------|--|----------------|
|                    | Cilent Information:  KOMAN Government Solutions, LLC | Required Pr<br>Report To: |                | -           | regory      |           | -        |                |                        | -               | ntion:                                  | _          |       | _   | Payab   | le       | _     | _    |          | _                   | _            | _     | _        |        |          |          |       |      |         |                         |                  | _         |  |                |
| ompany:<br>ddress: | 180 Gordon Dr., Suite 110                            | Copy To:                  | NCE            |             | legoly      |           |          |                |                        |                 |   | _          |       |     | AN Go   |          | ment  | Solu | utio     | ns, Li              | C            |       |          |        |          |          |       |      |         |                         |                  |           |  |                |
| uui 668.           | Exton, PA  | 100p) 141                 | 1101           | -           |             |           |          |                |                        |                 | ress:                                   |            |       | _   | spay    |          |       |      |          |                     |              |       |          |        | 1        |          | 15    |      | R       | tegula                  | tory Age         | ncy       |  |                |
| mail: F            | Gregory@komangs.com                                  | Purchase Or               | rder#          |             | 02607-00    | 15        |          |                |                        | Pac             | e Quo                                   | _          |       |     |         |          |       |      |          |                     |              |       |          |        | T        |          |       |      |         |                         |                  |           |  |                |
| hone:              | (610) 400-0636 Fax                                   | Project Nam               | e:             | NYA         | W-MERR      | ICK OPS   | FACILITY | Υ.             |                        | Pac             | e Proj                                  | ject N     | 1anag | ег: | K       | mbe      | riev. | Mac  | ok(ä     | Pac                 | elabs        | com   |          |        |          |          |       |      |         | State                   | / Location       | on        |  |                |
| 53,77,6,001462     | Due Date:  | Project #: 02             | 607-0          | 05          |             |           |          |                |                        | Pac             | e Prof                                  | file #:    |       | _   |         |          |       |      |          |                     |              |       |          |        |          |          | _     |      | _       |                         | NY               | _         |  |                |
|                    |  |                           |                |             |             |           |          |                | -                      | _               | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | _          |       | _   |         |          |       | L    | -        |                     | Req          | ueste | d Ana    | alysis | s Filte  | red      | (Y/N) | _    | _       | -                       |                  |           |  |                |
|                    |  |                           | codes to left) | C=COMP)     |             | COLLE     | ECTED    |                |                        |                 |   |            | Pres  | erv | ative   | s        |       | Z    |          |                     |              |       |          |        |          |          |       |      |         |                         | E <sub>iiv</sub> |           | 1.1                                    |                |
| - 1                |  | /atero DWo                | ges            | )<br>K      |             |           |          |                | ĮŠ.                    |                 |   | П          | Т     | Т   |         |          | T     | Т    | Т        |                     | T            | Т     | П        | П      | П        | П        | П     | Т    |         | 1                       |                  |           |  |                |
| - 1                | Water⊡<br>Wasie We                                   | WTa<br>tera WWa           | 9 00           | AB          |             |           |          |                | E                      | 1               | Н                                       |            |       | - 1 | - 1     |          | 1     | ı,   |          |                     |              | 1     |          |        |          |          | -1    |      |         | ĝ                       |                  |           |  |                |
| - 1                | SAMPLE ID Producto                                   | PG<br>SLO                 | e valid        | (G=GRAB     |             | NDT.      |          | ND             | 성                      |                 | П                                       |            | - 1   | - [ |         |          | 1     | į    | 8        | 2.                  | - 1          | 1     |          | Н      |          | - 1      | - 1   |      | - 1     | 3                       |                  |           |  |                |
| - 1                | UIIU   | OLO<br>WPO                | ees.           | <u>اق</u>   | STA         | ART       |          | I I            | ΑŤ                     | # OF CONTAINERS | H                                       |            |       | - 1 |         |          | 1     | 15   | <u>.</u> | POC (VOCs by 524.2) | (222)        | 1     | 1 1      | Н      |          | - 1      | - 1   |      | -1      | Residual Chlorine (Y/N) | ŀ                |           |  |                |
| - 1                | One Character per box. ☐ Wipe ☐ Air ☐ Air ☐ Other ☐  | AR□                       | 岁              | 胆           |             |           |          |                | ₽<br>M                 | N N             | 8                                       |            |       | - 1 |         |          |       | 1 8  | 8        | g p                 |              | 1     |          |        |          | - 1      | - 1   |      |         | Ĭ                       |                  |           |  |                |
| #                  | Sample Ids must be unique Tissue                     | OTO<br>TS                 | MATRIX CODE    | SAMPLE TYPE |             |           |          |                | E I                    | ğ               | Unpreserved                             | 4          | _     |     | NaOH    | Mathorol |       | 1 5  | Analyses | ğ۱                  | 1,4-dioxane  |       | 1        |        |          | - 1      |       |      | - 1     | E I                     | 1                |           |  |                |
| ITEM               |  |                           | I E            | ĬĔ.         |             |           |          |                | ΡĀ                     | F O             | 힐                                       | H2SO4      | ÿ ;   | ᄝ   | NaOH    | 2   4    | Metma | <    | ₹        | ğΙ                  | <del>ğ</del> | 1     |          |        |          | - 1      |       |      | - 1     | esic                    |                  |           |  |                |
| 느                  |  |                           | ž              | ΑŞ          | DATE        |           | DATE     |                |                        | ¥               | 5                                       | Ï          | 王     | Ī   | ž       | žį       | ≥   C | -    | 7        |                     |              | +     | -        |        | -        | $\dashv$ | +     | +    | +       | +≝                      | -                |           |  | _              |
| 1                  | GAC-3S/4S (Seaman Neck GAC E                         | fluent)                   | DW             | G           |             |           | 251      |                | 1                      | 4               | Н                                       | $\dashv$   | +     | X   | +       | ¥        | +     | -    | ŀ        | X                   | X            | +     | $\vdash$ | Н      | $\dashv$ | $\dashv$ | +     | +    | +       | -                       | _                | _         |  |                |
| 2                  | GAC-3S/4S (Seaman Neck GAC Eff                       | uent)-D                   | DW             | G           |             | 1-        |          | 10:10          | 1                      | 2               | Н                                       | Н          | +     | х   | +       | +        | +     | -    | ŀ        | Х                   | +            | +     | $\vdash$ | H      | Н        | +        | +     | +    | +       | -                       | -                | _         |  | _              |
| 3                  | Well 3A N-14347 (Influent)                           |                           | DΝ             | G           |             | lá        | 5.22     | LECC           |                        | 4               | Н                                       | Ц          | 4     | ×   | +       | ×        | +     | 4    | ļ        | Х                   | X            | +     | +        | L      |          | +        | +     | +    | +       | -                       |                  | _         |  | _              |
| 4                  | Well 4 N-09338 (Influent)                            |                           | DΝ             | G           |             | 12        | 5.17     | 11:75          |                        | 4               | Н                                       |            | 4     | х   | 4       | ×        | +     | 4    | -        | х                   | X            | +     | ╀        |        | $\sqcup$ | 4        | -     | +    | +       | -                       | <u> </u>         | _         |  |                |
| 5                  |  |                           | L              |             |             |           |          |                |                        | L               | Ш                                       | Ц          |       | _   | _       | _        | 1     | 4    | ļ        | 4                   | 4            | -     | L        |        |          | 4        | 4     | 4    | 4       | 4                       | <u> </u>         | _         |  | _              |
| 6                  |  |                           |                |             |             |           |          |                |                        | L               |   |            |       |     |         |          |       |      |          |                     | 1            |       |          |        | Ш        | 4        | _     | 4    | _       | 4                       |                  | _         |  |                |
| 7                  |  |                           |                |             |             |           |          |                |                        | L               |   |            |       |     |         | _        |       |      |          | _                   | _            |       | _        |        |          | 4        | _     | Ц    |         | _                       |                  |           |  |                |
| 8                  |  |                           |                |             |             |           |          |                | L                      | L               |   |            |       | _   |         | _        | 1     | 1    |          | 4                   | 1            |       | 1        | L      |          | _        | 4     | 4    | _       | 4                       |                  | _         |  |                |
| 9                  |  |                           |                |             |             |           |          |                |                        |                 |   |            |       |     |         |          |       |      | Į        |                     | $\perp$      |       | L        |        |          |          | _     |      | $\perp$ | 4                       |                  |           |  |                |
| 10                 |  |                           |                |             |             |           |          |                | L                      | L               | L                                       | Ш          |       |     |         | 1        | 1     | _    | 1        | _                   | 1            |       | L        |        | Ц        | 4        | 4     | 4    | 4       | _                       |                  | _         |  |                |
| 11                 |  |                           | ļ              |             |             |           |          |                | L                      | Ļ               |   | Ш          |       | _   | $\perp$ | _        | 1     |      |          |                     | _            | 1     |          |        |          | 4        |       |      | _       | 4                       |                  |           |  |                |
| 12                 |  |                           |                |             |             |           |          |                |                        | L               |   |            | Ш     |     |         |          |       |      |          |                     |              |       |          |        |          | _        |       |      | 4       | L                       |                  |           |  | -11-2-         |
|                    | ADDITIONAL COMMENTS                                  | h                         | RELI           | NQUIS       | SHED BY / / | AFFILIATI | ON       | DAT            | ΓE                     | L               | TIME                                    |            | 100   |     | A       | CCE      | PTED  | BY / | AFF      | FILIAT              | NOP          |       |          | -      | DATE     | 4        | _     | TIME | -       | W-1                     | _                | E CO      | NDITIONS                               |                |
|                    |  | Han                       | wh             | 1           | stoles.     | 4         | 10       | 152            | $\supset$              |                 |   |            |       | 8   | 20      |          | 10    | 4    | 1        | (i                  | 1)           |       |          | (      | 2-       |          | 12    | 32   | 5.      | 8                       | Y                |           | $N_{-}$                                | 7              |
| _                  |  | 4)                        |                |             | 111         | C         |          | 1              |                        | Г               |   |            | ,     | 1   |         |          |       |      |          |                     |              |       |          |        |          |          |       |      |         |                         |                  |           |  | 1              |
| _                  |  | - /                       | V              | _           | (V          |           |          | <del> </del>   |                        | ╁               | _                                       |            | 1     |     | -       | _        |       | _    |          | _                   |              |       |          | ╁      | _        | 7        |       |      | ┪       |                         |                  | $\dagger$ |  |                |
|                    |  | -                         | _              | _           |             |           |          | +              |                        | +               | _                                       |            |       | _   |         |          |       |      |          |                     |              |       |          | +      |          | 7        |       |      | +       |                         |                  | $\dagger$ |  |                |
| Page               |  |                           | _              | _           |             | SAMPL     | ER NAME  | AND SI         | GNA                    | TURE            | E                                       |            |       |     | _       |          |       |      |          |                     |              | 1     |          | -      |          |          |       |      |         |                         | † <u>-</u> -     | $\dagger$ |  |                |
| 9 21               |  |                           |                |             |             |           | INT Name | - Constitution | NAME OF TAXABLE PARTY. | -               | _                                       | nd.        | Hoff  |     | oter    |          | _     | _    |          | _                   | _            |       | _        | _      |          |          |       |      |         | i.                      | ved on           | 77        | )<br>                                  | se _           |
| Page 21 of 22      |  |                           |                |             |             | SIC       | NATURE   | of SAM         | PLEF                   | ₹: J            | 1                                       | 1          | Hoff  | 11  | SPEE    | t        |       |      |          | ı                   | DATE         | Signe | ed: /    | 57     | 5        | 2        | 2     | 25   | 2       | TEMP in C               | Received         | (N)       | Custouy<br>Sealed□<br>Cooler□<br>(Y/N) | Samp<br>Intact |
| 10                 |  |                           |                |             |             |           |          |                |                        | 7               | Cisie                                   | 1          | 14    | 1   |         | -1       |       |      |          | _                   |              |       | _/_      | 7      | <u> </u> |          |       |      | -       |                         |                  |           |  |                |
|                    |  |                           |                |             |             |           |          |                |                        | 1               | V                                       | <b>7</b> 2 | U     | U   |         |          |       |      |          |                     | *            |       |          |        |          |          |       |      |         |                         |                  |           |  |                |

| Pace Analytical *  | Client N     | lame:          | T               | Pr                   | WC              | )#:7                                   | 0238            | 371          | 6              |
|--|--------------|----------------|-----------------|----------------------|-----------------|--|-----------------|--------------|----------------|
|  |              | DMA            | -N              |                      | PM:             | KMM                                    |                 |              | 12/14/22       |
| Courier: Fed Ex UPS USPS Client Tracking #:  | Comm         | ercial         | Dace □th        | er                   | CLIE            | NT: KGS                                |                 | Date:        | 12/14/22       |
| Custody Seal on Cooler/Box Present:   [Yes   | os TXNo      | Seals          | intact: Ye      | es No No A           |                 |  |                 |              |                |
| Packing Material: Bubble Wrap Bubble   | Rans         |                |                 |                      |                 | Type of I                              | ce: (Wet) 8     | Blue None    |                |
| Thermometer Used: TH148  | Correct      | ion Fact       | or: + 0,        | Í                    | ſ               |  | on ice, cooling |              | as begun       |
| Cooler Temperature (*Cf: 3.5)  | Cooler       | Temnera        | ture Correct    | ted(°C): 39          | ι               |  | e 5035A kits    |              |                |
| Temp should be above freezing to 6.0°C   | - 000101     | tempere        | (0,000,00       | 3.0                  |                 | _                                      |                 | Piggi        |                |
| USDA Regulated Soil ( ZN/A, water sample   | e) .         |                | ii .            | Date and Initi       | als of pe       |  |                 |              |                |
| Did samples originate in a quarantine zone w   | ithin the U  | Inited Sta     | ites: AL, AR, C | A, FL, GA, ID, LA, M | S, NC.          | Did samp                               | les orignate f  | rom a foreig | on source      |
| NM NY OK OR SC TN TX or VA (check man)?  | Ye           | s $\square$ No |                 |                      |                 | including                              | Hawaii and Pi   | uerto Rico)? | O Yes X No     |
| If Yes to either question, fill out a Regulat  | ed Soil Ch   | necklist l     | [F-L1-C-010] a  | and include with     | SCUR/C          | OC paperw                              | ork.            |              |                |
|  |              |                |                 |                      |                 | CO                                     | MMENTS:         |              |                |
| Chain of Custody Present:  | OYes         | ĊΝο            |                 | 1.                   |                 |  |                 |              |                |
| Chain of Custody Filled Out:   | Pres         | □No            |                 | 2                    |                 |  |                 |              |                |
| Chain of Custody Relinquished:   | Oyes         | □No            |                 | 3.                   |                 |  |                 |              | (              |
| Sampler Name & Signature on COC:   | Yes          | □No            | □N/A            | 4.                   |                 |  |                 |              |                |
| Samples Arrived within Hold Time:  | Yes          | □No            |                 | 5.                   |                 |  |                 |              |                |
| Short Hold Time Analysis (<72hr):  | □Yes         | . PNo          |                 | 6.                   |                 |  |                 |              |                |
| Rush Turn Around Time Requested:   | □Yes         | <b>DMO</b>     |                 | 7.                   |                 | H                                      |                 |              |                |
| Sufficient Volume: (Triple volume provided for   | r I⊠Yes      | □No            |                 | 8.                   |                 |  |                 |              |                |
| Correct Containers Used:   | <b>⊠</b> Yes | □No            |                 | 9.                   |                 |  |                 |              |                |
| -Pace Containers Used:   | @Yes         |                |                 |                      |                 |  |                 |              |                |
| Containers Intact:   | Ves          | □No            | /               | 10_                  |                 |  | 98              |              |                |
| Filtered volume received for Dissolved tests   | □Yes         | □No .          | □N/A            |                      | e if sedir      | nent is visib                          | le in the disso | olved contai | ner.           |
| Sample Labels match COC: -Includes date/time/ID/Matrix: SL/WT/   | Oll          | □No            | ==<br>=0        | 12.                  |                 | e 14                                   | X 141           |              | (19            |
| All containers needing preservation have bee   |              |                | - DN/A          | 13. DH               | NO <sub>3</sub> | □H <sub>z</sub> SO <sub>4</sub>        | □ NaOH-         | _ HCI        | -              |
| checked?   | 11 (1162     |                |                 |                      | 3               |  |                 |              |                |
| pH paper Lot #   |              |                |                 | 1                    |                 |  |                 |              |                |
| All containers needing preservation are found  | d to be      |                |                 | Sample #             |                 |  |                 |              |                |
| in compliance with method recommendation   |              |                |                 |                      |                 |  |                 |              | -              |
| 1.   | □Yes         | □No            | EN/A            |                      |                 |  |                 |              |                |
| NAOH>12 Cyanide)   |              |                |                 | 1                    |                 |  | ¥ %             |              | 1991           |
| Exceptions: VOA, Coliform, TOC/DOC, Oil and G  | irease,      |                |                 |                      |                 |  |                 |              |                |
| DRO/8015 (water).  |              |                |                 | Initial when cor     | npleted:        |  |                 | 0.000        | e preservative |
| Per Method, VOA pH is checked after analysis   |              |                |                 |                      |                 | preservativ                            | re:             | added:       |                |
| Samples checked for dechlorination:  | □Yes         | □No            | DN/A            | 14_                  |                 |  |                 |              |                |
| KI starch test strips Lot #  |              |                | 100             |                      |                 |  |                 |              |                |
| Residual chlorine strips Lot #   |              |                |                 |                      | ve for Re       | s. Chlorine?                           | YN              |              |                |
| SM 4500 CN samples checked for sulfide?  | □Yes         | □No            | DN/A            | 15.                  |                 |  |                 |              | 1              |
| Lead Acetate Strips Lot #  |              |                |                 |                      | ve for Su       | ltide?                                 | Y N -           |              |                |
| Headspace in VOA Vials ( >6mm):  | □Yes         | Mo             | □N/A            | 16.                  |                 |  |                 | _            |                |
| Trip Blank Present   | □Yes         | DINO           | □N/A            | 17.                  |                 |  |                 |              |                |
| Trip Blank Custody Seals Present Pace Trip Blank Lot # (if applicable):  | □Yes         | □No            | DNA             |                      |                 |  |                 |              |                |
| Client Notification/ Resolution:   |              |                |                 | Field Data Regu      | ired?           |  | Y / N           |              |                |
| Person Contacted:  |              |                |                 | · ·                  | /Time:          |  |                 |              |                |
| Comments/ Resolution:  |              |                |                 |                      |                 | #= = = = = = = = = = = = = = = = = = = |                 |              |                |
| and the second contract of the second contrac |              |                |                 |                      |                 |  |                 |              |                |
|  |              |                |                 |                      |                 |  |                 |              | <u> </u>       |
|  |              |                |                 |                      |                 |  | • 7             |              |                |
|  |              | =11            |                 |                      |                 |  |                 |              |                |

ENV-FRM-MELV-0024 01

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

# ATTACHMENT 2 QUARTERLY MIC ANALYTICAL RESULTS – Q4 2022





December 07, 2022

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

RE: Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

#### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

**Enclosures** 

cc: Ericka Seiler, KOMAN Government Services, LLC



Melville, NY 11747 (631)694-3040



**CERTIFICATIONS** 

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

Pace Analytical Services Long Island

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

Maryland Certification #: 208 Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

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

Virginia Certification # 460302



# **SAMPLE SUMMARY**

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

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



# **SAMPLE ANALYTE COUNT**

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

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

PACE-MV = Pace Analytical Services - Melville

(631)694-3040



#### **ANALYTICAL RESULTS**

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

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

WELL)-0

Date: 12/07/2022 10:30 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

CAS No.

Analyzed

(631)694-3040

Qual



#### **ANALYTICAL RESULTS**

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

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

WELL)-2

Date: 12/07/2022 10:30 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

(631)694-3040



#### **ANALYTICAL RESULTS**

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

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

WELL)-5

Date: 12/07/2022 10:30 AM

Report Reg.

Parameters Units Limit Results Limit

DF CAS No. Qual Prepared Analyzed

**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: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

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

Limit

WELL)10

Date: 12/07/2022 10:30 AM

Parameters

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

(631)694-3040



#### **ANALYTICAL RESULTS**

Project: SEAMAN NECK WELL 3 BACT SERIES

Results

Pace Project No.: 70238748

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

WELL)30

Date: 12/07/2022 10:30 AM

Report Reg. Parameters 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

CAS No.

Analyzed

(631)694-3040

Qual



### **ANALYTICAL RESULTS**

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

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

WELL)-D

Date: 12/07/2022 10:30 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** 12/05/22 17:15 12/06/22 11:15 E.coli **Absent** 12/05/22 17:15 12/06/22 11:15



### **QUALITY CONTROL DATA**

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

**Total Coliforms** 

Date: 12/07/2022 10:30 AM

QC Batch: 284865 Analysis Method: SM22 9223B Colilert

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

Laboratory: Pace Analytical Services - Melville

12/06/22 11:15

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

METHOD BLANK: 1439129 Matrix: Drinking Water

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

Blank Reporting

Absent

Parameter Units Result Limit Analyzed Qualifiers

E.coli Absent 12/06/22 11:15

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



### **QUALIFIERS**

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

**RPD - Relative Percent Difference** 

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 12/07/2022 10:30 AM



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

Project: SEAMAN NECK WELL 3 BACT SERIES

Pace Project No.: 70238748

Date: 12/07/2022 10:30 AM

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



WO#:70238748 CHAIN-OF-CUS1
The Chain-of-Custody is a

irately.

The Chain-of-Custody is a Section B Section Section A Of Page: Invoice Information: Required Project Information: Required Client Information: KOMAN Government Solutions, LLC Report To: Robert Gregory Attention: Accounts Payable Company Company Name: KOMAN Government Solutions, LLC Address: 180 Gordon Dr., Suite 110 Copy To: NCDOH accountspayable@komangs.com Regulatory Agency Address: Exton, PA Purchase Order #: 02607-204 Pace Quote: Email: RGregory@komangs.com NYAW-MERRICK OPS FACILITY State / Location Pace Project Manager: Kimberley, Mack@Pacelabs.com Project Name: (610) 400-0636 Fax: NY Project #: 02607-204 Pace Profile #: Requested Due Date Requested Analysis Filtered (Y/N) valid codes to left) X/N (G=GRAB C=COMP) Preservatives COLLECTED MATRIX CODE SAMPLE TEMP AT COLLECTION DW Drinking Water Water WT Residual Chlorine (Y/N) Waste Water ww **Analyses Test** Colifert (Fecal/Ecoli) **SAMPLE ID** Soil/Solid SL (see END START # OF CONTAINERS One Character per box. Wipe SAMPLE TYPE MATRIX CODE Unpreserved Аіг (A-Z, 0-9 / , -) Na2S2O3 Methanol Other Sample Ids must be unique Tissue ITEM HN03 NaOH TIME TIME DATE DATE 15 02 1020 N-14347 (Seaman Neck 3 Well)-0 DW 1 G 521 10122 N-14347 (Seaman Neck 3 Well)-2 DW G N-14347 (Seaman Neck 3 Well)-5 DW 103 5.12 N-14347 (Seaman Neck 3 Well)-10 DW 10:50 5 N-14347 (Seaman Neck 3 Well)-30 DW 5-22 10:51 N-14347 (Seaman Neck 3 Well)-30D DW G 6 7 8 9 10 11 12 SAMPLE CONDITIONS DATE ACCEPTED BY / AFFILIATION DATE TIME RELINQUISHED BY I AFFILIATION ADDITIONAL COMMENTS 12-1 SAMPLER NAME AND SIGNATURE **TEMP in C** 9 PRINT Name of SAMPLER: Randy Hoffmaster **DATE Signed:** SIGNATURE of SAMPLER

| / act Arialytical  | Client     | Name:        | 4              | 1                  | WU               | #: /U                           | 1238           | 748                  |         |
|--|------------|--------------|----------------|--------------------|------------------|---------------------------------|----------------|----------------------|---------|
|  |            | UMM          | -10            |                    | PM: K            | MM                              | Due D          | ate: 12/12/          | 22      |
| Courier: Fed Ex UPS USPS Officen   | it Comn    | nercial L    | Dace Oth       | 161                |                  | T: KGS                          | Due D          | ace. 12/12/          |         |
| Tracking #:  |            | A            |                | and No Wil         | CLIEN            | 1: KUS                          |                |                      |         |
| Custody Seal on Cooler/Box Present:  | res ZNO    |              |                | es No No           |                  |                                 |                |                      |         |
| Packing Material: Bubble Wrap Bubb   | le Bags (  |              | _hous □n       | nei<br>mei         |                  |                                 | ex vvel i      |                      | 0       |
| Thermometer Used: TH148  |            |              | or: + ().      |                    | {                |                                 |                | g process has begun  |         |
| Cooler Temperature(*CJ: 3.8  | Cooler     | Tempera      | ture Correc    | ted(°C): 39        |                  | — Date/Timi                     | e 5035A Kits   | s placed in freezer  |         |
| Temp should be above freezing to 6.0°C   |            |              |                |                    | , ,              |                                 |                | Ax 12151             | 77      |
| USDA Regulated Soil ( ZN/A, water sample   | le]        | £            | F.             | Date and Ini       | tials of pe      | erson exami:                    | ning conter    | nts: A) 12 5         | u       |
| Did samples originate in a quarantine zone v   | within the | United Sta   | tes: AL, AR, C | A, FL, GA, ID, LA, | MS, NC.          |                                 |                | from a foreign sourc |         |
| NM, NY, OK OR SC TN TX or VA (check man)   | ls 🔲 k     | es 🗆 No      |                |                    |                  | including H                     | lawaii and P   | uerto Rico)? 🛮 Yes   | s)X( No |
| If Yes to either question, fill out a Regula   | ted Soil C | hecklist (   | F-LI-C-010) :  | and include wit    | h SCUR/C         | OC paperwo                      | irk            | 124                  |         |
| and the same of th |            |              |                |                    |                  | CON                             | MENTS:         |                      |         |
| Chain of Custody Present:  | Wes        | ÒNo          |                | i.                 |                  |                                 |                |                      |         |
| Chain of Custody Filled Out:   | ⊠Yes       | □No          |                | 2_                 |                  |                                 |                |                      |         |
| Chain of Custody Relinquished:   | elles      |              |                | 3.                 |                  |                                 |                |                      | 1       |
| Sampler Name & Signature on COC:   | Nes        |              | □N/A           | 4_                 | 8                |                                 |                |                      |         |
| Samples Arrived within Hold Time:  | Yes        |              |                | 5.                 |                  |                                 |                |                      |         |
| Short Hold Time Analysis (<72hr):  | PYes       | , DNo        |                | 6.                 |                  |                                 |                |                      |         |
| Rush Turn Around Time Requested:   | □Yes       | PNO          |                | 7_                 |                  | I                               |                |                      |         |
| Sufficient Volume: (Triple volume provided for   |            | □No          |                | 8.                 |                  |                                 | -              |                      |         |
| Correct Containers Used:   | ZYes       | □No          |                | 9.                 |                  |                                 |                |                      |         |
| -Pace Containers Used:   | Eyes       | □No          |                |                    |                  | 4                               |                |                      |         |
| Containers Intact:   | Ves        | □No          |                | 10.                |                  |                                 |                |                      |         |
| Filtered volume received for Dissolved tests   | -          | □No ₃        | QN/A           | 11. N              | ote if sedin     | nent is visible                 | e in the disso | olved container.     |         |
| Sample Labels match COC:   | 7) Øres    | □No          |                | 12.                |                  |                                 | 43 6           |                      |         |
| -Includes date/time/ID, Matrix: SI/WI,   |            | 0.10         |                |                    |                  | <b>≋</b> 8 ¥8                   | 2              | 56 Sec. 10           |         |
| All containers needing preservation have be  |            | □No          | - DN/A         | 13.                | HNO <sub>3</sub> | □H <sub>z</sub> SO <sub>4</sub> | □ №0Н-         | □ HC1                |         |
| checked?   | 93, 0      |              |                |                    |                  |                                 |                |                      |         |
| pH paper Lot #   |            |              |                |                    |                  |                                 |                |                      |         |
| All containers needing preservation are four   | nd to be   |              |                | . Sample #         |                  |                                 |                |                      |         |
| in compliance with method recommendation   | n?         |              | /              | 1                  |                  |                                 |                |                      |         |
| (HNO3, HzSO4, HCI, NaOH>9 Sulfide,   | □Yes       | □No          | E PON/A        | 1                  |                  |                                 |                |                      |         |
| NAOH>12 Cyanīde)   |            |              | •              |                    |                  |                                 | 124 8          | **                   | 9       |
| Exceptions: VOA, Coliform, TOC/DOC, Oil and  | Grease,    |              |                |                    |                  | <u> </u>                        | <u> </u>       | In . /r              | entire  |
| DR0/8015 (water).  |            |              | ()⊛(           | Initial when co    | ompleted:        | Lot # of add                    |                | Date/Time preserv    | auve    |
| Per Method, VOA pH is checked after analysi  |            |              | -/-            | 1                  |                  | preservative                    | 27             | added:               |         |
| Samples checked for dechlorination:  | □Yes       |              | DN/A           | 14.                |                  |                                 |                |                      |         |
| KI starch test strips Lot #  |            |              | ~              |                    |                  | 011 * = =                       |                |                      |         |
| Residual chlorine strips Lot #   |            |              | -/-            |                    | tive for Res     | s. Chlorine? Y                  | N              |                      |         |
| SM 4500 CN samples checked for sulfide?  | □Yes       | □No          | DAV/A          | 15.                |                  | r. 1. 0                         |                |                      |         |
| Lead Acetate Strips Lot #  |            | The State of | 1              |                    | tive for Sul     | ride? Y                         | N .            |                      |         |
| Headspace in VOA Vials ( >6mm):  | ∴Yes       | □No          | DN/A           | 16.                |                  |                                 |                |                      | -       |
| Trip Blank Present   | □Yes       | DW0          | □N/A           | 17.                |                  |                                 |                |                      |         |
| Trip Blank Custody Seals Present   | □Yes       | ONO          | DM/A           |                    |                  |                                 |                |                      |         |
| Pace Trip Blank Lot # (if applicable):   |            |              |                |                    | • 12             |                                 |                |                      |         |
| Client Notification/ Resolution:   |            |              |                | Field Data Req     |                  | Y                               | ∫ N ≅          |                      |         |
| Person Contacted:  |            |              |                | Da                 | te/Time:         |                                 |                |                      |         |
| Comments/ Resolution:  |            |              |                |                    |                  |                                 |                |                      |         |
|  |            |              |                |                    |                  |                                 |                |                      |         |
|  |            |              |                |                    |                  |                                 | 40 W           |                      |         |
|  |            |              |                |                    | *****            |                                 |                |                      |         |
|  |            |              |                |                    |                  |                                 |                |                      | 01      |

ENV-FRM-MELV-0024 01

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





December 07, 2022

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

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

Pace Project No.: 70238750

### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

**Enclosures** 

cc: Ericka Seiler, KOMAN Government Services, LLC



Melville, NY 11747 (631)694-3040



### **CERTIFICATIONS**

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

Pace Project No.: 70238750

Pace Analytical Services Long Island

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

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

New York Certification #: 10478 Primary Accrediting Body

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

Virginia Certification # 460302



### **SAMPLE SUMMARY**

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

Pace Project No.: 70238750

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



### **SAMPLE ANALYTE COUNT**

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

Pace Project No.: 70238750

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

PACE-MV = Pace Analytical Services - Melville

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



### **ANALYTICAL RESULTS**

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

Pace Project No.: 70238750

Date: 12/07/2022 10:30 AM

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

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

Melville, NY 11747 (631)694-3040



### **ANALYTICAL RESULTS**

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

Pace Project No.: 70238750

Date: 12/07/2022 10:30 AM

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

Report

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

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

Pace Analytical Services - Melville

**Total Coliforms Absent** 12/05/22 17:15 12/06/22 11:15 E.coli Absent 12/05/22 17:15 12/06/22 11:15

(631)694-3040



### **ANALYTICAL RESULTS**

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

Pace Project No.: 70238750

Date: 12/07/2022 10:30 AM

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

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

Pace Project No.: 70238750

**Parameters** 

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

Limit

10

Date: 12/07/2022 10:30 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** 12/05/22 17:15 12/06/22 11:15 E.coli **Absent** 12/05/22 17:15 12/06/22 11:15

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### **ANALYTICAL RESULTS**

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

Pace Project No.: 70238750

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

30

Date: 12/07/2022 10:30 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: GAC-3S/4S BAC SERIES 12/5

Pace Project No.: 70238750

Date: 12/07/2022 10:30 AM

QC Batch: 284865 Analysis Method: SM22 9223B Colilert

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

Laboratory: Pace Analytical Services - Melville

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

METHOD BLANK: 1439129 Matrix: Drinking Water

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

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

 E.coli
 Absent
 12/06/22 11:15

 Total Coliforms
 Absent
 12/06/22 11:15

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



### **QUALIFIERS**

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

Pace Project No.: 70238750

### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 12/07/2022 10:30 AM



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

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

Pace Project No.: 70238750

Date: 12/07/2022 10:30 AM

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

# WO#:70238750



curately.

| S         |  | Section B       |                           |             |          |         |  |           |                | Section                     |             | /02      | 30            | 30           |                |          |        |          |                        |      |              |        |          |         | -        |      |              | _                       |                            |   |         |
|-----------|--|-----------------|---------------------------|-------------|----------|---------|--|-----------|----------------|-----------------------------|-------------|----------|---------------|--------------|----------------|----------|--------|----------|------------------------|------|--------------|--------|----------|---------|----------|------|--------------|-------------------------|----------------------------|---|---------|
| Section A | Client Information:  | Required Pro    | inct l                    | Informa     | ation:   |         |  |           |                |                             |             | nform    | ation:        | -            | -              |          |        |          |                        |      |              |        |          |         |          | - 1  | Page         | ÷                       | 1                          | Of  | 1       |
| Company:  |  |                 | _                         |             |          |         |  |           |                | Attention: Accounts Payable |             |          |               |              |                |          |        |          |                        | _    | age          | _      |          |         |          |      |              |                         |                            |   |         |
| Address:  | KOMAN Government Solutions, LLC<br>180 Gordon Dr., Suite 110 |                 | NCD                       | rt Greg     | ory      |         |  |           |                | 311                         |             |          | : KC          |              |                |          | ant Sc | dutio    | ne I                   | I.C. | _            | _      |          | -       |          |      |              |                         |                            |   |         |
| Address.  |  | Сору то.        | NCD                       | ОП          | _        | _       | _  | _         |                | Addre                       | _           |          | CCOU          |              |                |          |        |          | _                      |      |              | _      |          | +       | _        |      | Re           | gulate                  | ory Agency                 | v   |         |
| Email: R  | Exton, PA  | Purchase Ord    | or#:                      | 02          | 2607-204 | 1       |  |           | -              | Pace                        | Carrier San |          | 5000          | IIISE        | dyd            | DIC (C   | aron.  | IGIT     | 40.0                   | 9111 |              | _      | _        | -       | _        | _    | 110          | guidic                  | n j rigene                 |   |         |
| -         | (610) 400-0636 Fax:  | Project Name    |                           |             |          |         | FACILIT  | v         | $\dashv$       | _                           |             |          | anage         | r.           | Kir            | nher     | ese f  | tool     | Land                   | acel | ahs o        | nom    |          | +       |          |      |              | tate /                  | Location                   |   | _       |
| Phone:    |  | Project #: 026  |                           |             | -IVIERRI | CK OF   | FACILIT  | 1         |                | Pace                        |             |          | anage         |              | IXII           | Dell     | CYNI   | lau      | rest to                | ace  | GD3,0        | 30/71  | _        | +       |          | _    |              | _                       | NY                         |   |         |
| Requested | Due Date;  | Project w. 020  | V/-20                     | -           |          |         |  |           |                | ace                         | FIOI        | nie ir.  |               | _            | _              | _        | -1     | -        | -                      | Pag  | waste        | nd An  | alysis l | Eiltore | d (V/K   | ñ    |              |                         | NI                         | _   |         |
|           |  |                 | 21                        |             | _        |         |  |           | 1              |                             | _           | _        | _             | _            |                |          | -      |          |                        | Red  | desid        | T All  | 11 1 1   | T       | T        | 1    | _            |                         |                            |   |         |
| 1 1       |  |                 | o lef                     | C=COMP)     |          |         |  |           | ш              |                             |             | _        |               |              |                |          | - 1    | ≷        |                        |      |              |        |          | 1       |          |      |              | - 0/                    |                            |   |         |
| 1 1       | MATRIX   | CODE            | es 1                      | ğ L         |          | COLL    | ECTED  |           | В              |                             | _           |          | rese          | rvat         | ives           |          | _      | ᅬ        | $\Box$                 | _    | $\downarrow$ | _      |          |         |          | _    |              | _                       |                            |   |         |
|           | Drinking \<br>V/ater   | √ater DW<br>V√T | (see valid codes to left) | 0           |          |         |  |           | COLLECTION     |                             | - 1         |          |               |              |                | 1 1      | - 1    | - 1      |                        | - 1  |              | 1      |          |         | П        |      |              |                         |                            |   |         |
|           | Waste W  |                 | 뼿                         | (G=GRAB     |          |         |  |           | =              |                             | - 1         |          |               |              |                | Н        |        | اي       |                        |      |              |        |          |         |          |      |              | ξĺ                      |                            |   |         |
|           | SAMPLE ID Product Soll/Solid                                 | SL              | ge                        | 5           | STA      | RT      | l e  | ND        | ŭ              | က္ခ                         | - 1         |          |               |              |                | 1 1      | - 1    | Test     | <u>=</u>               |      | 1            |        |          |         | 1.1      |      |              | ٥                       |                            |   |         |
| 1 1       | One Character per box.                                       | OL<br>WP        |                           | _           |          |         | <del>                                     </del> |           | SAMPLE TEMP AT | CONTAINERS                  | _           |          |               |              |                | 1 1      |        | S        | Colilert (Fecal/Ecoli) |      |              |        |          |         |          |      |              | Residual Chlorine (Y/N) |                            |   |         |
| l l       | (A-Z, 0-9 / , -) Air Other                                   | AR<br>QT        | MATRIX CODE               | SAMPLE TYPE |          |         | 1  |           |                | Ι                           | Unpreserved |          |               | 1            | ا <sub>ص</sub> | 1_1      | - 1    | Analyses | ecs                    |      |              |        |          |         | 1        |      |              | [호]                     |                            |   |         |
| #         | Sample lds must be unique Tissue                             | TS              | ≚                         | 삘           | - 1      |         |  |           | ÿ              | ģ l                         | esel        | 4        | <sub>20</sub> | _            | 18             | ang      |        | <u> </u> | F F                    |      | 1            |        |          |         |          |      |              | gra                     |                            |   |         |
| ITEM      |  |                 | AT                        | AMP.        |          |         |  |           | AMP            | # OF                        | 흔           | H2S04    |               | NaOH         | Na2S203        | Methanol | Other  | ₹۱       | o iie                  | - 1  | 1            |        |          |         | 1 1      |      |              | l sei                   |                            |   |         |
| -         |  |                 | Σ                         | ω L         | DATE     | TIME    | DATE   | TIME      | S              | **                          | -           |          | T   T         | 14           | 12             | 2        | 9      |          | 0                      | -    | +            | +      | -        | +       | $\vdash$ | -    | +-           | ┝╧┼                     |                            |   |         |
| 1         | GAC-3S/4S-Vesse#100-0  |                 | DW                        | G           |          | 12.     | 5.22.  | 830       |                | 1 >                         | x           |          |               |              | L              |          |        | - [      | Х                      |      |              |        |          | 1       |          |      |              |                         |                            |   |         |
| 2         | GAC-3S/4S-Vesse#100-2  |                 | DW                        | G           |          | 15      | 522  | 851       |                | 1 >                         | x           |          |               |              |                |          |        |          | x                      |      |              |        |          |         |          |      |              |                         |                            |   |         |
| 3         | GAC-3S/4S-Vesse#100-5  |                 | DW                        | G           |          | 12      | 5.22   | 3:55      |                | 1 >                         | ×           |          |               |              |                |          |        |          | х                      |      |              |        |          |         |          |      |              |                         |                            |   |         |
| 4         | GAC-3S/4S-Vessel#100-10                                      |                 | DW                        | G           |          | 12      | 5:22   | 9:00      |                | 1 )                         | ×           |          |               |              |                |          |        | ı        | x                      |      |              |        |          |         |          |      |              |                         |                            |   |         |
| 5         | GAC-3S/4S-Vessel#100-30                                      |                 | DW                        | G           |          |         |  | 9:30      |                | 1                           | x           |          |               |              |                |          |        | ı        | x                      |      |              |        |          |         |          |      |              |                         |                            |   |         |
| 6         |  |                 |                           |             |          |         |  |           | П              |                             |             |          | T             |              |                |          |        | -        | П                      |      |              |        |          |         |          |      |              | 1                       |                            |   |         |
|           |  |                 |                           |             |          |         |  |           | Ħ              | T                           |             |          | +             | T            | T              | П        |        | 1        |                        |      | 1            | $\top$ |          | 1       | T        |      | T            | İİ                      |                            |   |         |
| 7         |  |                 | Н                         | $\vdash$    |          |         | 1  |           | Н              | $\forall$                   | 7           | $\vdash$ | +             | T            | ╁              |          | H      |          |                        | 7    | +            |        |          | +       | +        |      | +            | l                       |                            |   |         |
| 8         |  |                 | Н                         | -           |          |         |  |           | $\vdash$       | $\dashv$                    | -           | +        | +             | +            | ╁              | $\vdash$ | Н      | 1        | $\vdash$               | +    | +            | +      | H        | +       | +        | +    | +            | łł                      |                            |   |         |
| 9         |  |                 |                           |             | -        |         | -  |           | $\vdash$       | $\dashv$                    | -           | $\dashv$ | +             | -            | +              | -        | =      |          | $\vdash$               | -    | -            | -      | $\vdash$ | +       | +        | -    | +            | 1                       |                            |   |         |
| 10        |  |                 | Ш                         |             |          |         |  |           | ⊢              | Н                           | _           | $\vdash$ | +             | +            | -              |          | Н      |          | _                      | -    | +            | +      | -        | +       | ╁        | -    | +            |                         |                            |   |         |
| 11        |  |                 | Ц                         |             |          |         |  | ļ         |                | Ц                           |             |          | _             | $\downarrow$ | ļ_             |          |        |          | Ц                      | _    | 4            | -      |          | _       | -        | _    | 4            |                         |                            |   |         |
| 12        |  |                 |                           |             |          |         |  | ļ         |                |                             |             | Ц        |               |              | _              |          |        |          |                        |      |              |        | Ш        |         | $\perp$  | Ш    | $\downarrow$ | Ш                       |                            |   |         |
|           | ADDITIONAL COMMENTS  |                 | RELIN                     | QUISHE      | DBYIA    | FFILATI | ON   | DAT       | E              | 1                           | ПМЕ         |          |               | _            | ACC            | EPTE     | D BY   | / AF     | FILIA                  | TION | -            |        | D/       | ATE     |          | TIME |              |                         | SAMPLE C                   | ONDITIONS   | š       |
|           |  | (Ka             | m                         |             | rilde    | Z X     |  | 135       | 25             |                             |             |          | /             | Kee          |                | a        | 1      | T        |                        | in   |              |        | 3.       | 5       | 10       | 232  |              | 5                       | V                          | N   | 1       |
|           |  | - Du            | 0                         | - 11        | UU       | 14)     | /  | 700       |                |                             |             | _        | 1             |              |                | JL       | _      | 11/2     |                        | _    |              |        |          |         | 10       | ~ 74 | 1            | _                       |                            | 1   | -/-     |
|           |  | - 1             | V                         |             | 00       |         | _  | -         |                |                             | _           |          |               |              | _              |          | _      | _        |                        |      |              |        |          |         | +        |      | ╁            | $\neg$                  |                            |   |         |
|           |  |                 |                           |             |          |         |  |           |                |                             | _           | -        |               |              | _              | _        |        |          |                        |      |              |        |          |         | $\vdash$ |      | ╁            | $\dashv$                |                            |   |         |
|           |  |                 |                           |             |          | SAMPL   | ER NAMI  | AND SIG   | NATI           | JRE                         |             |          | 1111          | -            |                |          | 753    | -        |                        |      |              | - "    |          |         |          |      | $\top$       |                         | c                          |   |         |
| •         |  |                 |                           |             |          | PR      | INT Nam  | e of SAMF | LER:           | _                           | Rar         | ndv F    | loffm         | naste        | er. A          | _        | ,      |          |                        |      |              |        |          |         |          |      |              | i i                     | Received on<br>ce<br>(Y/N) | od<br>od<br>od<br>od<br>od<br>od<br>od<br>od<br>od<br>od<br>od<br>od<br>od<br>o | oles    |
|           |  |                 |                           |             |          | SIC     | NATURE   | of SAMP   | LER            |                             | la.         | 4 /      |               | L.K          |                | 7        | 7      |          | 1                      | DATE | Signe        | d:/    | 15       | 2       | 2        |      | 7            | TEMP                    | Se CE                      | Custody<br>Sealed<br>Cooler<br>(Y/N)  | Samples |

| Pace Analytical   | Client              | Name:            | ۸.          |                | " WO#              | :702             | 23875                                    | 0               |
|---|---------------------|------------------|-------------|----------------|--------------------|------------------|--|-----------------|
| Cousing St. 15 St. 1990 St. 1990 St.  |                     | VIVIA            | Pace Oth    | ner .          |                    |                  | Due Date:                                |                 |
| Courier: Fed Ex UPS USPS Clien  | il LLomi            | nerciai L        | race Un     |                | PM: KMM            | Wee              | Due Date:                                | 12/12/22        |
| Tracking #:   |                     | Caple            | intact: []Y | es No N/       | CLIENT:            | KGS              |  |                 |
| Custody Seal on Cooler/Box Present:   |                     |                  |             |                |                    |                  |  |                 |
| Packing Material: Bubble Wrap Bubb  | ie gadz - {         | Japioc<br>Japioc | Dione Do    | 1              | (1/2)              | o colom          | e, cooling process                       | s has benun     |
| Thermometer Used: THI48   | Correc              | tion Fact        | or: + O.    | ted(°C): 39    |                    |                  | e, cooling process<br>I35A kits placed i |                 |
| Cooler Temperature (°C): 3.8  | Cooler              | Tempera          | tale correc | iteur CJ. 27   | , Ud               | te/ time 50      | 1934 Kit2 higgen i                       | III II CCCO     |
| Temp should be above freezing to 6.0°C USDA Regulated Soil [ VN/A, water samp | le)                 |                  | •           | Date and In    | itials of person   | examining        | contents: 🕅                              | 12/5/22         |
| Did samples originate in a quarantine zone                                    |                     | •:<br>United Sta | tes AL AR C |                |                    |                  | rignate from a for                       |                 |
| NM, NY, OK, OR, SC, TN, TX, or VA (check map                                  | ທູດແກັດນະ<br>ໄລ 🗆 V | os DNO           |             | 8              | inc                | ludino Hawa      | aii and Puerto Ric                       | o]? 🛛 Yes🂢 No   |
| If Yes to either question, fill out a Regula                                  | tog Coil U          | hacklist (       | F-11-C-010) | and include wi | th SCUR/COC n      | anerwork         |  | ,               |
| Thes to either question, ill out a kegula                                     | 160 2011 6          | TICONISC (       | i Li o cio, |                | ar every see p     | COMME            | NIS-                                     |                 |
| Chain of Custody Present:   | ØYes                | ÖNo              |             | 1.             |                    |                  |  |                 |
| Chain of Custody Filled Out:  | Ø/es                | □No              |             | 2              |                    |                  |  |                 |
| Chain of Custody Relinquished:  | es                  |                  |             | 3.             |                    |                  |  |                 |
|   | Ves                 | □No              | □N/A        | 4.             |                    |                  |  | 7.12            |
| Sampler Name & Signature on COC:  |                     | □No              | LityA       | 5.             |                    |                  |  |                 |
| Samples Arrived within Hold Time:   | Yes                 |                  |             | 6.             |                    |                  |  |                 |
| Short Hold Time Analysis (<72hr):   | Wes                 | . □No            |             | 7.             | I                  |                  |  |                 |
| Rush Turn Around Time Requested:  | □Yes                | ONO              |             | 8.             |                    |                  |  |                 |
| Sufficient Volume: (Triple volume provided formatter)                         |                     | □No              |             | 9.             |                    | 011              |  |                 |
| Correct Containers Used:  | eryes               |                  |             | 15.            | (2                 |                  |  |                 |
| -Pace Containers Used:  | ziYes_              |                  |             | 10.            |                    |                  |  |                 |
| Containers Intact:  | ØYes                |                  | ØM/A        |                | Inte if sediment   | is visible in    | the dissolved con                        | tainer.         |
| Filtered volume received for Dissolved tests                                  |                     | □No -            | ÇAN/ A      | 12.            | tote ii scuintent  | 12 4121010 111   | the dissolved out                        | control,        |
| Sample Labels match COC:  | Deles               | רואט             |             | 1              | S.                 | v.               |  |                 |
| -Includes date/time/ID/Matrix: SI/WI  |                     | □No              | PIDN/A      | 13.            | i HNO³ □ H         | <sub>2</sub> SO₄ | I NaOH- □ H                              | ICI             |
| All containers needing preservation have be checked?                          | en Lies             |                  | Jan Taran   |                | ,o <sub>3</sub> 2  | 2004             |  |                 |
| pH paper Lot #  |                     |                  |             |                |                    |                  |  |                 |
| All containers needing preservation are four                                  | nd to be            |                  |             | . Sample #     |                    |                  |  |                 |
| in compliance with method recommendation                                      |                     |                  |             | 1              |                    |                  |  |                 |
| (HNO3, H2SO4, HCl, NaOH>9 Sulfide,  | □Yes                | □No              | N/A         |                |                    |                  |  |                 |
| NAOH>12 Cyanide)  |                     |                  |             |                |                    |                  | * 5                                      | 92 a            |
| Exceptions: VOA, Coliform, TOC/DOC, Oil and                                   | Grease,             |                  |             |                |                    |                  |  |                 |
| DRO/8015 (water).   |                     |                  | :€:         | Initial when c |                    | # of added       | 13.0 (2)                                 | me preservatīve |
| Per Method, VOA pH is checked after analysi                                   | is                  |                  |             |                | pres               | ervative:        | added:                                   |                 |
| Samples checked for dechlorination:   | □Yes                | □No              | DNIA        | 14_            |                    |                  |  |                 |
| KI starch test strips Lot #   |                     |                  | <i>*</i>    |                |                    |                  |  |                 |
| Residual chlorine strips Lot #  |                     |                  |             |                | itive for Res. Chl | orine? Y N       |  |                 |
| SM 4500 CN samples checked for sulfide?                                       | □Yes                | □No              | DN/A        | 15.            |                    |                  |  |                 |
| Lead Acetate Strips Lot #   |                     |                  |             |                | itive for Sulfide? | YN               |  |                 |
| Headspace in VOA Vials ( >6mm):   | ⊡Yes                | □No              | DM7A        | 16.            |                    |                  |  |                 |
| Trip Blank Present:   | □Yes                | DINO             | □N/A        | 17_            |                    |                  |  |                 |
| Trip Blank Custody Seals Present  | □Yes                | □No              | DMA         |                |                    |                  |  |                 |
| Pace Trip Blank Lot # (if applicable):  |                     |                  | -56<br>     |                |                    |                  |  |                 |
| Client Notification/ Resolution:  |                     |                  |             | Field Data Red | •                  | Υ /              | N ×                                      |                 |
| Person Contacted:   |                     |                  |             | Da             | ate/Time:          |                  |  |                 |
| Comments/ Resolution:   |                     |                  |             |                |                    |                  |  |                 |
|   | -                   |                  |             |                |                    | -:               |  |                 |
|   |                     |                  |             |                |                    | - 3              |  |                 |
|   |                     |                  |             |                |                    |                  |  |                 |
|   |                     |                  |             |                |                    |                  |  |                 |

ENV-FRM-MELV-0024 01

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





December 07, 2022

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

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

Pace Project No.: 70238749

### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

**Enclosures** 

cc: Ericka Seiler, KOMAN Government Services, LLC



(631)694-3040



### **CERTIFICATIONS**

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

Pace Project No.: 70238749

Pace Analytical Services Long Island

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

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

New York Certification #: 10478 Primary Accrediting Body

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

Virginia Certification # 460302



### **SAMPLE SUMMARY**

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

Pace Project No.: 70238749

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



### **SAMPLE ANALYTE COUNT**

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

Pace Project No.: 70238749

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

PACE-MV = Pace Analytical Services - Melville

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



### **ANALYTICAL RESULTS**

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

Pace Project No.: 70238749

Date: 12/07/2022 10:30 AM

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

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

Pace Project No.: 70238749

Date: 12/07/2022 10:30 AM

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

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

(631)694-3040



### **ANALYTICAL RESULTS**

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

Pace Project No.: 70238749

Date: 12/07/2022 10:30 AM

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

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

Pace Project No.: 70238749

**Parameters** 

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

Limit

10

Date: 12/07/2022 10:30 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** 12/05/22 17:15 12/06/22 11:15 E.coli **Absent** 12/05/22 17:15 12/06/22 11:15

CAS No.

Analyzed

(631)694-3040

Qual



### **ANALYTICAL RESULTS**

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

Pace Project No.: 70238749

**Parameters** 

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

Limit

Date: 12/07/2022 10:30 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** 12/05/22 17:15 12/06/22 11:15 E.coli **Absent** 12/05/22 17:15 12/06/22 11:15



### **QUALITY CONTROL DATA**

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

Pace Project No.: 70238749

Date: 12/07/2022 10:30 AM

QC Batch: 284865 Analysis Method: SM22 9223B Colilert

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

Laboratory: Pace Analytical Services - Melville

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

METHOD BLANK: 1439129 Matrix: Drinking Water

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

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

E.coli Absent 12/06/22 11:15
Total Coliforms Absent 12/06/22 11:15

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



### **QUALIFIERS**

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

Pace Project No.: 70238749

### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 12/07/2022 10:30 AM



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

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

Pace Project No.: 70238749

Date: 12/07/2022 10:30 AM

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



W0#:70238749

ent

DATE Signed:

12522

Norther

pleted accurately. Section B Section C Section A Of Page: Invoice Information: Required Project Information: Required Client Information: Attention: Accounts Payable Report To: Company Robert Gregory KOMAN Government Solutions, LLC Company Name: KOMAN Government Solutions, LLC Copy To: NCDOH Address: 180 Gordon Dr., Suite 110 Regulatory Agency Address: accountspayable@komangs.com Exton. PA Pace Quote: Purchase Order #: 02607-204 Fmall: RGregory@komangs.com Kimberley, Mack@Pacelabs, com State / Location Pace Project Manager: Project Name: NYAW-MERRICK OPS FACILITY Fax: Phone: (610) 400-0636 NY Pace Profile #: Project #: 02607-204 Requested Due Date: Requested Analysis Filtered (Y/N) (see valid codes to left) (G=GRAB C=COMP) Preservatives COLLECTED SAMPLE TEMP AT COLLECTION MATRIX CODE Drinking Water ΟW 'Valer Residual Chlorine (Y/N) WW Waste Water Analyses Test Product Collert (FecaVEcoll) SAMPLE ID Sol/Schd END START # OF CONTAINERS OL WP Oil Wipe One Character per box. MATRIX CODE SAMPLE TYPE Unpreserved AR (A-Z, 0-9 / , -) Na2S203 Methanol OT Other # H2S04 Sample Ids must be unique NaOH Σ Other 모 TIME Ε TIME DATE DATE 5-229130 GAC-3S/4S-Vessel#200-0 DW G DW GAC-3S/4S-Vessel#200-2 G GAC-3S/4S-Vessel#200-5 DW G 3 DW GAC-3S/4S-Vessel#200-10 G GAC-3S/4S-Vessel#200-30 DW 5 6 7 8 9 10 11 12 SAMPLE CONDITIONS ACCEPTED BY / AFFILIATION DATE TIME RELINQUISHED BY / AFFILIATION TIME ADDITIONAL COMMENTS 2-32 175 age 13 SAMPLER NAME AND SIGNATURE PO EMP in ( PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER:

| Pace Analytical  | Client      | Name:       | . 1               | Pi               | WO#              | : 70               | 1238   | 74       | 9               |
|--|-------------|-------------|-------------------|------------------|------------------|--------------------|--|----------|-----------------|
|  |             | () MU       | $\mathcal{N}_{-}$ |                  | DM. VMI          | 4                  |  |          |                 |
| Courier: Fed Ex UPS USPS Officent                                      | Comr        | nercial (   | Dace Dth          | ner              | CLIENT           | 1                  | Due Da   | te:      | 12/12/22        |
| Tracking #:  |             | <i>j</i>    |                   |                  | CLIENT           | KGS                |  |          |                 |
| Custody Seal on Cooler/Box Present:                                    | es No       |             |                   | es No N/A        |                  |                    |  |          |                 |
| Packing Material: Bubble Wrap Bubble                                   | e Bags    ( | _Ziploc     | □yous □0          | ther             |                  |                    | VVEL DIO   |          |                 |
| Thermometer Used: TH148  | Correc      | ction Fact  | or: $+ 0$ .       |                  |                  |                    | ice, cooling p   |          |                 |
| Cooler Temperature(°C): 3.8  | Cooler      | Tempera     | iture Correc      | ted(°C): 39      | 0                | late/Time          | 5035A kits pl  | laced in | freezer         |
| Temp should be above freezing to 6.0°C                                 |             |             |                   |                  |                  |                    |  | •        | 10177           |
| USDA Regulated Soil [ JN/A, water sample                               | e)          |             | -                 | Date and Initi   | ials of perso    | nimsxə no          | ing contents   | FTD      | 45/4            |
| Did samples originate in a quarantine zone w                           |             | United Sta  | ites: AL, AR, C   |                  |                  |                    | s orignate from  |          |                 |
| NM, NY, OK, OR, SC, TN, TX, or VA (check map)                          |             | es 🗆 No     |                   |                  | ir               | noluding H         | awaii and Pue  | rto Rico | ]? □Yes🏹 No     |
| If Yes to either question, fill out a Regulat                          | ed Soil C   | hecklist l  | F-LI-C-010)       | and include with | SCUR/COC         | paperwoi           | k.   |          | •               |
| in 100 to citaler question, the out a kegulat                          | 00 3011 0   | , rootero e |                   |                  |                  | СОМ                | MENTS:   |          |                 |
| Chain of Custody Present:  | ⊠Yes        | ∴No         |                   | 1.               |                  |                    |  |          |                 |
| Chain of Custody Filled Out:   | ØYes        | □No         |                   | 2                |                  |                    |  |          |                 |
| Chain of Custody Relinquished:   | elles       |             |                   | 3.               |                  |                    |  |          | 4               |
| Sampler Name & Signature on COC:                                       | Ves         |             | □N/A              | 4.               | 100              |                    |  |          |                 |
| Samples Arrived within Hold Time:                                      | Yes         |             | CIN THE           | 5.               |                  |                    |  |          |                 |
| Short Hold Time Analysis (<72hr):                                      | eres        | . DNo       |                   | 6.               |                  |                    |  |          |                 |
| Rush Turn Around Time Requested:                                       | □Yes        | . ∟ivo      |                   | 7.               |                  | 1                  |  |          |                 |
|  |             | □No         |                   | 8.               |                  |                    |  |          |                 |
| Sufficient Volume: (Triple volume provided fo Correct Containers Used: | ØYes        |             |                   | 9.               |                  |                    |  |          |                 |
|  | Dies Dies   | □No         |                   |                  | 19               |                    |  |          |                 |
| -Pace Containers Used:   | Ves         |             |                   | 10_              | 7                |                    |  |          |                 |
| Filtered volume received for Dissolved tests                           | □Yes        |             | ON/A              |                  | te if sedimen    | it is visible      | in the dissolv   | ed cont  | ainer.          |
| Sample Labels match COC:   | Dies        |             | · -               | 12.              |                  | 101010             | THE CHARGE STATE OF THE CASE O |          |                 |
| -Includes date/time/ID, Matrix: SL/WT                                  |             | LIVO        |                   | 1,52             |                  | (4)                |  |          |                 |
| All containers needing preservation have been                          |             | □No         | - DIN/A           | 13. 🖸 1          | HNO <sub>3</sub> | H <sub>z</sub> SO₄ | □ МаОН-  | O HC     | 1               |
| checked?   | H CI CO     | ٥،٠٠        |                   |                  | -                | - '                |  |          |                 |
| pH paper Lot #   |             |             |                   | _                |                  |                    |  |          |                 |
| All containers needing preservation are foun                           | d to be     |             |                   | Sample #         |                  |                    |  |          |                 |
| in compliance with method recommendation                               |             |             |                   |                  |                  |                    |  |          |                 |
| (HNO3, H2SO4, HCI, NaOH>9 Sulfide,                                     | □Yes        | □No         | M/A               | ĺ                |                  |                    |  |          |                 |
| NAOH>12 Cyanide)   |             |             |                   |                  |                  |                    | :00 2  |          | 8 8             |
| Exceptions: VOA, Coliform, TOC/DOC, Oil and 0                          | rease,      |             |                   |                  |                  |                    | 7.5  |          |                 |
| DRO/8015 (water).  |             |             | 383               | Initial when cor |                  | t#ofadd            |  | 2020 B   | ne preservative |
| Per Method, VOA pH is checked after analysis                           | ·           |             |                   |                  | pro              | eservative:        | . a  | dded:    |                 |
| Samples checked for dechlorination:                                    | □Yes        | □No         | DN/A              | 14_              |                  |                    |  |          |                 |
| KI starch test strips Lot #  |             |             |                   |                  | . ( 5 5)         |                    |  |          |                 |
| Residual chlorine strips Lot #   |             |             | -/-               |                  | ive for Res. Cl  | hlorine? Y         | N  |          |                 |
| SM 4500 CN samples checked for sulfide?                                | □Yes        | □No         | DIV/A             | 15.              | . ( . 0 10 1     | 2 1/               |  |          |                 |
| Lead Acetate Strips Lot #  |             |             | di                |                  | ive for Sulfide  | 9? Y               | И.   |          |                 |
| Headspace in VOA Vials ( >6mm):  | ÙYes        | □No         | EN/A              | 16.              |                  |                    |  |          |                 |
| Trip Blank Present:  | □Yes        | DKO.        | ON/A              | 17.              |                  |                    |  |          |                 |
| Trip Blank Custody Seals Present                                       | □Yes        | ONO         | DATA              | 1                |                  |                    |  |          |                 |
| Pace Trip Blank Lot # (if applicable):                                 |             |             |                   |                  |                  |                    |  |          |                 |
| Client Notification/ Resolution:                                       |             |             |                   | Field Data Requ  |                  | Υ                  | / N =  |          |                 |
| Person Contacted:  |             |             |                   | Uati             | e/Time:          |                    |  |          |                 |
| Comments/ Resolution:  |             |             |                   |                  |                  |                    | 100  |          |                 |
|  |             |             |                   |                  |                  |                    |  |          |                 |
|  |             | 28          |                   |                  |                  |                    | (  |          |                 |
|  |             |             |                   |                  | 1-12             |                    |  |          |                 |
|  |             | -           | -                 |                  |                  |                    | V.S.   |          |                 |

ENV-FRM-MELV-0024 01

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





December 12, 2022

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

RE: Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

**Enclosures** 

cc: Ericka Seiler, KOMAN Government Services, LLC



(631)694-3040



### **CERTIFICATIONS**

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Pace Analytical Services Long Island

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

Maryland Certification #: 208 Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

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

Virginia Certification # 460302



# **SAMPLE SUMMARY**

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

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



# **SAMPLE ANALYTE COUNT**

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

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

PACE-MV = Pace Analytical Services - Melville



## **ANALYTICAL RESULTS**

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Date: 12/12/2022 11:42 AM

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

09338(INFLUENT)

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: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Date: 12/12/2022 11:42 AM

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

09338(INFLUENT)
Report

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: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Date: 12/12/2022 11:42 AM

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

09338(INFLUENT)

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: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Date: 12/12/2022 11:42 AM

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

09338(INFLUENT)

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: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Date: 12/12/2022 11:42 AM

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

09338(INFLUENT)

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



#### **QUALITY CONTROL DATA**

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Date: 12/12/2022 11:42 AM

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

METHOD BLANK: 1442508 Matrix: Drinking Water

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

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

 E.coli
 Absent
 12/08/22 11:35

 Total Coliforms
 Absent
 12/08/22 11:35

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



## **QUALIFIERS**

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 12/12/2022 11:42 AM



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: NYAW-MERRICK BACT SERIES 12/7

Pace Project No.: 70238982

Date: 12/12/2022 11:42 AM

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



# **CHAIN-OF-CUSTO**

The Chain-of-Custody is a LE

WO#:70238982

Section B Section C Section A Of Required Project Information: Involce Inform Page: Required Client Information: Report To: Attention: Robert Gregory Accounts Payable KOMAN Government Solutions, LLC Сору То: Company Name: KOMAN Government Solutions, LLC Address: 180 Gordon Dr., Suite 110 NCDOH accountspayable@komangs.com Address: Regulatory Agency Exton, PA Purchase Order #: 02607-005 Pace Quote: State / Location Project Name: Pace Project Manager: Kimberley.Mack@Pacelabs.com Fax NYAW-MERRICK OPS FACILITY (610) 400-0636 Pace Profile #: NY Requested Due Date: Project #: 02607-204 Requested Analysis Filtered (Y/N) C=COMP) COLLECTED Preservatives (see valid codes to I MATRIXO CODED DWO Drinking Water□ WTD Waterdi (G=GRAB WWD Waste Water□ Residual Chlorine (Y/N) Productio Analyses Test PSC (VOCs by 524.2) SAMPLE ID Soil/SolidD SLO START END Ollo OLG SAMPLE TEMP AT (522) One Character per box. Wipetil MATRIX CODE SAMPLE TYPE AlrB Unpreserved (A-Z, 0-9 / , -) Other) Na2S2O3 Sample lds must be unique Methanol H2S04 ITEM HNO3 NaOH Other 덛 TIME DATE TIME DATE 001 Well 4 N-09338 (Influent) - 0 DW G 859 Welly N-09378 -2 Well-41 N-09338 - 5 9'00 3 41-11-4 N-09338 - 10 Well-4 N-09838-30 5 Well-1 N-09338- D 7 8 9 10 11 12 SAMPLE CONDITIONS DATE TIME **RELINQUISHED BY / AFFILIATION** DATE ACCEPTED BY / AFFILIATION ADDITIONAL COMMENTS

Page SAMPLER NAME AND SIGNATURE 13 of PRINT Name of SAMPLER: Randy Hoffmaster

SIGNATURE of SAMPLER:

27.22

DATE Signed: 12.7.2022

Received on Icell (Y/N)

WO#:70238982

PM: KMM

Due Date: 12/14/22

Use Point Number Sp

CLIENT: KGS

Client: KGS Profile # 5456

WORK ORDER: Well 4 N-09338 BACT SERIES Notes

| COC<br>Line<br>Item | NG9N | VG9C | УСЭН | VG9S | DG9Y | DG9P | DG9A | DG6T | DG9S | AG4U | AG3U | AG2U | AG10 | AG34 | AG3S | AG4E | AG3T | AG2R | AG1T | AG1H | AG1A | CG1U | BP4U | BP3U | BP2U | BP1U | BP3S | BP2S | BP4N | BP3N | BP2N | ВРЗС | BP3T | BP3R | BP1Z | BP1N | BP1B | SP5T | œ | WG2U | NGFU | WGKU | WGDU | ZPLC | N<br>G<br>N | WP | 100 | SOC |   |   |   |   |   |        |   |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|-------------|----|-----|-----|---|---|---|---|---|--------|---|
| 1                   |      |      |      |      |      |      |      |      |      |      |      |      | Γ    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      | 1    |      | 1    |   |      |      |      |      |      |             |    | _   | -   |   | T | 1 |   | П |        |   |
| 2                   |      |      |      |      |      |      |      |      |      |      |      | T    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ı    |   |      |      |      |      |      |             | T  | ٦   |     |   |   | T |   |   |        |   |
| 3                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |   |      |      |      |      |      |             |    |     |     |   |   |   | П |   |        |   |
| 4                   |      |      |      |      | li   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ľ    |      |      |      |      |      |      |      |      |      |      |      | 1    |   |      |      |      |      |      |             | T  | T   |     |   |   | T | П |   |        |   |
| 5                   |      |      |      |      |      |      |      |      |      | j    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |   |      |      |      |      |      |             |    |     |     |   |   |   |   |   |        |   |
| 6                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |             |    |     |     |   |   |   |   |   |        |   |
| 7                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |             | T  | T   |     |   |   |   |   |   | $\Box$ |   |
| 8                   |      |      |      |      |      |      |      |      |      | Ī    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |             |    |     |     |   |   |   |   |   | П      | П |
| 9                   |      | Ш    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |             |    |     | T   | T | 7 | T |   |   |        |   |
| 10                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |             |    |     |     |   |   |   |   |   |        |   |
| 11                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |      |             | T  |     |     |   |   |   |   |   |        | П |
| 12                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | П    |      |      |   |      |      |      |      |      |             |    | T   | T   |   |   |   |   |   |        |   |

Container Codes

|      | GI                       | ass  |                          |      | Plastic                |      | MIsc.                  |
|------|--------------------------|------|--------------------------|------|------------------------|------|------------------------|
| VG9U | 40mL unpres clear vial   | AG4U | 125mL unpres amber       | BP4U | 125mL unpreserved      | SP5T | 120mL Coliform Na Thio |
| VG9C | 40mL Ascorbic-HCI        | AG3U | 250mL unpres amber       | BP3U | 250mL unpreserved      | R    | Terracore Kit          |
| VG9H | 40mL HCl clear vial      | AG2U | 500mL unpres amber       | BP2U | 500mL unpreserved      | WG2U | 2oz Unpreserved Jar    |
| VG9S | 40mL Sulfuirc clear vial | AG1U | 1liter unpres amber      | BP1U | 1L unpreserved plastic | WGFU | 4oz Unpreserved Jar    |
| DG9T | 40mL Na Thiosulfate vial | AG34 | Ammonium CI 250mL        | BP4N | 125mL HNO3 plastic     | WGKU | 8oz Unpreserved Jar    |
| DG9Y | 40mL Citrate-Na          | AG3S | 250mL H2SO4 amber        | BP3N | 250mL HNO3 plastic     | WGDU | 16oz Unpreserved Jar   |
| DG9P | 40mL amber vial - TSP    | AG4E | 125mL EDA amber          | BP2N | 500mL HNO3 plastic     | ZPLC | Ziplock Bag            |
| DG9A | Ascorbic/Maleic Acid     | AG3T | 250mL Na Thio amber      | BP3S | 250mL H2SO4 plastic    | TEDL | Tedlar Bag             |
| DG6T | Na Thio 60mL Vial        | AG2R | Na Sulfite 500mL (blue   | BP2S | 500mL H2SO4 plastic    | BG1H | 1L HCL Clear Glass     |
| DG9S | Ammonium Cl/CuSO4        | AG1T | Na Thiosulfate 1L bottle | BP3C | NaOH 250mL bottle      | GN   | General                |
| CG1U | 1L Unpres Jar (Con Ed)   | AG1H | 1L HCI amber glass       | BP3T | 250mL Trizma           | WP   | Wipe                   |
|      |                          | AG1A | 1L Ammonium Chloride     | BP35 | 250mL Ammonium         |      | L. P.                  |
| WG90 | 8oz clear soil jar       |      |                          | BP3R | 250mL NH4SO4-          | 1    |                        |
| WG40 | 4oz clear soil jar       |      |                          | BP1Z | 1L NaOH, Zn Acetate    | 1    |                        |
|      |                          |      |                          | BP1N | 1L HNO3 plastic        | 1    |                        |
|      |                          | =    |                          | BP1B | Na Thiosulfate Amber   | 1    |                        |

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

| Can | alen | ha o | DOAN |
|-----|------|------|------|

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

| SOC                      |  |
|--------------------------|--|
| 40mL Na Thio amber       | 2  |
| 40mL Ascorbic acid       | 2  |
| Citrate/Na Thiosulfate   | 2  |
| Na Thiosulfate 60mL vial | 1  |
| 250mL unpres amber       |  |
| Na Thiosulfate 250mL     |  |
| Na Thiosulfate Amber     | [[   |
| Na Thiosultate 1L        | 2  |
| (NH4CL)                  | 2  |
|                          | 40mL Na Thio amber 40mL Ascorbic acid Citrate/Na Thiosulfate Na Thiosulfate 60mL vial 250mL unpres amber Na Thiosulfate 250mL Na Thiosulfate Amber Na Thiosulfate 1L |

**Additional Comments** 

=> BACT SERIES.

Page 14 of 15

| /<br>Courier:  |               | Name:           | 35             | )ther          |                    | · KMM                           |            | 8982  Date: 12/14/      |
|--|---------------|-----------------|----------------|----------------|--------------------|---------------------------------|------------|-------------------------|
| Tracking #:  | neurcom       | merciai         | Lace []        | met            |                    | IENT: KGS                       | Du         | B Date: 12/14/          |
| Custody Seal on Cooler/Box Present:                                  | Yes □ N       | o Seals         | intact:        | Yes No         |                    | 1                               |            |                         |
| Packing Material: 🗀 Bubble Wrap 🦳 Bu                                 | ubble Bags    | Ziploc          | None [         | )Other         | nova,              | Type of Ic                      | e: Wet     | Blue None               |
| Thermometer Used: TH148  |               |                 | or: + C        |                |                    |                                 |            | ling process has begun  |
| Cooler Temperature (°C): /-2   | Coole         | r Tempera       | ture Corr      | ected(°C):     | ブラ                 |                                 |            | its placed in freezer   |
| Temp should be above freezing to 6.0°C                               | <del></del>   | ii .            |                |                |                    |                                 |            | no process in traces.   |
| USDA Regulated Soil [ 🖾 N/A, water sar                               | mple)         |                 | 8              | Date           | and Initials of p  | oerson examii                   | າເກດ conf  | ents: <i>SH 12/4</i> /  |
| Did samples originate in a quarantine zor                            |               | Inited Sta      | ites Al AR     |                |                    |                                 |            | e from a foreign source |
| VM, NY, OK, OR, SC, TN, TX, or VA (check m                           |               | ornica sic      | tos. AC, AC,   | 0.000          | 10, 50, 115, 116,  |                                 | -          | Puerto Rico)? Yes       |
| f Yes to either question, fill out a Regi                            | ulated Soil ( | hecklist (      | F_I I_C_010    | and incl       | ide with SCIID/    | וו פוווטטוטון וו                | awaii aliu | Puer to kicoja — 1es)   |
| to otellor question, fill out a keyl                                 | Jiateu Son C  | incoxiist (     | 1 11 0 010     | J ditta titici | ade with scory     |                                 | MENTS:     |                         |
| Chain of Custody Present   | □Yes.         | □No             |                | L              |                    | COM                             | MEI/12:    |                         |
| Chain of Custody Filled Out:   | ⊠Yes          |                 |                | 2              |                    |                                 |            |                         |
| Chain of Custody Relinquished:                                       | erres         |                 | -              | 3.             |                    |                                 |            | - v                     |
| Sampler Name & Signature on COC:                                     |               |                 | □N/A           | 4.             |                    |                                 |            |                         |
| Samples Arrived within Hold Time:                                    | Dires         | □No             | LIN/A          | 5.             | *                  |                                 |            |                         |
| thort Hold Time Analysis (<72hr):                                    | OYes          | □No             |                | 6.             |                    |                                 |            |                         |
| lush Turn Around Time Requested:                                     | ØYes          | □No             |                |                |                    |                                 |            |                         |
|  | □Yes          | GW <sub>0</sub> |                | 7.             |                    |                                 |            |                         |
| ufficient Volume: (Triple volume provided<br>orrect Containers Used: |               | □No             |                | 8.             |                    |                                 |            |                         |
| -Pace Containers Used:   | QYes          | □No             | /              | 9.             |                    | www.com                         |            |                         |
| ontainers Intact:  | DYes -        | ONo ON          |                | 10             |                    | A = 7.9%                        |            |                         |
| iltered volume received for Dissolved tes                            | ØYes          | □No             | Sula           | 10.            | M-4- 16 - 17       |                                 |            |                         |
| ample Labels match COC:  | ts 🗆 Yes      |                 | A/N/A          | 11.            | Note it seat       | ment is visible                 | in the dis | solved container.       |
| -Includes date/time/ID/Matrix: SL W                                  |               | □No             |                | 12             | ¥.                 |                                 |            |                         |
| Il containers needing preservation have t                            | VI UIL        | □No             | ON/A           | 13.            | □ HNO <sub>3</sub> | DII 00                          | C 11 011   | - UN                    |
| hecked?  | Jeen Lives    | UNU             | <b>C</b> DIV/A | 15.            | ่ บุนทุก³          | □H <sub>2</sub> SO <sub>4</sub> | □ №        | □ HCl                   |
| H paper Lot #  |               |                 | 8              |                | -                  |                                 | 1.00       |                         |
| I containers needing preservation are fo                             | and to be     |                 |                | Sampl          | e #                |                                 |            |                         |
| compliance with method recommendat                                   | ion?          |                 |                | air.           |                    |                                 |            |                         |
| INO3, H2SO4, HCI, NaOH>9 Sylfide.                                    | □Yes          | □No             | DN/A           |                |                    |                                 |            |                         |
| AOH>12 Cyanide)  |               |                 |                | 1              |                    | 32 100                          | ÷          |                         |
| cceptions: VOA, Coliform, TOC/DOC, Oil and                           | d Grease.     |                 |                |                |                    |                                 |            | *                       |
| RO/8015 (water)  |               |                 |                | Initial w      | hen completed:     | Lot # of adde                   | d d        | Date/Time preservat     |
| r Method, VOA pH is checked after analy                              | rsis          |                 |                |                | 94                 | preservative:                   | 3          | added:                  |
| mples checked for dechlorination:                                    | □¥es          | □No             | □N/A           | 14.            |                    | p. ocot radio.                  |            | dudeo.                  |
| starch test strips Lot #   |               |                 |                |                |                    |                                 |            |                         |
| sidual chlorine strips Lot #   | # 1 R         |                 |                |                | Positive for Re:   | Chlorine? Y                     | N          |                         |
| 1 4500 CN samples checked for sulfide?                               | □Yes          | □No             | DHA            | 15.            |                    | 4                               |            |                         |
| ad Acetate Strips Lot #  |               |                 | <              |                | Positive for Sul   | fide? γ                         | N          |                         |
| adspace in VOA Vials ( >6mm):  | □Yes          | □No             | ØN/A           | 16.            |                    | 1.00.                           | K          |                         |
| p Blank Present  | □Yes          | □No             | ON/A           | 17.            |                    |                                 |            |                         |
| p Blank Custody Seals Present  | □Yes          | □No             | ØN/A           |                |                    |                                 |            |                         |
| ce Trip Blank Lot # (if applicable):                                 |               | 0               |                |                |                    |                                 | 761        |                         |
| ent Notification/ Resolution:  |               |                 |                | Field Da       | a Required?        | Y                               | / N        |                         |
| rson Contacted:  |               |                 |                | _ 3 50         | Date/Time:         |                                 | y IV       |                         |
| mments/ Resolution:  |               |                 |                |                | = 22.07            |                                 |            |                         |
| ·  |               |                 |                |                |                    |                                 |            |                         |
|  |               |                 |                |                |                    |                                 |            |                         |
|  |               |                 |                |                |                    |                                 |            |                         |
|  |               |                 |                |                |                    | 186                             |            |                         |





December 12, 2022

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

RE: Project: NYAW MERRICK DIST BACT 12/7

Pace Project No.: 70238983

## Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

**Enclosures** 

cc: Ericka Seiler, KOMAN Government Services, LLC







# **CERTIFICATIONS**

Project: NYAW MERRICK DIST BACT 12/7

Pace Project No.: 70238983

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 DIST BACT 12/7

Pace Project No.: 70238983

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



# **SAMPLE ANALYTE COUNT**

Project: NYAW MERRICK DIST BACT 12/7

Pace Project No.: 70238983

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

PACE-MV = Pace Analytical Services - Melville



# **ANALYTICAL RESULTS**

Project: NYAW MERRICK DIST BACT 12/7

Pace Project No.: 70238983

Date: 12/12/2022 11:43 AM

| Sample: WELL-4 N-09338 | Lab ID: | 70238983001                          | Collecte        | d: 12/07/2    | 2 09:27  | Received: 12/    | 07/22 13:22 Ma | atrix: Drinking \ | Nater |
|------------------------|---------|--------------------------------------|-----------------|---------------|----------|------------------|----------------|-------------------|-------|
| Parameters             | Results | Units                                | Report<br>Limit | Reg.<br>Limit | DF       | Prepared         | Analyzed       | CAS No.           | Qual  |
| MBIO Total Coliform DW | ,       | al Method: SM22<br>alytical Services |                 | ilert Prepa   | ration M | lethod: SM22 922 | 3B Colilert    |                   |       |
| Total Coliforms        | Absent  |                                      |                 |               | 1        | 12/07/22 17:35   | 12/08/22 11:35 |                   |       |
| F.coli                 | Absent  |                                      |                 |               | 1        | 12/07/22 17:35   | 12/08/22 11:35 |                   |       |



#### **QUALITY CONTROL DATA**

Project: NYAW MERRICK DIST BACT 12/7

Pace Project No.: 70238983

QC Batch: 285483

QC Batch Method: SM22 9223B Colilert

Analysis Method:

SM22 9223B Colilert

Analysis Description: TotCoIDW MBIO Total Coliform

Laboratory:

Pace Analytical Services - Melville

Qualifiers

Associated Lab Samples: 70238983001

METHOD BLANK: 1442508

Matrix: Drinking Water

Associated Lab Samples: 70238983001

Blank Reporting

Absent

Absent

Parameter Units Result Limit Analyzed

12/08/22 11:35 12/08/22 11:35

E.coli Total Coliforms

Date: 12/12/2022 11:43 AM

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



## **QUALIFIERS**

Project: NYAW MERRICK DIST BACT 12/7

Pace Project No.: 70238983

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 12/12/2022 11:43 AM



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: NYAW MERRICK DIST BACT 12/7

Pace Project No.: 70238983

Date: 12/12/2022 11:43 AM

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



KOMAN Government Solutions, LLC

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

Accounts Payable

Attention:

CHAIN-OF-CUSTODY / Analytical Request Do WO#:70238983

Section C Section A Section B Required Client Information: Required Project Information: Involce Information:

Robert Gregory

Report To:

Address: 180 Gordon Dr., Suite 110 Copy To: NCDOH Company Name: KOMAN Government Solutions, LLC Exton, PA accountspayable@komangs.com Regulatory Agency Email: RGregory@komangs.com Purchase Order #: 02607-005 Pace Quote: Fax: Project Name: Pace Project Manager: (610) 400-0636 NYAW-MERRICK OPS FACILITY Kimberley Mack@Pacelabs.com State / Location Project #: 02607-204 Pace Profile #: Requested Due Date: NY Requested Analysis Filtered (Y/N) valid codes to left) C=COMP) COLLECTED Preservatives MATRIXO CODED Drinking Water D DWa B WTo Waterfi (G=GRAB wwo Waste Water D Residual Chlorine (Y/N) Producta **Analyses Test** 35C (VOCs by 524.2) SAMPLE ID SLO Soil/adida START END Ollo OLO One Character per box. Wipe SAMPLE TYPE Alro (A-Z, 0-9 / , -) Olherg Sample Ids must be unique ITEM 오 DATE 17.22 8-55 Well 4 N-09338 (influent) - 0 DW G Welly N-09338 -127-22 859 2 Well-41 N-09338 - 5 1722 9:00 3 41-11-4 N-09338 - 10 WE 11-4 N-09838-30 5 Well-1 N-09338-14.7.22 972 8 9 10 11 12 RELINQUISHED BY / AFFILIATION DATE SAMPLE CONDITIONS ADDITIONAL COMMENTS **ACCEPTED BY / AFFILIATION** DATE E 1 2.7.22 10:35 T age SAMPLER NAME AND SIGNATURE 9 PRINT Name of SAMPLER: Received of Ice (Y/N) Randy Hoffmaster SIGNATURE of SAMPLER:

Sample Container Count

WO#:70238983

CLIENT: KGS

Client: KGS Profile# 5456

WORK ORDER: Well-4 N-09338 D157 BACT Notes

|                     |        | -14  |      |      |      |      | _    | <u>. 11</u> |      |      |      |   |      | _    |      |      |      |      |      |      |      |      | v    |      |      |       | <br> |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 77. | 100  |      |      | -    |      |     |     |   |     |     | <br> | <br> | <br> |
|---------------------|--------|------|------|------|------|------|------|-------------|------|------|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|-----|-----|---|-----|-----|------|------|------|
| COC<br>Line<br>Item | Matrix | VG9U | VG9C | VG9H | VG9S | DG9T | Деэд | DG9P        | DG9A | DGET | 0000 | 1 | A640 | AG3U | AG2U | AG10 | AG34 | AG3S | AG4E | AG3T | AG2R | AG1T | AG1H | AG1A | CG1U | BP411 | Brsu | BP2U | BP10 | BP3S | BP2S | BP4N | BP3N | BP2N | ВРЗС | BP3T | BP35 | BP3R | BP1Z | BP1N | BP1B | SP5T | œ   | WG2U | WGFU | WGKU | WGDU | 2010 | i U | N D | 5 | 3 5 |     |      |      |      |
| _1                  |        |      |      |      |      |      |      |             |      |      |      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |     |      |      |      |      |      |     |     |   |     |     |      |      |      |
| 2                   |        |      |      |      |      |      |      |             |      |      |      |   |      | 1    |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |     |     |   |     |     |      |      | I    |
| 3                   |        |      |      |      |      |      |      |             |      |      |      | Î |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |     |     |   |     |     |      |      |      |
| 4                   |        |      |      |      |      |      |      |             |      |      |      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1   |      |      |      |      |      |     |     |   |     | II. |      |      |      |
| 5                   |        |      |      |      |      |      |      |             |      |      |      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |     |     |   |     |     |      |      |      |
| 6                   |        |      |      |      |      |      |      |             |      |      |      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |     |     |   |     |     |      |      |      |
| 7                   |        |      | Ш    |      |      |      |      |             |      |      |      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |     |     |   |     |     |      |      |      |
| 8                   |        |      |      |      |      |      |      |             |      |      |      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |     |     |   |     |     |      |      |      |
| 9                   |        |      |      |      |      |      |      |             |      |      |      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Ĺ   |      |      |      |      |      |     |     |   |     |     |      | ij.  |      |
| 10                  |        |      |      |      |      |      |      |             |      |      |      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |     |     |   |     |     |      |      |      |
| 11                  |        |      |      |      |      |      |      |             |      |      |      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |     |     |   |     |     |      |      |      |
| 12                  |        |      |      |      |      |      |      |             |      |      |      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |     |     |   |     |     |      |      |      |

Container Codes

|      | Gla                      | ass  |                          |      | Plastic                |      | Misc.                  |
|------|--------------------------|------|--------------------------|------|------------------------|------|------------------------|
| VG9U | 40mL unpres clear vial   | AG4U | 125mL unpres amber       | BP4U | 125mL unpreserved      | SP5T | 120mL Coliform Na Thio |
| VG9C | 40mL Ascorbic-HCI        | AG3U | 250mL unpres amber       | BP3U | 250mL unpreserved      | R    | Terracore Kit          |
| VG9H | 40mL HCl clear vial      | AG2U | 500mL unpres amber       | BP2U | 500mL unpreserved      | WG2U | 2oz Unpreserved Jar    |
| VG9S | 40mL Sulfuirc clear vial | AG1U | 1liter unpres amber      | BP1U | 1L unpreserved plastic | WGFU | 4oz Unpreserved Jar    |
| DG9T | 40mL Na Thiosulfate vial | AG34 | Ammonium CI 250mL        | BP4N | 125mL HNO3 plastic     | WGKU | 8oz Unpreserved Jar    |
| DG9Y | 40mL Citrate-Na          | AG3S | 250mL H2SO4 amber        | BP3N | 250mL HNO3 plastic     | WGDU | 16oz Unpreserved Jar   |
| DG9P | 40mL amber vial - TSP    | AG4E | 125mL EDA amber          | BP2N | 500mL HNO3 plastic     | ZPLC | Ziplock Bag            |
| DG9A | Ascorbic/Maleic Acid     | AG3T | 250mL Na Thio amber      | BP3S | 250mL H2SO4 plastic    | TEDL | Tedlar Bag             |
| DG6T | Na Thio 60mL Vial        | AG2R | Na Sulfite 500mL (blue   | BP2S | 500mL H2SO4 plastic    | BG1H | 1L HCL Clear Glass     |
| DG9S | Ammonium CI/CuSO4        | AG1T | Na Thiosulfate 1L bottle | BP3C | NaOH 250mL bottle      | GN   | General                |
| CG1U | 1L Unpres Jar (Con Ed)   | AG1H | 1L HCl amber glass       | ВР3Т | 250mL Trizma           | WP   | Wipe                   |
|      |                          | AG1A | 1L Ammonium Chloride     | BP35 | 250mL Ammonium         |      |                        |
| WG9O | 8oz clear soil jar       |      |                          | BP3R | 250mL NH4SO4-          | Ţ    |                        |
| WG40 | 4oz clear soil jar       | ]    |                          | BP1Z | 1L NaOH, Zn Acetate    | ]    |                        |
|      |                          |      |                          | BP1N | 1L HNO3 plastic        |      |                        |
|      |                          | -    |                          | BP1B | Na Thiosulfate Amber   | 1    |                        |

|       | IOC                    | l |
|-------|------------------------|---|
| BP1U  | 1L unpreserved plastic | Ī |
| BP3N* | 250mL HNO3 plastic     | T |
| врзс  | 250mL Sodium           | T |
| AG2U  | 500mL unpres amber     | T |

Use Point Number Spi

<sup>\*</sup> Can also be a BP4N

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

|     | Matrix             |   |
|-----|--------------------|---|
| VΤ  | Water              |   |
| L   | Solid              |   |
| AL  | Non-aqueous Liquid |   |
| L   | OIL                |   |
| ۷P  | Wipe               |   |
| ۱۸/ | Drinking Water     | Т |

Additional Comments

| / Pace Analytical  | Client      | Mame:           |                | P                                      | roject#         |                          |                           |
|--|-------------|-----------------|----------------|--|-----------------|--------------------------|---------------------------|
| ,  |             |                 | ' <'           | 47                                     | TOPECT #        | :7023                    | 18983                     |
|  | t Como      | nercial [       | Pace □         | ther                                   | MOH             | 1020                     | e Date: 12/14/22          |
| Tracking #:  | ( (         |                 |                |  | PM: KM          | IM Du                    | e Date: 12/17/22          |
| Custody Seal on Cooler/Box Present:  | 'es □ No    | Seals           | intact: 🔲 '    | Yes No No                              | CLIENT          | : KGS                    |                           |
| Packing Material: Bubble Wrap Bubb   |             |                 |                |  |                 |                          |                           |
| Thermometer Used: 7/1148   |             |                 | or: + 0,       |  | P               | Samples on ice, co       | ooling process has begun  |
| Cooler Temperature(°C): /-2  | Cooler      | Tempera         | ture Correc    | cted(°C): /3                           |                 |                          | kits placed in freezer    |
| Temp should be above freezing to 6.0°C   |             |                 |                |  |                 |                          | 1.1                       |
| USDA Regulated Soil ( N/A water sampl  | el          |                 | 8              | Date and Initi                         | ials of pers    | on examining co          | ntents: 5H 12/4/22        |
| Did samples originate in a quarantine zone v   |             | Et2 hatin       | tes AL AR (    |  |                 |                          | ate from a foreign source |
| NM, NY, OK, OR, SC, TN, TX, or VA (check map)  |             | es $\square$ No | (03, AL, AI, 0 |  |                 |                          | nd Puerto Rico]? Yes X N  |
| If Yes to either question, fill out a Regula   |             |                 | =_U-C-018)     | and include with                       |                 |                          | TO FOR TO MICOLE - 16324  |
| to state question, in out a regula   | (60 5011 0  |                 | <u> </u>       | 10                                     | . 00014 000     | COMMENTS                 |                           |
| Chain of Custody Present:  | DYes-       | □No             |                | l.                                     |                 | OUT TELLIO               | B A                       |
| Chain of Custody Filled Out:   | WYes        | □No             |                | 2                                      |                 |                          |                           |
| Chain of Custody Relinquished:   | ZiYes       |                 |                | 3.                                     |                 |                          |                           |
| Sampler Name & Signature on COC:   | □ires       |                 | □N/A           | 4_                                     |                 |                          |                           |
| Samples Arrived within Hold Time:  | Dres        |                 |                | 5.                                     |                 |                          | *                         |
| Short Hold Time Analysis (<72hr):  | eyes        |                 |                | 6.                                     |                 |                          |                           |
| Rush Turn Around Time Requested:   | □Yes        | ISKO            |                | 7.                                     |                 |                          |                           |
| Sufficient Volume: (Triple volume provided fo  |             | □No             |                | 8.                                     |                 |                          |                           |
| Correct Containers Used:   | QYes        | □No             |                | 9.                                     |                 |                          |                           |
| Pace Containers Used:  | Yes         | □No             |                |  |                 |                          |                           |
| Containers Intact:   | @Yes        | □No             |                | 10.                                    |                 |                          |                           |
| Filtered volume received for Dissolved tests   | □Yes        | □No             | N/A            | 11_ Not                                | e if sedimer    | nt is visible in the c   | fissolved container.      |
| Sample Labels match COC:   | Ves         | □No             |                | 12_                                    |                 |                          |                           |
| -Includes date/time/ID/Matrix- SL WT   | OIL         |                 |                |  |                 |                          | 20 PE                     |
| All containers needing preservation have bee   | n 🗆Yes      | □No             | ØN/A           | ß. □H                                  | NO <sub>3</sub> | H <sub>z</sub> SO₄ □ NaC | OH CI HCI                 |
| checked?   |             |                 | 100            | _                                      | 701 (2)         |                          | (44) F                    |
| pH-paper Lot #   |             |                 |                | Cample #                               | 525             | - 4                      |                           |
| All containers needing preservation are found  | d to be     |                 |                | Sample #                               |                 |                          |                           |
| in compliance with method recommendation (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NapH=9 Syllide, |             | □No             | DIN/A          |  |                 |                          |                           |
| NAOH>12 Cyanide)   | □Yes        | LINO            | KINA           | N                                      |                 | E                        | E.                        |
| Exceptions: VOA, Coliform, 10C/DOC, Oil and G  | ranca       |                 |                | 1                                      |                 | 73                       | #<br>10                   |
| DRO/8015 (water)   | rease,      |                 |                | Initial when com                       | noleted- Ita    | t # of added             | Date/Time preservative    |
| Per Method, VOA pH is checked after analysis   |             |                 |                | ······································ |                 | eservatīve <del>.</del>  | added:                    |
| Samples checked for dechlorination:  | □¥es        | □No             | ON/A           | 14.                                    | - In            | SON VOLIVO.              | added.                    |
| KI starch test strips Lot #  | E1400       |                 | Tea.           |  |                 |                          |                           |
| Residual chlorine strips Lot #   | ¥ 9         |                 |                | Positiv                                | e for Res. Ch   | nlorine? Y N             |                           |
| SM 4500 CN samples checked for sulfide?  | □Yes        |                 | DHA            | 15.                                    | v               |                          |                           |
| Lead Acetate Strips Lot #  |             |                 | <b>&lt;</b>    | Positiv                                | e for Sulfide   | ? Y N                    |                           |
| Headspace in VOA Vials ( >6mm):  | □Yes        | □No             | PM/A           | 16.                                    |                 |                          |                           |
| Trip Blank Present   | □Yes        | □No             | ON/A           | 17.                                    |                 |                          |                           |
| Trip Blank Custody Seals Present   | □Yes        | □!No            | EN/A           | 1                                      |                 |                          |                           |
| Pace Trip Blank Lot # (ii applicable)  |             |                 |                |  |                 |                          |                           |
| Client Notification/ Resolution:   |             |                 |                | Field Data Requir                      | red?            | Y / N                    |                           |
| Person Contacted:  |             |                 |                | Date/                                  | /Time:          |                          |                           |
| Comments/ Resolution:  |             |                 |                |  |                 |                          |                           |
|  |             |                 |                |  |                 |                          |                           |
|  |             |                 |                |  |                 |                          |                           |
|  |             |                 |                |  |                 |                          |                           |
| PM (Project Manager) review is documented o  | electronica | Ily in LIMS     |                |  |                 |                          | ENV-FRM-MELV-0026 01      |





December 12, 2022

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

RE: Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

## Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

**Enclosures** 

cc: Ericka Seiler, KOMAN Government Services, LLC





# **CERTIFICATIONS**

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

Pace Analytical Services Long Island

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

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

New York Certification #: 10478 Primary Accrediting Body

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

Virginia Certification # 460302



# **SAMPLE SUMMARY**

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

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



# **SAMPLE ANALYTE COUNT**

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

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

PACE-MV = Pace Analytical Services - Melville



**ANALYTICAL RESULTS** 

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

Date: 12/12/2022 11:43 AM

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

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: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

Date: 12/12/2022 11:43 AM

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

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: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

Date: 12/12/2022 11:43 AM

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

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: NYAW MERRICK BACT SERIES 12/7

Results

Pace Project No.: 70238985

**Parameters** 

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

Limit

10

Date: 12/12/2022 11:43 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

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



## **ANALYTICAL RESULTS**

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

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

30

Date: 12/12/2022 11:43 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: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

Date: 12/12/2022 11:43 AM

QC Batch: 285483 Analysis Method: SM22 9223B Colilert

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

Laboratory: Pace Analytical Services - Melville

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

METHOD BLANK: 1442508 Matrix: Drinking Water

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

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

 E.coli
 Absent
 12/08/22 11:35

 Total Coliforms
 Absent
 12/08/22 11:35

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



## **QUALIFIERS**

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 12/12/2022 11:43 AM



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238985

Date: 12/12/2022 11:43 AM

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

## WO#:70238985

| 21 W 12 1 CARESCEN |   |
|--------------------|---|
|                    | ш |
|                    | ш |
|                    | ш |
|                    | ш |

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section C Requ 70238985 ct Information: Invoice Information: Comp. Chiras Constituting Conditions, LLC Page: Robert Gregory Of Attention: Address: Accounts Payable 180 Gordon Dr., Suite 110 Copy To: NCDOH Company Name: KOMAN Government Solutions, LLC Exton, PA Address: addountspayable@komangs.com Email: RGregory@komangs.com Purchase Order #: Regulatory Agency 02607-204 Pace Quote: (610) 400-0636 Project Name: NYAW-MERRICK OPS FACILITY Pace Project Manager: Kimberley, Mack@Pacelabs.com Requested Due Date: Project #: 02607-204 State / Location Pace Profile #: NY Requested Analysis Filtered (Y/N) left) C=COMP) valid codes to MATRIX COLLECTED CODE Preservatives SAMPLE TEMP AT COLLECTION Drinking Water DW Water (G=GRAB Waste Weter Product SAMPLE ID Residual Chlorine (Y/N) Sol/Solid eos) Analyses Test START END 01 OL Collect (Fecal/Ecoli) One Character per box. Wipe MATRIX CODE SAMPLE TYPE (A-Z, 0-9 / , -) AR Sample Ids must be unique Other ITEM Na2S203 Tissue H2S04 Other 달 DATE TIME DATE TIME GAC-3S/4S-Vessel#500-0 7.22 7:30 DW G 2 GAC-3S/4S-Vessel#500-2 1-1-22 7:32 DW G 3 GAC-3S/4S-Vessel#500-5 127.22 7:35 DW G GAC-3S/4S-Vessel#500-10 117227:40 DW G Х 5 GAC-3S/4S-Vessel#500-30 1.7.27 500 DW G 6 7 8 9 10 11 12 ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION SAMPLE CONDITIONS 21.22 GSOT, SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: EMP in C Randy Hoffmaster SIGNATURE of SAMPLER DATE Signed: 107-2022

WO#:70238985

|                     |        |       |      |                                       |      |      |      |      |      |      |      |      |     |    |      |      |      |      |      |      |      |      |      |      |      |      |           |          |         |     |      |      |      |      |      |      |      |      |      |      |      |         |       |       |     | _ |      | 8    | - 0. | <u> </u> | 4    |        |    | _   | _   |  | = |   |   |  | _       |   |
|---------------------|--------|-------|------|---------------------------------------|------|------|------|------|------|------|------|------|-----|----|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------|---------|-----|------|------|------|------|------|------|------|------|------|------|------|---------|-------|-------|-----|---|------|------|------|----------|------|--------|----|-----|-----|--|---|---|---|--|---------|---|
|                     | MO     | DI/ ( | Clie | DER: GAC-35/45 BACT SERIES 12/7 Notes |      |      |      |      |      |      |      |      |     |    |      | i    |      |      | Jse  | Poi  | nt N | lum  | ber  | Spre | 76   |      | l:<br>.IE |          | IM<br>: | KG  | S    |      | D    | ue   | D    | ate  | e:   | 12/  | 14   | /22  | 2    |         |       |       |     |   |      |      |      |          |      |        |    |     |     |  |   |   |   |  |         |   |
|                     | VVOI   | KK    | טאכ  | EK:(                                  | Aβ   | 7    |      | 10   | /    | 75   | ,    | 1    | 40  | /_ | _ <  | 16   | Ki   | 5    | -    | /    | 4Ott | 28_  | -    |      |      |      | _         | -        |         |     |      | _    | _    | _    | _    |      | L    |      | _    | _    | ,    | -       | _     | V     | -   | - | -    |      | -    | _        |      | -      |    | _   |     |  |   | _ | _ |  | 4       | - |
| COC<br>Line<br>Item | Matrix | VG9U  | VG9C | ИСЭН<br>М                             | VG9S | DG9T | реэд | DG9P | DG9A | DG6T | Sego | AG4U | 1 2 |    | MGZD | AG10 | AG34 | AG3S | AG4E | AG3T | 000  | AG2R | AG11 | AG1H | AG1A | CG10 | BP4U      | I I E DE | 2000    | 2 1 | BP10 | BP3S | BP2S | BP4N | BP3N | BP2N | BP3C | BP3T | BP35 | BP3R | BP47 | 20 17 D | 2 0 0 | 7 7 7 | 010 | 2 | WGZU | WGFU | WGKU | WGDU     | ZPLC | N<br>O | WP | ည္ည | soc |  |   |   |   |  |         |   |
| 1                   |        |       |      |                                       |      |      |      |      |      |      |      |      |     |    |      |      |      |      |      |      |      |      |      |      |      |      |           |          |         |     |      |      |      |      |      |      |      |      |      |      |      |         |       |       | 1   |   |      |      |      |          |      |        |    |     |     |  |   |   |   |  |         |   |
| 2                   |        |       |      |                                       |      |      |      |      |      |      |      |      |     |    |      |      |      |      |      |      |      |      |      |      |      |      |           |          |         |     |      |      |      |      |      |      |      |      |      |      |      |         |       | 1     |     |   |      |      |      |          |      |        |    |     |     |  |   |   |   |  |         |   |
| 3                   |        |       |      |                                       |      |      |      |      |      |      |      | П    |     |    |      |      |      |      |      |      |      |      |      |      |      |      |           |          |         |     |      |      |      |      |      |      |      |      |      |      |      |         |       |       |     |   |      |      |      |          |      |        |    |     |     |  |   |   |   |  |         |   |
| 4                   |        |       |      |                                       |      |      |      |      |      |      |      | Π    |     |    |      |      |      |      |      |      |      |      |      |      |      |      |           |          |         |     |      |      |      |      |      |      |      |      |      |      |      |         |       |       |     |   |      |      |      |          |      |        |    |     |     |  |   |   |   |  |         |   |
| 5                   |        |       |      |                                       |      |      |      |      |      |      |      |      |     |    |      |      |      |      |      |      |      |      |      |      |      |      |           |          |         |     |      |      |      |      |      |      |      |      |      |      |      |         |       |       |     |   |      |      |      |          |      |        |    |     |     |  |   |   |   |  |         |   |
| 6                   |        |       |      |                                       |      |      |      |      |      |      |      |      |     |    |      |      |      |      |      |      |      |      |      |      |      |      |           |          |         |     |      |      |      |      |      |      |      |      |      |      |      |         |       |       |     |   |      |      |      |          |      |        |    |     |     |  |   |   |   |  | $\perp$ |   |
| 7                   |        |       |      |                                       |      |      |      |      |      |      |      |      |     |    |      |      |      |      |      |      |      |      |      |      |      |      |           |          |         |     |      |      |      |      |      |      |      |      |      |      |      |         |       |       |     |   |      |      |      |          |      |        |    |     |     |  |   |   |   |  |         |   |
| 8                   |        |       |      |                                       |      |      |      |      |      |      |      |      |     |    |      |      |      |      |      |      |      |      |      |      |      |      |           |          |         |     |      |      |      |      |      |      |      |      |      |      |      |         |       |       |     |   |      |      |      |          |      |        |    |     |     |  |   |   |   |  |         |   |
| 9                   |        |       |      |                                       |      |      |      |      |      |      |      |      |     |    |      |      |      |      |      |      |      |      |      |      |      |      |           |          |         |     |      |      |      |      |      |      |      |      |      |      |      |         | 1     |       |     |   |      |      |      |          |      |        |    |     |     |  |   |   |   |  |         |   |
| 10                  |        |       |      |                                       |      |      |      |      |      |      |      |      |     |    |      |      |      |      |      |      |      |      |      |      |      |      |           |          |         |     |      |      |      |      |      |      |      |      |      |      |      |         |       |       |     |   |      |      |      |          |      |        |    |     |     |  |   |   |   |  |         |   |
| 11                  |        |       |      |                                       |      |      |      |      |      |      |      |      |     |    |      |      |      |      |      | Ī    |      |      |      |      |      |      |           |          |         |     |      |      |      |      |      |      |      |      |      |      |      |         |       |       |     |   |      |      |      |          |      |        |    |     |     |  |   |   |   |  |         |   |
| 12                  |        |       |      |                                       |      |      |      |      |      |      |      |      |     |    |      |      |      |      |      |      | 1    |      |      |      |      |      |           |          |         |     |      |      |      |      |      |      |      |      |      |      |      |         |       |       |     |   |      |      |      |          |      |        |    |     |     |  |   |   |   |  |         |   |
| Conta               | iner ( | oae   | es   |                                       |      |      |      |      |      |      |      |      |     |    |      |      |      |      |      |      |      |      |      |      |      |      | _         |          |         |     |      |      |      |      |      | J.   |      |      |      |      |      |         |       |       |     |   | -    |      |      |          |      |        |    |     |     |  |   |   |   |  |         |   |

|      | GI   | ass  |                          |      | Plastic                |      | Misc.                  |
|------|--|------|--------------------------|------|------------------------|------|------------------------|
| VG9U | 40mL unpres clear vial   | AG4U | 125mL unpres amber       | BP4U | 125mL unpreserved      | SP5T | 120mL Coliform Na Thio |
| VG9C | 40mL Ascorbic-HCI  | AG3U | 250mL unpres amber       | BP3U | 250mL unpreserved      | R    | Terracore Kit          |
| VG9H | 40mL HCl clear vial  | AG2U | 500mL unpres amber       | BP2U | 500mL unpreserved      | WG2U | 2oz Unpreserved Jar    |
| VG9S | 40mL Sulfuirc clear vial   | AG1U | 1liter unpres amber      | BP1U | 1L unpreserved plastic | WGFU | 4oz Unpreserved Jar    |
| DG9T | 40mL Na Thiosulfate vial   | AG34 | Ammonium CI 250mL        | BP4N | 125mL HNO3 plastic     | WGKU | 8oz Unpreserved Jar    |
| DG9Y | 40mL Citrate-Na  | AG3S | 250mL H2SO4 amber        | BP3N | 250mL HNO3 plastic     | WGDU | 16oz Unpreserved Jar   |
| DG9P | 40mL amber vial - TSP  | AG4E | 125mL EDA amber          | BP2N | 500mL HNO3 plastic     | ZPLC | Ziplock Bag            |
| DG9A | Ascorbic/Maleic Acid   | AG3T | 250mL Na Thio amber      | BP3S | 250mL H2SO4 plastic    | TEDL | Tedlar Bag             |
| DG6T | Na Thio 60mL Vial  | AG2R | Na Sulfite 500mL (blue   | BP2S | 500mL H2SO4 plastic    | BG1H | 1L HCL Clear Glass     |
| DG9S | Ammonium Cl/CuSO4  | AG1T | Na Thiosulfate 1L bottle | BP3C | NaOH 250mL bottle      | GN   | General                |
| CG1U | 1L Unpres Jar (Con Ed)   | AG1H | 1L HCl amber glass       | BP3T | 250mL Trizma           | WP   | Wipe                   |
|      |  | AG1A | 1L Ammonium Chloride     | BP35 | 250mL Ammonium         |      | 77                     |
| WG90 | 8oz clear soil jar   |      |                          | BP3R | 250mL NH4SO4-          |      |                        |
| WG40 | 4oz clear soil jar   | 1    |                          | BP1Z | 1L NaOH, Zn Acetate    | 1    |                        |
|      | The second secon | •    |                          |      |                        |      |                        |

BP1N 1L HNO3 plastic BP1B Na Thiosulfate Amber

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

| ΛŢ  | Water              |
|-----|--------------------|
| SL  | Solid              |
| NAL | Non-aqueous Liquid |
| OL  | OIL                |
| WP  | Wipe               |
| DW  | Drinking Water     |

| 7    |                          |   |
|------|--------------------------|---|
|      | soc                      |   |
| DG9T | 40mL Na Thio amber       | 2 |
| DG9A | 40mL Ascorbic acid       | 2 |
| DG9Y | Citrate/Na Thiosulfate   | 2 |
| DG6T | Na Thiosulfate 60mL vial | 1 |
| AG3U | 250mL unpres amber       |   |
| AG3T | Na Thiosulfate 250mL     |   |
| BP1B | Na Thiosulfate Amber     |   |
| AG1T | Na Thìosultate 1L        | 2 |
| AG1A | (NH4CL)                  | 2 |

Additional Comments

-> BACT SERIES

<sup>\*</sup> Can also be a BP4N

| / Pace Analytical                            | Client       | Name:         | 7 /                            |                     | Proj             | 10世:70                            | 238985                   | 5         |
|--|--------------|---------------|--------------------------------|---------------------|------------------|-----------------------------------|--------------------------|-----------|
| Continued Ford the Host of Host              |              | KG            | 5<br>7                         | iher                |                  |                                   | Due Date: 1              | 2/14/2    |
| Courier: Fed Ex UPS USPS Cilie Tracking #:   | ent LLom     | mercial i     | _race لل                       | mer                 | P                | M: KMM                            | Due Date. 1              |           |
| Custody Seal on Cooler/Box Present:          | 7/ (7)       | la Capla      | intact:                        | Yes No No           |                  | LIENT: KGS                        |                          |           |
| Packing Material: Bubble Wrap Bub            |              |               |                                |                     | A                |                                   | Mar Nee                  |           |
| Thermometer Used: 7/148                      |              |               |                                |                     |                  | 10.0                              | wet Blue None            | c         |
| Cooler Temperature (SQL)                     |              |               | or: <u>+ ()</u><br>iture Corre |                     | 3                | £                                 | e, cooling process has i |           |
| Cooler Temperature(°C): /-2                  |              | ( rempera     | note corre                     | cteut cj.           |                  |                                   | 35A kits placed in fre   | ezer      |
| Temp should be above freezing to 6.0°C       | . 1          | 2             | 2                              | Data and In         | 167-1- C         |                                   | 211                      | 1-1       |
| USDA Regulated Soil ( PN/A, water samp       |              | 3             |                                |                     |                  | ierson examining                  | contents: 5# 12          | 11/2.     |
| Did samples originate in a quarantine zone   |              | United Sta    | tes: AL, AR,                   | CA, FL, GA, ID, LA, | MS, NC,          |                                   | ignate from a foreign's  |           |
| NM. NY. OK, OR, SC, TN, TX, or VA (check mag |              | res □No       | Section 1                      | 21                  |                  |                                   | iii and Puerto Rico]?    | J Yes⊠    |
| If Yes to either question, fill out a Regul  | ated Soil (  | Checklist (   | F-LI-C-010)                    | and include wi      | th SCUR/         | COC paperwork                     | 2.                       | 30        |
|  |              |               |                                | 91                  |                  | COMME                             | V1S:                     | 5         |
| Chain of Custody Present:                    | QYes_        | □No           |                                | L                   |                  | Vac                               |                          | 85 X5     |
| Chain of Custody Filled Out-                 | <b>Ø</b> Yes | □No           |                                | 2                   |                  |                                   |                          |           |
| Chain of Custody Relinquished:               | ØYes         |               |                                | 3.                  |                  |                                   |                          |           |
| Sampler Name & Signature on COC:             | □ (es        | □No           | □N/A                           | 4.                  |                  |                                   | *                        |           |
| Samples Arrived within Hold Time:            | □ Yes        | □No           |                                | 5.                  |                  |                                   |                          | 4         |
| Short Hold Time Analysis (<72hr):            | eres         | □No           |                                | 6.                  |                  |                                   |                          |           |
| Rush Turn Around Time Requested:             | □Yes         | DANO          | 1//                            | 7.                  |                  |                                   |                          |           |
| Sufficient Volume: (Triple volume provided f |              | □No           |                                | 8.                  |                  |                                   |                          |           |
| Correct Containers Used:                     | Q*Yes        | □No           |                                | 9.                  |                  |                                   |                          |           |
| -Pace Containers Used:                       |              | No            |                                |                     |                  |                                   |                          |           |
| Containers Intact-                           | ØΥes         | □No           |                                | 10.                 |                  |                                   |                          |           |
| Filtered volume received for Dissolved tests |              | □No           | EN/A                           | 11. No              | ote if sedi      | ment is visible in t              | ne dissolved container.  |           |
| Sample Labels match COC:                     | ØYes         | □No           |                                | 12.                 |                  |                                   |                          |           |
| -Includes date/time/ID/Matrix: SL WI         | 01L          | 323           |                                |                     |                  |                                   | _                        |           |
| All containers needing preservation have be  |              | □No           | ØN/A                           | 13.                 | HNO <sub>3</sub> | □H <sub>z</sub> SO <sub>4</sub> □ | NaOH 🗆 HCI               |           |
| checked?                                     | <b>=</b> 100 |               | 197                            |                     |                  |                                   |                          | ***       |
| pH paper Lot #                               | 4            |               |                                |                     |                  | 8                                 |                          |           |
| All containers needing preservation are foun | nd to be     |               |                                | Sample #            |                  |                                   |                          |           |
| in compliance with method recommendation     |              |               |                                | *                   |                  |                                   |                          |           |
| (HNO3, H2SO4, HCI, NaOH=9 Syllide,           | □Yes         | □No           | SWA                            | i i                 |                  |                                   |                          |           |
| NAOH>12 Cyanide)                             |              |               |                                |                     |                  |                                   |                          |           |
| Exceptions: VOA Coliform 10C/DOC, Oil and    | Grease,      |               |                                |                     |                  | .160                              |                          |           |
| DRO/8015 (water)                             | 65           |               | 94<br>1.00s                    | Initial when co     | mpleted:         | Lot # of added                    | Date/Time pres           | servative |
| Per Method, VOA pH is checked after analysi  |              |               | 6.                             | 1.                  |                  | preservative:                     | added:                   | ₩•        |
| Samples checked for dechlorination:          | □¥es         | □No           | □N/A                           | 14_                 |                  |                                   |                          |           |
| KI starch test strips Lot #                  | da a         |               |                                | *                   |                  |                                   |                          |           |
| Residual chlorine strips Lot #               |              |               | -116                           |                     | ive for Res      | s. Chlorine? Y N                  |                          |           |
| SM 4500 CN samples checked for sulfide?      | □Yes         | □No           | DATA                           | 15.                 | *                |                                   |                          |           |
| Lead Acetate Strips Lot #                    |              |               | -11.                           |                     | ive for Sul      | fide? Y N                         |                          |           |
| Headspace in VOA Vials ( >6mm):              | □Yes         | □No           | ØM/A                           | 16.                 |                  |                                   |                          |           |
| Trip Blank Present                           | □Yes         | □No           | MIN/A                          | 17.                 |                  |                                   |                          |           |
| Trip Blank Custody Seals Present             | □Yes         | □!\0          | ØN/A                           |                     |                  |                                   |                          |           |
| Pace Trip Blank Lot # (if applicable):       |              |               |                                | F-110 \ -           | - 12             |                                   |                          |           |
| Client Notification/ Resolution:             |              |               |                                | Field Data Requ     |                  | Υ /                               | N                        |           |
| Person Contacted: Comments/ Resolution:      |              |               |                                | Dati                | e/Time:          |                                   |                          |           |
| CONTINUENCE VICES DIVIDIDIOS                 |              |               |                                |                     |                  |                                   |                          |           |
|  |              |               |                                |                     |                  |                                   | ( <del>f</del>           |           |
|  |              |               |                                |                     |                  | *                                 |                          |           |
|  |              |               |                                |                     | -                |                                   | 1                        |           |
| PM (Project Manager) review is documented    | electronica  | ally in LIMS. |                                | 24                  |                  | 14 E                              | ENV-FRM-MELV-            | 0024 UI   |





December 12, 2022

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

RE: Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

#### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040

Project Manager

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC





#### **CERTIFICATIONS**

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

Pace Analytical Services Long Island

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

Maryland Certification #: 208 Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987 New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

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

Virginia Certification # 460302



#### **SAMPLE SUMMARY**

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

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



#### **SAMPLE ANALYTE COUNT**

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

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

PACE-MV = Pace Analytical Services - Melville



#### **ANALYTICAL RESULTS**

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

Date: 12/12/2022 11:43 AM

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

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: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

Date: 12/12/2022 11:43 AM

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

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: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

Date: 12/12/2022 11:43 AM

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

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: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

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

10

Date: 12/12/2022 11:43 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

CAS No.

Analyzed

(631)694-3040

Qual



#### **ANALYTICAL RESULTS**

Project: NYAW MERRICK BACT SERIES 12/7

Results

Pace Project No.: 70238986

**Parameters** 

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

Limit

Date: 12/12/2022 11:43 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

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



#### **QUALITY CONTROL DATA**

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

Date: 12/12/2022 11:43 AM

QC Batch: 285483 Analysis Method: SM22 9223B Colilert

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

Laboratory: Pace Analytical Services - Melville

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

METHOD BLANK: 1442508 Matrix: Drinking Water

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

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

 E.coli
 Absent
 12/08/22 11:35

 Total Coliforms
 Absent
 12/08/22 11:35

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



#### **QUALIFIERS**

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 12/12/2022 11:43 AM



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

Project: NYAW MERRICK BACT SERIES 12/7

Pace Project No.: 70238986

Date: 12/12/2022 11:43 AM

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

# WO#:70238986

| Compa<br>Addres | 180 Gordon Dr., Suite 110      |                                  | Report To                  | : 1                     |             | Gregory  |         |        | CHAIN<br>he Chain |          |   | OCCI        | ice Int | ormat | llon: | s Payr  |          |           |        |                        |          |          |          |          |       |          | Γ         | Page            |                |          |     |
|-----------------|--------------------------------|----------------------------------|----------------------------|-------------------------|-------------|----------|---------|--------|-------------------|----------|---|-------------|---------|-------|-------|---------|----------|-----------|--------|------------------------|----------|----------|----------|----------|-------|----------|-----------|-----------------|----------------|----------|-----|
| Email:          | Exton, PA RGregory@komangs.com |                                  |                            |                         |             |          |         |        |                   |          |   | Comp        | pany N  | ame:  | KON   | MAN (   | Gove     | mer       | nt Sol | utions                 | 110      |          |          |          |       |          |           | 1 age           | <del></del>    | 1        | Of  |
| Phone:          | (610) 400-0636 Fax             |                                  | Purchase (                 |                         | _           | 02607    |         |        |                   | _        |   |             | Quote   | dU    | cour  | itspa   | yab      | le@       | kom    | anos                   | com      | -        |          | _        | 1     |          |           |                 |                |          |     |
| Request         | ted Due Date:                  |                                  | Project Na<br>Project #: ( |                         | N'          | YAW-ME   | RRICKO  | PS FAC | CILITY            |          |   |             |         | t Man |       |         |          |           |        |                        |          |          |          | -        | ╆     |          |           | Re              | gulator        | y Agency | 7   |
|                 |                                |                                  |                            | /200/                   | -204        |          |         | _      |                   |          |   | Pace l      | Profile | #:    | ager. | ()      | KIMI     | perle     | V, M   | ackio                  | Pacel    | abs.c    | com      |          |       |          | _         | S               | tate / L       | ocation  | -   |
|                 |                                |                                  |                            | 1                       | 1           | T        |         |        |                   | -        | _   |             |         | i     |       |         | _        | -         | T      | -                      | Pag      | 110.04   |          |          |       | 1000000  |           | _               | NY             |          | -   |
|                 |                                | ATRIX                            | CODE                       | 19                      | C=COMP)     | 1        | co      | LLECTE | =D                |          |   |             |         |       |       |         |          |           | 1,     | T                      | Neq      | Liester  | d Anal   | ysis Fi  | Itere | (Y/N)    |           | $\neg$          |                |          |     |
|                 | y y                            | orinking Wale<br>Valer           | WT                         | (See valid codes to let | J           |          |         | 1      |                   | $\dashv$ | SAMPLE TEMP AT COLLECTION # OF CONTAINERS | -           | _       | Pre   | serv  | ative   | 9\$      |           | Ş      |                        |          |          |          |          |       |          |           |                 |                |          |     |
|                 | SAMDLEID                       | Vaste Water<br>roduct<br>of/Scfd | P                          | Safe                    | (G=GRAB     | 1        |         | 1      |                   | 1        | LEC                                       | 1           |         | П     |       |         |          |           | Г      | Γ                      |          |          |          | +        | -     | -        | +         | $\vdash$        |                |          |     |
|                 | One Character per box.         |                                  | SL<br>OL<br>WP             |                         |             |          | TART    |        | END               | 1        | g ,                                       |             | 1       | П     |       |         | -        |           | st s   |                        | 1        | П        |          |          |       |          |           | П               | ⊋ l            |          |     |
| *               | (A-Z, 0-9 / , -) Ai            |                                  | AR<br>OT                   | 빙                       | YPE         |          |         |        |                   | ٦        | IP A                                      | ķ   _       |         | П     |       |         |          |           | Test   | Ecoli)                 |          | П        | - 1      |          | П     |          | 1.7       |                 | ٤              |          |     |
| ITEM            | Tis                            | ssue                             | TS                         | ŏ                       | LE T        | ĺ        |         | 1      | 1                 | 1        | TEN<br>TEN                                | Ved         |         |       |       | 1.      |          | 1         | Ses    | Call                   |          | П        |          |          | П     |          | 11        |                 | Orino<br>Orino |          |     |
| =               |                                |                                  |                            | MATRIX CODE             | SAMPLE TYPE |          |         | 1      | 1                 |          |   | Unpreserved | H2S04   | 8     | 1     | - S     | i i      | 1.        | Ę      | I G                    |          |          | -        | 1 1      |       |          | 11        | 3               | 5              |          |     |
| 1               | GAC-3S/4S-Vessel#600           | )-0                              |                            | Т                       |             | DATE     | TIME    |        |                   |          | Y C                                       | 5           | HZS     | HNO3  | E E   | Na2S203 | Methanol | Othor     | A      | Colllert (Fecal/Ecoli) |          |          |          |          |       |          |           | Residual Others | Silate         |          |     |
| 2               | GAC-3S/4S-Vessel#600           |                                  |                            | DV                      |             |          | -       | 1      | 2815              |          | 1   | x           |         |       |       |         |          |           |        | x                      | $\top$   | +        | +        | H        | +     | +        | +         |                 | +              |          |     |
| 3               | GAC-3S/4S-Vessel#600           |                                  |                            | DW                      |             |          |         |        | 2811              | _        | 1   | x           |         |       |       |         |          |           |        | x                      | +        | +        | +        | H        | +     | +        | $\dashv$  | -               | -              |          |     |
| 4               | GAC-3S/4S-Vessel#600-          |                                  |                            | DW                      | $\Box$      |          |         | 1.212  | 28:20             | 1        | 1   | х           |         |       |       | T       |          | П         | H      |                        | +        | +        | +        | Н        | +     | +        | $\forall$ | 4               | L              |          |     |
| 5               | GAC-3S/4S-Vessel#600-          |                                  |                            | DW                      |             |          |         |        | 28,33             | -        | 1   | x           |         |       |       | T       |          | П         | 1      | X                      | +        | +        | +        | $\vdash$ | +     | +        | Н         | 4               |                |          |     |
| 6               | 20110 V COSCIMOUO.             | 30                               |                            | DW                      | G           |          |         | 2.7.2  | 28:45             | L        | 1   | х           |         |       |       |         |          | Н         | t      | X                      | +        |          | +        | $\vdash$ | +     | -        | H         | 4               | _              |          |     |
| 7               |                                |                                  |                            | $\dashv$                | 4           |          |         |        |                   |          |   |             |         |       |       |         | П        |           | ŀ      | <del>* -</del>         | +        | +        | +        | +        | +     | +        | $\dashv$  | 4               | L              |          |     |
| 8               |                                |                                  |                            | $\dashv$                | +           |          |         |        |                   |          |   |             |         |       |       |         |          | $\dashv$  | ŀ      | +                      | +        | +        | H        | $\dashv$ | +     | +        | +         | 4               | _              |          |     |
| 9               |                                |                                  | -                          | +                       | +           | -        |         |        |                   |          |   |             | T       |       |       | П       |          | $\exists$ | ŀ      | +                      | H        | +        | +        | +        | +     | H        | 4         | 4               |                |          |     |
| 0               |                                |                                  |                            | +                       | +           | $\dashv$ |         |        |                   |          |   |             |         |       |       | П       | 1        | 7         | F      | +                      | $\vdash$ | +        | H        | +        | +     | 11       | +         | 4               |                |          |     |
| 1               |                                |                                  | $\dashv$                   | +                       | +           | -        | _       |        |                   |          |   |             |         |       |       |         |          | $\exists$ | H      | +                      | +        | +        | ++       | +        | +     | $\vdash$ | +         | 41              |                |          |     |
| 2               |                                |                                  | $\dashv$                   | +                       | +           |          | -       |        |                   |          |   |             |         |       |       |         |          | 7         | r      | +                      | $\vdash$ | +        | H        | +        | +     | H        | +         | 4 1             |                |          |     |
|                 | ADDITIONAL COMMENTS            | 1                                | REL                        | INOL                    | ISHE        | BY/AFF   |         | -      |                   |          |   |             |         |       |       | 1       |          | 7         | H      | $\vdash$               | -        | $\vdash$ | $\vdash$ | +        | +     | $\vdash$ | +         | 1               |                |          |     |
|                 |                                | 1                                | Xan                        | 7                       | 17          | 717      |         | _      | DATE              | 1        | _   | ME          |         |       | A     | CCEP    | TED      | BY/A      | FFILL  | ATION                  |          | -        | DA       | TE       | +     | Ш        | +         |                 |                |          |     |
|                 |                                | -                                | Jun                        | 1                       | 10          | ffm      | to      | k      | 1.72              | 2        | 8   | 15          | 1       | Texa  |       |         | 1        | 1         | -      | -                      |          | -        | DA.      | 15       | _     | TIME     |           |                 | SAMPLE         | СОИОП    | ONS |
|                 |                                | -                                | 1                          | _                       |             | 1        |         |        |                   |          |   | -           | ×       | 1     | -     | 1       | 1        |           | _      |                        |          | _        | 12/7     | /22      | 10    | 135      | 1.        | 2               | 4              | a        | 10  |
|                 |                                | -                                |                            |                         |             |          |         |        |                   | 7        |   |             | +       |       | -     |         | _        | _         | _      | _                      |          | _        | 11       |          |       |          |           |                 |                | 1        | 1   |
| Pa              |                                |                                  |                            |                         |             |          |         |        |                   | 1        |   |             | 1       |       |       | -       |          | -         |        |                        |          | 4        |          |          |       |          |           |                 |                |          | +   |
| Page 13 of      |                                |                                  |                            |                         |             | SA       | MPLER I | LAME A | ND SIGNA          | TUR      | RE  | -           | 1       |       |       | -       | -        |           | -      |                        |          |          |          |          |       |          |           |                 |                |          | +   |
| ω               |                                |                                  |                            |                         |             |          | PRINT   | Name o | f SAMPLE          | R:       | -   |             |         |       |       |         |          |           |        |                        |          |          |          |          |       |          | 1         | +               |                | +        | +   |

WO#:70238986

|           |               |            | Cli       | ient:         |        | _/    | K     | Ĝ    | <u>.</u> د | 5    |      | L      |              |       |        |      |              | _P   | rofile             | e#_  |       | 1              | 5     | 4    | 5        | 6    |            | 5              |      |        |      |      |       | U          | Jse F | Point        | t Nu: | mber            | · Sp | read | sh   |          | : 1    |      |         |              |        | 0     | ue         | Da  | ate | 1 | 2/: | 4/ | 22 |  |
|-----------|---------------|------------|-----------|---------------|--------|-------|-------|------|------------|------|------|--------|--------------|-------|--------|------|--------------|------|--------------------|------|-------|----------------|-------|------|----------|------|------------|----------------|------|--------|------|------|-------|------------|-------|--------------|-------|-----------------|------|------|------|----------|--------|------|---------|--------------|--------|-------|------------|-----|-----|---|-----|----|----|--|
|           | W             | DRK        | CII<br>OR | ER:           | G      | AC    | -     | 33   | 5/0        | 45   | É    | BAC    | 7            | 5     | EP.    | 18   | 5            | 2/   | Not                | es_  |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      | CL       | IEI    | NT:  | : К     | GS           |        |       |            |     |     |   |     |    |    |  |
| CO<br>Lin | e   Έ         | VG9U       | VG9C      | VG9H          | VG9S   | DG9T  | DG9Y  | DG9P | DG9A       | DG6T | DG9S | AG4U   | AG3U         | AG2U  | AG1U   | AG34 | AG3S         | AG4E | AG3T               | AG2R | AG1T  | AG1H           | AG1A  | CG1U | BP4U     | вьзп | BP2U       | BP1U           | BP3S | BP2S   | BP4N | BP3N | BP2N  | врзс       | врзт  | BP35         | BP3R  | BP1Z            | BP1N | BP1B | SP5T | 2        | WGFU   | WGKU | WGDU    | 0 100        | GN     | WP    | ioc<br>ioc | soc |     |   |     |    |    |  |
| 1         |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      | i    |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
| 2         |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      | 1    |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
| 3         |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              | 1    | j                  |      |       |                |       |      |          |      |            |                |      |        |      |      | j     |            |       |              |       |                 |      |      | 1    |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
| 4         |               |            | П         |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      | 1    |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
| 5         |               |            | П         |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      | 1    |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
| 6         |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
| 7         |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              | T    |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
| 8         |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
| 9         |               | Т          |           |               |        |       |       |      |            |      |      | П      |              |       |        |      |              | I    |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
| 10        |               |            |           |               |        |       |       |      |            |      |      |        |              |       | J.     |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
| 1         |               |            | T         |               |        |       |       |      |            |      | T    |        | T            |       |        |      |              | П    | T                  |      | T     |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       | П               |      |      |      |          |        |      |         |              |        | П     |            |     |     |   |     |    |    |  |
| 12        |               | i          |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      | T                  |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      | T    |          |        | Ī    | Ш       |              |        |       |            |     |     |   |     |    |    |  |
| _         | ainer         | Loa        | ies       |               |        |       |       | _    |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        | _    |      |       |            |       |              |       |                 | ^    |      | =    | -10      | _      |      |         |              |        |       | -          |     |     |   | _   |    |    |  |
|           |               |            |           |               |        |       |       | Gla  |            |      |      |        |              |       |        |      |              |      |                    | Plas |       |                |       |      |          |      |            | Mis            |      |        |      |      | - [   |            |       |              | 10    |                 |      |      |      |          | L      |      |         |              | latrix | (     |            |     |     |   |     |    |    |  |
|           |               | 39U<br>39C | 40r       | nL ur<br>nL A |        |       |       |      | AG4<br>AG3 |      |      |        | npre<br>npre |       |        |      | BP4<br>BP3   |      |                    |      |       | serv           |       |      | SP5      | T.   |            | mL C           |      | orm h  | Na T | hio  |       | BP1<br>BP3 |       |              |       | HNO             |      |      | +    | -        | SI     |      |         | ater<br>olid |        |       | -          |     |     |   |     |    |    |  |
|           | VC            | 9H         | 40r       | nL H          | ÇI cl  | ear   | /ial  |      | AG2        | U    | 500r | nL u   | npre         | s ar  | nber   |      | BP2          | J    | 500n               | nL u | прге  | serv           | ed    |      | WG       |      | 2oz        | Unp            | rese | rved   |      |      | 1     | вр3        | 3C    | 250r         | mL S  | Sodiu           | m    |      |      |          | N      | ٩L   | No      | on-a         | queo   | us Li | quid       |     |     |   |     |    |    |  |
|           | -             | 9S<br>9T   |           |               |        |       | ar vi |      | AG1        |      |      |        | ores :       |       |        |      | BP1<br>BP4   |      |                    |      |       | ed p<br>3 pla  |       |      |          |      |            |                |      | rved   |      | -    | H     | AG2        | 2U    | 500r         | mL ι  | inpre           | s an | nber | +    |          | O<br>W |      | OI<br>W | IL<br>ipe    |        |       |            |     |     |   |     |    |    |  |
|           | DO            | 39Y        | 40r       | nL C          | Citrat | e-Na  | ì     |      | AG3        | S    | 250r | nL H   | 12SC         | )4 aı | mbe    | r    | BP3          | V :  | 250n               | nL H | NO    | 3 pla          | stic  |      | WG       | DU   | 160        | z Un           | pres | erve   |      | r    | t     |            |       |              |       |                 |      |      |      |          | D      |      |         |              | ng W   | ater  |            |     |     |   |     |    |    |  |
|           |               | 39P<br>39A |           | nL ar         |        |       | - TS  |      | AG4<br>AG3 |      |      |        | DA a         |       |        |      | BP2<br>BP3   |      |                    |      |       | 3 pla<br>04 pl |       |      | ZPL      |      |            | ock E<br>lar B |      |        |      | -    |       | * Ca       | an al | so be        | e a E | BP4N            |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           | DO            | 36T        | Na        | Thio          | 60n    | ıL Vi | al    |      | AG2        | R    | Na S | Sulfit | e 500        | 0mL   | . (blu | ıe l | BP2          | S t  | 500n               | nL H | I2SC  | )4 pl          | astic | 3    | BG′      | Н    | 1L F       | HCL            |      | ır Gla | ass  |      | ,     |            |       |              |       |                 |      |      | _    |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           |               | 39S<br>31U |           |               |        |       | on E  |      | AG1        |      |      |        | ulfat<br>mbe |       |        |      | BP3          |      | <u>VaO</u><br>250n |      |       | _ bot          | tle   |      | GN<br>WP |      | Ger<br>Wip | neral<br>ne    |      | _      | _    |      |       |            |       |              | sc    | nc.             |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           |               |            |           |               |        |       |       |      |            |      |      |        | oniur        |       |        | de   | BP3          | 5 2  | 250n               | nL A | mm    | oniur          |       |      |          |      | ****       |                |      |        |      |      | 11.00 | DGS        |       |              | L Na  | a Thio          |      |      |      | 2        |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           |               |            | 802       |               |        |       |       | -    |            |      |      |        |              |       |        |      | BP3.<br>BP1. |      |                    |      |       | O4-            |       | _    | O.       |      |            |                |      |        |      |      | 1 2 2 | DG9        |       |              |       | scorb<br>la Th  |      |      |      | 2        |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           |               | 0-10       | 101       | . Oloc        |        | i jui |       |      |            |      |      |        |              |       |        | - [  | BP1          | N.   | 1L H               | NO   | pla   | stic           |       |      |          |      |            |                |      |        |      |      | Ī     | DG         | 3T    | Na T         | Thios | sulfat          | e 60 | mL v |      | 1        |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        | I    | BP1          | 3  1 | Va T               | hios | ulfat | te Ar          | nbei  |      | į.       |      |            |                |      |        |      |      | 110   | AG3        |       |              |       | inpre<br>sulfat |      |      | +    | $\dashv$ |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       | BP1        | В     | Na T         | Thios | sulfat          | e Ar | nber |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       | AG1        |       | Na T<br>(NH4 |       | sultat<br>)     | e 1L |      |      | 2        |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      | Ī     |            |       |              |       | -               |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
| Add       | itiona        | ıl Co      | mm        | ents          |        |       |       |      |            | _    | _    | +      |              |       |        |      |              |      | _                  |      |       |                |       | _    |          |      |            | -              |      |        | _    |      | - 1   | -          |       |              | _     |                 |      |      |      |          |        |      | _       | _            |        |       |            |     |     | _ |     |    | _  |  |
|           |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           |               |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           | <b>U</b>      |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           | Page 14 of 15 |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           | 1             |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           | ⊋,            |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |
|           | 2             |            |           |               |        |       |       |      |            |      |      |        |              |       |        |      |              |      |                    |      |       |                |       |      |          |      |            |                |      |        |      |      |       |            |       |              |       |                 |      |      |      |          |        |      |         |              |        |       |            |     |     |   |     |    |    |  |

| / Pace Analytical  | Client        | t Name:          | n            |                        | MO           | #:70                | 0238             | 3986           |                   |
|--|---------------|------------------|--------------|------------------------|--------------|---------------------|------------------|----------------|-------------------|
|  | - <u> </u>    | KG               | 45           | ;                      | -1-11-1      |                     |                  | Date: 12       | /14/22            |
| Courier: Fed Ex UPS USPS   | ent Com       | mercial          | Dace 🗆       | lther                  | PM: I        |                     | Due              | Date: 12       | , , , , , , , , , |
| Tracking #:  |               |                  | V            |                        | CLIE         | NT: KGS             |                  |                |                   |
| Custody Seal on Cooler/Box Present: [  |               |                  |              |                        | /            |                     |                  |                |                   |
| Packing Material: Bubble Wrap But  |               |                  |              |                        |              | Type of             | Ice: Wet         | Blue None      | 2                 |
| Thermometer Used: 7#148  | Corre         | ction Fact       | or: + ()     | 1                      |              | 1385mples           | on ice, coo      | ling process I | nas begun         |
| Cooler Temperature(°CJ: /-2  | Coole         | r Tempera        | ature Corre  | ected(°C):             | 3            |                     |                  | its placed in  |                   |
| Temp should be above freezing to 6.0°C   |               | v                |              | \ <del></del>          |              |                     |                  | <b>(</b>       |                   |
| USDA Regulated Soil [ N/A, water sam   | iple)         |                  | 4            | Date and In            | itials of p  | ierson exan         | ກຸ່ມເກີດ ເວລາ    | ents- SH       | 12/11             |
| Did samples originate in a quarantine zone   |               | Inited Sta       | ates AL AR   |                        |              |                     |                  | e from a forei | 11                |
| NM, NY, OK, OR, SC, TN, TX, or VA (check ma  |               | res $\square$ No | بالمتالي     | 51 ( 1 C 51 ( 10 , 5 C | 115, 140,    |                     | -                | Puerto Rico).  | -                 |
| If Yes to either question, fill out a Regu   |               |                  | E_U_C_010]   | and include wi         | th comple    | micidulity          | nawali aliu      | PUELLO KICO).  | 1627              |
| to creater question, thi but a kegu  | lated Son C   | JIECKIIST (      | 1 -[1-0-010] | J and molade wi        | UI SCURY     |                     |                  |                |                   |
| Chain of Custody Present-  | QYes.         | □No              |              | 1                      |              | U                   | DMMENTS:         | (22)           |                   |
| Chain of Custody Filled Out  | ØYes          |                  | _            | 2                      |              |                     | ·                |                |                   |
| Chain of Custody Relinquished:   |               | □No              |              | 3.                     |              |                     |                  |                |                   |
| Samples Harry & Circia and Control of Contro | ØYes_         | □No              |              |                        |              |                     |                  |                |                   |
| Sampler Name & Signature on COC:   | □xes          | □No              | □N/A         | 4.                     |              |                     |                  |                |                   |
| Samples Arrived within Hold Time:  | DYes          |                  |              | 5.                     |              |                     |                  |                | <u>.</u>          |
| Short Hold Time Analysis (<72hr):  | eyes          | □No              |              | 6.                     |              |                     |                  |                |                   |
| Rush Turn Around Time Requested:   | □Yes          | <b>13</b> 140    |              | 7.                     |              |                     |                  |                |                   |
| Sufficient Volume: (Triple volume provided   |               | □No              |              | 8.                     |              |                     |                  |                |                   |
| Correct Containers Used:   | De les        | □No              |              | 9.                     |              |                     |                  |                |                   |
| -Pace Containers Used:   | QYes,         | No               |              |                        |              |                     |                  |                |                   |
| Containers Intact  | ØYes .        | □No              | _/           | 10.                    | -            |                     |                  |                |                   |
| Filtered volume received for Dissolved tests   |               | □No              | EIN/A        | IIL N                  | ote if sedio | ment is visib       | le in the dis    | solved contain | ner.              |
| Sample Labels match COC:   | <b>©</b> Yes  | □No              |              | 12_                    |              |                     |                  | ,              |                   |
| -Includes date/time/ID/Matrix: SL W  |               | 360.             | _/           |                        |              |                     |                  |                |                   |
| All containers needing preservation have be  | en □Yes       | □No              | M/A          | 13.                    | HNO3         | $\square$ $H_zSO_4$ | □ ИаОН           |                |                   |
| checked?<br>pH paper Lot #   | (15) A 2) 5   |                  | /25          |                        |              |                     | ) <del>=</del> : |                | Sec. 19           |
| All containers needing preservation are fou  | ad to be      |                  |              | Sample #               |              |                     | 10               |                |                   |
| in compliance with method recommendation   | ນດ ເດ ດຣ      |                  |              | Sattifile #            |              |                     |                  |                |                   |
| (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH≥9 Syllide,  |               | □No              | PN/A         |                        |              |                     |                  |                |                   |
| NAOH-12 Cyanide)   | □Yes          | UNU              | ENTA         |                        |              | 200                 |                  |                |                   |
| Exceptions: VOA, coliform TOC/DOC, Oil and   | Ceanan        |                  |              |                        |              |                     | •                |                | 3 2               |
| DRO/8015 (water)   | orease,       |                  | 2            | Initial when co        | moleted      | l + " C I           | . 08             | In 17          |                   |
| Per Method, VOA pH is checked after analys   | •••           |                  | _            | midal wileti co        |              | Lot # of add        | 6                | Date/Time      | preservativ       |
| Samples checked for dechlorination:  |               | □No              | ON/A         | 14_                    |              | preservative        | 25               | added:         | 57                |
| KI starch test strips Lot #  | □¥es          |                  | LINIA        | 14-                    |              |                     |                  |                |                   |
| Residual chlorine strips Lot #   |               |                  |              | Oneit                  | in fam.      | 011 : 01            |                  |                |                   |
| SM 4500 CN samples checked for sulfide?  | - CV-ss       | CNO              | DAHT         | 15. Posit              | ive for Kes  | : Chlorine? Y       | <u> </u>         |                |                   |
| _ead Acetate Strips Lot #  | □Yes          | □No              | DHA          | Post-re-               | *:           | ~                   |                  |                |                   |
| Headspace in VOA Vials ( >6mm):  | -16           | OM-              | CMI.         |                        | ive for Sulf | ide? Y              | N                |                |                   |
| Trip Blank Present:  | □Yes          | □No              | ØM/A         | 16.                    |              |                     |                  |                |                   |
|  | □Yes          | □No              | ON/A         | 17.                    |              |                     |                  |                |                   |
| rip Blank Custody Seals Present<br>Pace Trip Blank Lot # (if applicable):  | □Yes          | □No              | ØN/A         |                        |              |                     |                  |                |                   |
|  |               |                  |              | Calibra                |              |                     | **********       |                |                   |
| Client Notification/ Resolution:   |               |                  |              | Field Data Requ        |              | Υ                   | \ N              |                |                   |
| Person Contacted: Comments/ Resolution:  |               |                  |              | Dati                   | e/Time:      |                     |                  |                |                   |
| Source (2) KESOUTION.  |               |                  |              |                        |              |                     |                  |                |                   |
|  |               |                  |              |                        |              |                     |                  |                |                   |
|  |               |                  |              |                        |              |                     |                  |                |                   |
|  |               |                  |              |                        |              |                     |                  |                |                   |
| PM [Project Manager] cavious is documented   | i ulantennica | Part of all      |              |                        |              |                     |                  | CON CONTRACT   |                   |





December 14, 2022

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

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

#### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack kimberley.mack@pacelabs.com

Kimberley Mack.

(631)694-3040 Project Manager

**Enclosures** 

cc: Ericka Seiler, KOMAN Government Services, LLC





#### **CERTIFICATIONS**

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

Pace Analytical Services Long Island

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

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

New York Certification #: 10478 Primary Accrediting Body

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

Virginia Certification # 460302



#### **SAMPLE SUMMARY**

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

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



## **SAMPLE ANALYTE COUNT**

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

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

PACE-MV = Pace Analytical Services - Melville



#### **ANALYTICAL RESULTS**

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

Date: 12/14/2022 04:49 PM

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

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

E.coli Absent 1 12/12/22 17:30 12/13/22 11:30



#### **ANALYTICAL RESULTS**

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

Date: 12/14/2022 04:49 PM

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

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 SEREIS 12/12

Pace Project No.: 70239531

Date: 12/14/2022 04:49 PM

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

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

(631)694-3040

Qual



#### **ANALYTICAL RESULTS**

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

**Parameters** 

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

Limit

10

Date: 12/14/2022 04:49 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** 12/12/22 17:30 12/13/22 11:30 E.coli **Absent** 12/12/22 17:30 12/13/22 11:30

CAS No.

Analyzed

(631)694-3040

Qual



#### **ANALYTICAL RESULTS**

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

**Parameters** 

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

Limit

Date: 12/14/2022 04:49 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** 12/12/22 17:30 12/13/22 11:30 E.coli **Absent** 12/12/22 17:30 12/13/22 11:30

Qualifiers



#### **QUALITY CONTROL DATA**

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

QC Batch: 286039 Analysis Method: SM22 9223B Colilert

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

Laboratory: Pace Analytical Services - Melville

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

METHOD BLANK: 1445832 Matrix: Drinking Water

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

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

E.coli Absent 12/13/22 11:30
Total Coliforms Absent 12/13/22 11:30

SAMPLE DUPLICATE: 1445833

Date: 12/14/2022 04:49 PM

70239661001 Dup Max Parameter Units Result RPD RPD

E.coli Absent Absent Total Coliforms Absent Absent Absent

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



#### **QUALIFIERS**

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 12/14/2022 04:49 PM



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

Project: BACT SEREIS 12/12

Pace Project No.: 70239531

Date: 12/14/2022 04:49 PM

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



WO#: 70239531

CHAIN-OF-CUSTODY / Analytical Reques
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant field Section A Section B Required Client Information: Section C Required Project Information: Company KOMAN Government Solutions, LLC Invoice Information: Report To: Robert Gregory Page: Address: 180 Gordon Dr., Suite 110 Attention: Of Copy To: Accounts Payable NCDOH Company Name: KOMAN Government Solutions, LLC Exton, PA Email: RGregory@komangs.com Address: accountspayable@komangs.com Purchase Order #: 02607-204 Phone: Regulatory Agency Pace Quote: (610) 400-0636 Fax: Project Name: NYAW-MERRICK OPS FACILITY Requested Due Date: Pace Project Manager: Kimberley.Mack@Pacelabs.com Project #: 02607-204 Para Profile # State / Location

|               |   |   | reject in. o.                                     |                                       | _         |            | _     |                                |        |                          | Pace            | Prot        | file #: |          |        |           | T.P. Wall |       |                        |           | , eran; |           | -       | -        |          |           |              | State /                 | The second second | on             |            |
|---------------|---|---|---|---------------------------------------|-----------|------------|-------|--------------------------------|--------|--------------------------|-----------------|-------------|---------|----------|--------|-----------|-----------|-------|------------------------|-----------|---------|-----------|---------|----------|----------|-----------|--------------|-------------------------|-------------------|----------------|------------|
|               |   |   |   | 12                                    | [a]       |            | _     |                                |        | _                        | _               |             |         |          |        |           |           | T     | -                      | R         | eques   | ted Ar    | nalysis | Filter   | ed (VII  | M         | -            | ,                       | lΥ                |                |            |
| 1             |   | MATRIX<br>Drinking Water                                      | CODE  | el ot sab                             | COMP      |            | COL   | LECTED                         |        | _<br>₹                   |                 |             | Р       | ese      | rvativ | ⁄es       |           | X.N.  | T                      |           |         |           | ĺΪ      | 1        |          | ĺΤ        | T            | 1                       |                   |                |            |
| ITEM #        | SAMPLE ID  One Character per box. (A-Z, 0-9 / , -)  Sample lds must be unique | Water Waste Water Product Sod/Solid Oil Wipe Air Other Tissue | WT<br>WW<br>P<br>SL<br>OL<br>WP<br>AR<br>OT<br>TS | MATRIX CODE (see valid codes to left) | MPLE TYPE | ST/        | ART   |                                | END    | AMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | HNO3    | нсі      | NaOH   | Na2S2O3   | Methanol  |       | Colllert (Fecal/Ecoli) |           |         |           |         | 1        |          |           |              | Residual Chlorine (Y/N) |                   |                | *****      |
| 1             | GAC-3S/4S-Vessel#3  | 300-0   |   | DW                                    | IT        | 57112      |       | DATE DATE                      |        | δ                        | 0.0             |             | 王       | Ξ        | S.     | E L       | \$ 8      | F     | 8                      | Ц         | +       | -         | Ц       | $\perp$  | Ш        |           |              | Resi                    |                   |                |            |
| 2             | GAC-3S/4S-Vessel#3  | 00-2  |   | DW                                    |           |            |       | 1222                           | 1000   | Н                        | 1 >             |             | +       |          | 4      | +         | +         | -     | X                      | $\sqcup$  | _       | 4         |         |          |          |           |              |                         |                   |                |            |
| 3             | GAC-3S/4S-Vessel#3  | 00-5  |   | DW                                    |           |            |       | 12.13.23                       |        | H                        | 1 2             | 1           | +       | $\vdash$ | +      | +         | +         | 1     | X                      | $\dashv$  | -       |           |         | 4        | $\sqcup$ | 4         |              | L                       |                   |                |            |
| 4             | GAC-3S/4S-Vessel#30   | 00-10   |   | DW                                    | G         |            |       | 2:422                          |        |                          | 1 X             | $\neg$      | +       |          | +      | +         | +         |       | Х                      | +         | +       |           | +       | -        | $\sqcup$ | -         | Ш            | L                       |                   |                | 355        |
| 5             | GAC-3S/4S-Vessel#30   | 00-30   |   | DW                                    | G         |            |       | 2122                           |        |                          | 1 X             | 1           | +       | $\dashv$ | +      | +         | +         | 1     | Х                      | +         | +       | H         | -       | +        | $\sqcup$ | +         |              | L                       |                   |                |            |
| 6             |   | <u> </u>  |   |                                       |           |            |       |                                |        | 7                        | +               | +           | +       | +        | +      | +         | ╁         | Н     | X                      | +         | +       | $\vdash$  | +       | -        | H        |           | $\perp$      | L                       |                   |                |            |
| 7             |   |   |   |                                       |           |            |       |                                |        | 7                        | 1               | $\dagger$   | T       | 1        | +      | +         | +         |       | $\dashv$               | +         | +       | H         | +       | $\vdash$ | $\vdash$ | +         | +            | F                       |                   |                |            |
| 8             |   |   |   |                                       |           |            |       |                                |        |                          | T               | 1           | $\top$  | 7        | +      | $\dagger$ |           | lŀ    | $\dashv$               | +         | +       | H         | +       | +        | +        | +         | $\mathbb{H}$ | -                       |                   |                |            |
| 9             |   |   |   | _                                     | _         |            |       |                                |        |                          |                 | T           |         |          | 7      | $\dagger$ | $\top$    | lŀ    | +                      | +         | ╁       |           | +       | $\vdash$ | +        | +         | Н            | $\vdash$                |                   |                |            |
| 10            |   | -   |   | 4                                     | 4         |            |       |                                |        |                          |                 |             |         |          |        | T         |           | İ     | 7                      | +         | 1       | $\forall$ | +       | Н        | +        | +         | Н            | -                       |                   |                | -          |
| 12            |   |   |   | +                                     | +         | _          |       |                                |        |                          |                 |             |         |          |        |           | П         | 1     | 7                      | $\dagger$ |         |           | 1       | Н        | +        | +         | Н            | $\vdash$                |                   |                |            |
|               | ADDITIONAL COMMENTS   |   |   | I IWO                                 | neum      | D BY / AFI |       |                                |        | 1                        |                 |             |         |          |        |           |           | Ī     | 1                      |           |         | 1         |         | П        | +        | $\dagger$ | Н            | -                       |                   |                |            |
|               |   |   | Form  | 1                                     |           | 25         |       |                                | DATE   | _                        | Трм             | E           |         | 1        | -      | -         | ED BY     | /AFRI | LIATI                  | אס        |         | I         | DATE    |          | TIA      | IE.       |              | SAN                     | IPLE C            | ONDITIO        | NS         |
|               |   |   | ) (   |                                       | 10        | 0          |       | 1                              | 7.120  | 7                        | -               |             | 1       | Mu       | - 1    | PL        | I         |       |                        |           |         | 1         | 2/17    |          | 9:6      |           | 0.0          | _                       | -                 | W              | 7          |
|               |   |   |   |                                       |           |            |       |                                |        | 1                        |                 | -           | /       | -        |        | _         |           |       | _                      |           |         | -         | 10      | 4        |          |           |              |                         |                   |                |            |
| Pag           |   |   |   |                                       |           |            |       |                                |        | $\top$                   |                 |             |         |          | -      |           |           |       |                        |           |         | +         |         | -        |          |           |              |                         |                   |                |            |
| Page 13 of 15 |   |   |   |                                       |           | s          | PRINT | NAME AT<br>Name of<br>ATURE of | SAMPLE | R:                       | -               | ndy         | Hoffn   | aste     |        | 7         |           |       | DA                     | TE SI     | gned:   |           | 128     |          |          |           | EMP in C     | eceived on              | N)                | salod<br>oolar | y<br>Tples |

Sample Container Count

PM: KMM

Due Date: 12/19/22

CLIENT: KGS

WORK ORDER: Bact Series 12/12

| _                   |        | _    | _    |      | _    | _    | _    | _    | _    | _    |      | 1    | _    | -    | _    | _    | _    | _    | -    | _    |      | _    | _    | _    |      | _    |      | _    | _    | _    | _    | _    |      | _    | _    |      | _    |      | _    |      |      |   |      |      |      |      |       |     | _  |     |     |  | _ | _ | $\overline{}$ |
|---------------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|------|------|-------|-----|----|-----|-----|--|---|---|---------------|
| COC<br>Line<br>Item | Matrix | VG9U | VG9C | VG9H | VG9S | DG9T | резу | DG9P | DG9A | DG6T | DG9S | AG4U | AG3U | AG2U | AG1U | AG34 | AG3S | AG4E | AG31 | AG2R | AG1T | AG1H | AG1A | CG1U | BP4U | BP3U | BP2U | BP1U | BP3S | BP2S | BP4N | BP3N | BP2N | ВРЗС | BP3T | BP35 | BP3R | BP1Z | BP1N | BP1B | SP5T | Я | WG2U | WGFU | WGKU | WGDU | ZPLC  | GN  | WP | 201 | SOC |  |   |   |               |
| 1                   |        |      |      |      |      |      |      |      |      |      |      | П    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |   |      |      |      |      | 110.0 | 200 |    |     |     |  |   |   |               |
| 2                   |        |      |      |      |      |      |      |      |      |      |      | II   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      | 1    |   |      |      |      |      |       |     |    | 5   |     |  |   |   |               |
| 3                   |        |      |      |      |      |      |      |      |      |      |      | П    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |   |      |      |      |      |       |     |    |     |     |  |   |   |               |
| 4                   |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |   |      |      |      |      |       |     |    |     |     |  |   |   |               |
| 5                   |        | -    |      |      |      |      |      |      |      |      |      | i    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |       |     |    |     |     |  |   |   |               |
| 6                   |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |       |     |    |     |     |  |   |   |               |
| 7                   |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |       |     |    |     |     |  |   |   |               |
| 8                   |        |      |      |      |      |      |      |      |      |      |      | H    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |       |     |    |     |     |  |   |   |               |
| 9                   |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | L.,  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |       |     |    |     |     |  |   |   |               |
| 10                  |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | L    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |       |     |    |     |     |  |   |   | $\perp$       |
| 11                  |        |      |      |      |      |      |      |      |      |      |      | Ш    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |       |     |    |     |     |  |   |   |               |
| 12                  |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |       |     |    |     |     |  |   |   |               |
| Lonia               | ainer  | 600  | es   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |      |      |      |      |       |     |    |     |     |  |   |   |               |

|      | Gla                      | ass  |                          |      | Plastic                |      | Misc.                  |
|------|--------------------------|------|--------------------------|------|------------------------|------|------------------------|
| VG9U | 40mL unpres clear vial   | AG4U | 125mL unpres amber       | BP4U | 125mL unpreserved      | SP5T | 120mL Coliform Na Thio |
| VG9C | 40mL Ascorbic-HCl        | AG3U | 250mL unpres amber       | BP3U | 250mL unpreserved      | R    | Terracore Kit          |
| VG9H | 40mL HCl clear vial      | AG2U | 500mL unpres amber       | BP2U | 500mL unpreserved      | WG2U | 2oz Unpreserved Jar    |
| VG9S | 40mL Sulfuirc clear vial | AG1U | 1liter unpres amber      | BP1U | 1L unpreserved plastic | WGFU | 4oz Unpreserved Jar    |
| DG9T | 40mL Na Thiosulfate vial | AG34 | Ammonium CI 250mL        | BP4N | 125mL HNO3 plastic     | WGKU | 8oz Unpreserved Jar    |
| DG9Y | 40mL Citrate-Na          | AG3S | 250mL H2SO4 amber        | BP3N | 250mL HNO3 plastic     | WGDU | 16oz Unpreserved Jar   |
| DG9P | 40mL amber vial - TSP    | AG4E | 125mL EDA amber          | BP2N | 500mL HNO3 plastic     | ZPLC | Ziplock Bag            |
| DG9A | Ascorbic/Maleic Acid     | AG3T | 250mL Na Thio amber      | BP3S | 250mL H2SO4 plastic    | TEDL | Tedlar Bag             |
| DG6T | Na Thio 60mL Vial        | AG2R | Na Sulfite 500mL (blue   | BP2S | 500mL H2SO4 plastic    | BG1H | 1L HCL Clear Glass     |
| DG9S | Ammonium CI/CuSO4        | AG1T | Na Thiosulfate 1L bottle | BP3C | NaOH 250mL bottle      | GN   | General                |
| CG1U | 1L Unpres Jar (Con Ed)   | AG1H | 1L HCl amber glass       | BP3T | 250mL Trizma           | WP   | Wipe                   |
|      |                          | AG1A | 1L Ammonium Chloride     | BP35 | 250mL Ammonium         |      |                        |
| WG90 | 8oz clear soil jar       |      | "                        | BP3R | 250mL NH4SO4-          | 1    |                        |
| WG40 | 4oz clear soil jar       |      |                          | BP1Z | 1L NaOH, Zn Acetate    | 1    |                        |
|      |                          |      |                          | BP1N | 1L HNO3 plastic        | 1    |                        |
|      | -                        |      |                          | BP1B | Na Thiosulfate Amber   | 1    |                        |

|       | loc                    |   |
|-------|------------------------|---|
| BP1U  | 1L unpreserved plastic |   |
| BP3N* | 250mL HNO3 plastic     |   |
| BP3C  | 250mL Sodium           |   |
| AG2U  | 500mL unpres amber     | _ |

Use Point Number Spreadsheet

| _ |     |      |     |      |
|---|-----|------|-----|------|
| * | Can | alca | hoa | DOAN |

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

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

Additional Comments

| Courier: Fed Ex UPS USPS Ocient ommercial race other  Tracking #:  Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No No No No No No No No No No No No No   | 22    |
|--|-------|
| Custody Seal on Cooler/Box Present:Yes   |       |
| Packing Material: _Bubble Wrap _ Bubble Bags _ Ziploc _ Jone _ Other _ Type of Ice: _ Wet Blue None _ Thermometer Used: _ THIYS _ Correction Factor: _ + O.   Samples on ice, cooling process has begun  |       |
| Thermometer Used: TH148 Correction Factor: + O.1   |       |
| 11118  |       |
| Cooler Temperature (*CI- 17) / Cooler Temperature Corrected (*C): Date/Time 5035A kits placed in freezer   |       |
|  |       |
| Temp should be above freezing to 6.0°C   |       |
| USDA Regulated Soil ( 🗆 N/A, water sample) Date and Initials of person examining contents: W ? 12/12/  | 202   |
| Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC. Did samples originate from a foreign source   |       |
| NM, NY, OK, OR, SC, TN, TX, or, VA. (check man)? ☐ Yes ☐ No including Hawaii and Puerto Rico)? ☐ Yes,  | X) No |
| If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.   | `     |
| COMMENTS:  |       |
| Chain of Custody Present: QYes ONO 1.  |       |
| Chain of Custody Filled Out: No 2  |       |
| Chain of Custody Relinquished:   Over ONO 3.   | ß     |
| Sampler Name & Signature on COC: ZYes No N/A 4.  |       |
| Samples Arrived within Hold Time: Dives ONo 5.   |       |
| Short Hold Time Analysis (<72hr): DYes . DNo 6.  |       |
| Rush Turn Around Time Requested: DYes ZNo 7.   |       |
| Sufficient Volume: (Triple volume provided for IDYes ONO 8.  |       |
| Correct Containers Used: DNo 9.  |       |
| -Pace Containers Used: DYes DNo  |       |
| Containers Intact: Zives ONo 10.   |       |
| Filtered volume received for Dissolved tests   |       |
| Sample Labels match COC: DYes DNo 12.  |       |
| -Includes date/time/ID/ Matrix: SL WT OIL  | , it  |
| All containers needing preservation have been $\square$ Yes $\square$ No $\longrightarrow$ $\square$ N/A 13. $\square$ HNO <sub>3</sub> $\square$ H <sub>2</sub> SO <sub>4</sub> $\square$ NaOH $\square$ HCI  |       |
| checked?   |       |
| pH paper Lot #   |       |
| All containers needing preservation are found to be Sample #   |       |
| in compliance with method recommendation?  |       |
| (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCI, NaOH>9 Sulfide,□Yes □No ØN/A   |       |
| NAOH>12 Cyanide)   | 97    |
| Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 [water].  Initial when completed: Lot # of added Date/Time preserved.   | tive  |
| Per Method, VOA pH is checked after analysis preservative: added:  |       |
| Samples checked for dechlorination:     ONA PH'S checked arter analysis   ONA PN/A   14.   |       |
| KI starch test strips Lot #  |       |
| Positive Integral - to the Positive Int Res Chloring? V. M.  |       |
| SM 4500 CN samples checked for sulfide?   SM 4500 CN samples checked for sulfide?   SN 4500 CN samples checked for |       |
| Lead Acetate Strips Lot # Positive for Sulfide? Y N  |       |
| Headspace in VOA Vials (>6mm):   Yes -  No  No  16.  |       |
| Trip Blank Present: OYes ONO 1 ON/A 17.  |       |
| Trip Blank Custody Seals Present   |       |
| Pace Trip Blank Lot # (if applicable):   |       |
| Client Notification/ Resolution: Field Data Required? Y / N  |       |
| Person Contacted: Date/Time:   |       |
| Comments/ Resolution:  |       |
|  |       |
|  |       |
|  |       |

ENV-FRM-MELV-0024 01

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





December 14, 2022

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

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

#### Dear Robert Gregory:

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

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

• Pace Analytical Services - Melville

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

Sincerely,

Kimberley M. Mack

Kimberley Mack.

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 12/12

Pace Project No.: 70239532

Pace Analytical Services Long Island

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

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

New York Certification #: 10478 Primary Accrediting Body

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

Virginia Certification # 460302



#### **SAMPLE SUMMARY**

Project: BACT SERIES 12/12

Pace Project No.: 70239532

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



# **SAMPLE ANALYTE COUNT**

Project: BACT SERIES 12/12

Pace Project No.: 70239532

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

PACE-MV = Pace Analytical Services - Melville

(631)694-3040



**ANALYTICAL RESULTS** 

Project: BACT SERIES 12/12

Pace Project No.: 70239532

Date: 12/14/2022 04:49 PM

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

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
 12/12/22 17:30
 12/13/22 11:30

 E.coli
 Absent
 1
 12/12/22 17:30
 12/13/22 11:30

(631)694-3040



# **ANALYTICAL RESULTS**

Project: BACT SERIES 12/12

Pace Project No.: 70239532

Date: 12/14/2022 04:49 PM

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

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
 12/12/22 17:30
 12/13/22 11:30

 E.coli
 Absent
 1
 12/12/22 17:30
 12/13/22 11:30





# **ANALYTICAL RESULTS**

Project: BACT SERIES 12/12

Pace Project No.: 70239532

Date: 12/14/2022 04:49 PM

Sample: GAC-3S/4S-VESSEL#400-5 Lab ID: 70239532003 Collected: 12/12/22 07:20 Received: 12/12/22 09:16 Matrix: Drinking Water Report Reg. Parameters Results Units Limit Limit DF Prepared CAS No. Analyzed Qual

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

Pace Analytical Services - Melville

 Total Coliforms
 Absent
 1
 12/12/22 17:30
 12/13/22 11:30

 E.coli
 Absent
 1
 12/12/22 17:30
 12/13/22 11:30

CAS No.

Analyzed

(631)694-3040

Qual



# **ANALYTICAL RESULTS**

Project: BACT SERIES 12/12

Pace Project No.: 70239532

**Parameters** 

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

10

Date: 12/14/2022 04:49 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** 12/12/22 17:30 12/13/22 11:30 E.coli **Absent** 12/12/22 17:30 12/13/22 11:30

(631)694-3040



# **ANALYTICAL RESULTS**

Project: BACT SERIES 12/12

Pace Project No.: 70239532

**Parameters** 

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

Date: 12/14/2022 04:49 PM

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

**Total Coliforms Absent** 12/12/22 17:30 12/13/22 11:30 E.coli **Absent** 12/12/22 17:30 12/13/22 11:30



#### **QUALITY CONTROL DATA**

Project: BACT SERIES 12/12

Pace Project No.: 70239532

QC Batch: 286039 Analysis Method: SM22 9223B Colilert

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

Laboratory: Pace Analytical Services - Melville

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

METHOD BLANK: 1445832 Matrix: Drinking Water

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

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

E.coli Absent 12/13/22 11:30
Total Coliforms Absent 12/13/22 11:30

SAMPLE DUPLICATE: 1445833

Date: 12/14/2022 04:49 PM

70239661001 Dup Max
Parameter Units Result Result RPD RPD Qualifiers

E.coli Absent Absent Total Coliforms Absent Absent Absent

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



#### **QUALIFIERS**

Project: BACT SERIES 12/12

Pace Project No.: 70239532

#### **DEFINITIONS**

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

**RPD - Relative Percent Difference** 

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

Date: 12/14/2022 04:49 PM

#### **REPORT OF LABORATORY ANALYSIS**



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: BACT SERIES 12/12

Pace Project No.: 70239532

Date: 12/14/2022 04:49 PM

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

WO#:70239532



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

| Section A | Client Information:  | Section B<br>Required P | roiect                    | Inforr      | mation:    |                                      |          |          |               | Secti<br>Invoi  |             | C<br>nform | ation:  |       |                   |          |        |               |                        |      |        |          |          |         |           | P      | age :                   | 1        |          | Of                      | 1                         |
|-----------|--|-------------------------|---------------------------|-------------|------------|--------------------------------------|----------|----------|---------------|-----------------|-------------|------------|---------|-------|-------------------|----------|--------|---------------|------------------------|------|--------|----------|----------|---------|-----------|--------|-------------------------|----------|----------|-------------------------|---------------------------|
| Company   |  | Report To:              | _                         | ert Gr      |            |                                      |          |          |               | Atten           | tion:       | A          | ccoun   | ts Pa | vable             |          | _      |               | _                      |      |        |          |          | 1       |           |        | ASSAULT VI              |          |          |                         |                           |
| Address:  | 180 Gordon Dr., Suite 110  | Copy To:                | NCI                       |             | egory      |                                      |          |          | -             |                 |             | Name       |         |       |                   |          | ent So | iutio         | ns, LI                 | .c   |        |          |          | 1       |           |        |                         |          |          |                         |                           |
|           | Exton. PA  |                         |                           |             |            | Address: accountspayable@komangs.com |          |          |               |                 |             |            |         |       | Regulatory Agency |          |        |               |                        |      |        |          |          |         |           |        |                         |          |          |                         |                           |
| Email:    | RGredorv@komands.com   | Purchase O              | rder#                     |             | 02607-204  | 4                                    |          |          |               | Pace            | Que         | ote:       | -       |       |                   |          |        |               |                        |      |        |          |          |         |           |        |                         |          |          |                         |                           |
| Phone:    | (610) 400-0636 Fax:  | Project Nan             | ne:                       |             | W-MERRI    |                                      | FACILITY |          |               | Pace            | Pro         | ect M      | anage   | г:    | Kir               | nber     | lev.l  | Mac           | K@F                    | acel | bs.c   | om       |          |         |           |        | State                   | / Loca   | ation    |                         |                           |
| Requeste  | d Due Date:  | Project #: 0            | 2607-2                    | 204         |            |                                      |          |          |               | Pace            | Pro         | file#:     |         |       | #=0               |          |        |               |                        |      |        | -        |          |         |           |        |                         | NY       |          |                         |                           |
|           |  |                         |                           |             |            | *                                    | -        |          |               |                 |             |            |         |       |                   |          |        |               |                        | Req  | uestec | d Anal   | lysis F  | litered | (Y/N)     |        |                         |          |          |                         |                           |
|           |  |                         | (see valid codes to left) | C=COMP)     |            | COLL                                 | ECTED    |          | 2             |                 |             |            | Pres    | ervat | tives             |          |        | X.II          |                        |      |        |          |          |         |           |        |                         |          |          |                         |                           |
| 1 1       | MATRI<br>Drinkh<br>Water   | g Water DW<br>WT        | code                      | 3           |            |                                      |          |          | CTIO          | 1               |             | П          |         | T     | Γ                 |          |        | П             | П                      |      | Т      |          |          |         |           |        | 9                       |          |          |                         |                           |
|           | SAMPLE ID Waste Production Salvistic | Water WW<br>t P         | se valid                  | (G=GRAB     |            | DT                                   | -        | ND       | AT COLLECTION | ا ا             |             |            |         |       |                   |          |        | est           | <del>§</del>           |      |        |          |          |         |           |        | Residual Chlorine (Y/N) |          |          |                         |                           |
|           | One Character per box.   | OL<br>WP<br>AR<br>OT    |                           | 1 1         | STA        | AK I                                 | -        | I        | TEMP AT       | # OF CONTAINERS | D.          |            |         |       |                   |          |        | Analyses Test | Colilert (Fecal/Ecoli) |      |        |          |          |         |           |        | Shbrir                  |          |          |                         |                           |
| # 5       | (A-Z, 0-9 / , -)  Sample lds must be unique  Tassue  | OT<br>TS                | X CODE                    | SAMPLE TYPE |            |                                      |          |          | E TE          | CONT            | Unpresorved | 4          |         | -     | Na2S203           | Methanol | J      | naly          | rt (Fe                 |      |        |          |          |         |           |        | dual                    |          |          |                         |                           |
| ITEM      |  |                         | MATRIX                    | SAMP        | DATE       | TIME                                 | DATE     | TIME     | SAMPLE        | # OF            | Unpr        | H2SO4      | SH S    | NaOH  | Na28              | Meth     | Other  | A             | Colile                 |      |        |          |          |         |           |        | Ros                     |          |          |                         |                           |
| 1         | GAC-3S/4S-Vessel#400-0   |                         | DV                        | G           | Y          |                                      | 2022     | 7:15     |               | 1               | x           |            |         |       | L                 |          |        |               | х                      |      |        |          |          |         |           |        | Ц                       | _        |          |                         |                           |
| 2         | GAC-3S/4S-Vessel#400-2   |                         | DV                        | G           |            | J.                                   | 11232    | 7:17     | L             | 1               | x           | Ц          |         | _     | _                 |          |        |               | х                      |      | 1      |          | _        | 4_      | Ш         |        | Ц                       | _        |          |                         |                           |
| 3         | GAC-3S/4S-Vessel#400-5   |                         | DW                        | / G         |            | Jo                                   | 1222     | 7:20     | 1             | 1               | x           |            |         | 1     | $\perp$           | L        |        |               | x                      |      | 1      | $\sqcup$ | _        | -       | Н         | -      | Н                       | _        |          |                         |                           |
| 4         | GAC-3S/4S-Vessel#400-1   | 0                       | DV                        | G           |            | k                                    | 112.21   | 7:25     | 1             | 1               | x           | Н          | _       | +     | 1                 | _        | _      |               | х                      | +    | _      | $\vdash$ |          | -       | $\vdash$  | _      | Н                       | _        |          |                         |                           |
| 5         | GAC-3S/4S-Vessel#400-3   | 0                       | DV                        | / G         |            | 1.                                   | 1622     | 7,45     | 1             | 1               | x           | Ш          | $\perp$ | +     | 1                 | -        | -      |               | х                      | +    | -      | H        |          | +       | H         | +      | H                       | -        |          |                         |                           |
| 6         |  |                         | 1                         | Ш           |            |                                      |          |          | $\vdash$      |                 |             | $\vdash$   | +       | +     | +                 | +        | -      |               |                        |      | +      | $\vdash$ | -        | +       | $\vdash$  | +      | Н                       | -        |          |                         |                           |
| 7         |  |                         | _                         |             |            |                                      |          | <u> </u> | +             |                 |             | $\vdash$   |         | -     | +                 | +        | +      |               | Н                      | +    | +      | H        | +        | +       | $\vdash$  | +      | Н                       | -        |          |                         |                           |
| 8         |  |                         | +                         | $\vdash$    |            |                                      |          |          | ╀             | H               |             | Н          | +       | +     | +                 | +        | -      |               | Н                      | +    | +      |          | -        | +       | ${}^{+}$  | -      | H                       | -        |          |                         |                           |
| 9         |  |                         | +                         | $\vdash$    |            |                                      | -        |          | ╀             | ┝               | -           | Н          | +       | +     | +                 | +        | +      |               | H                      | +    | +      | +        | ++       | +       | $\forall$ | +      | H                       | $\vdash$ |          |                         |                           |
| 10        |  |                         | +                         | $\vdash$    |            |                                      | -        | -        | +             | $\vdash$        | -           | H          | +       | -     | +                 | +        |        | 1             | -                      |      | +      | $\vdash$ |          | +       | $\forall$ | +      | $\forall$               |          |          |                         |                           |
| 11        |  |                         | +                         | $\vdash$    |            |                                      | -        | -        | ╁             | H               |             | $\vdash$   | +       | +     | +                 | 十        | +      | 1             | H                      | +    | +      | +        | $\dashv$ | ╈       | $\Box$    |        | $\forall$               | F        | -        | 11-1-19                 |                           |
| 12        | ADDITIONAL COMMENTS  |                         | RELI                      | HQUIS       | HED BY / A | LFFILIATK                            | DN       | DAT      | E             | t               | TEMI        | E          |         | _     | AC                | CEPT     | ED B.  | YIAF          | FILIA                  | ПОИ  |        | _        | DA       | ATE     | 1         | TIME   |                         | SAM      | APLE CO  | NOITIONS                |                           |
|           |  | 120                     | 76                        | 4           | office     | Sh                                   | į        | 1.12.    | 32            | T               |             |            |         | de    | n_                | P        | CL     | T             |                        |      |        |          | 12:      | 112     | 9:        | 6      | 0.4                     | 1 7      |          | N                       | Ψ                         |
|           |  | 7)                      |                           |             | 10         |                                      |          |          |               |                 |             |            | //      |       |                   |          |        |               |                        |      |        |          |          |         |           |        |                         |          |          |                         |                           |
| Page      |  |                         |                           |             |            |                                      |          |          |               | _               |             |            | _       |       |                   |          |        |               |                        |      |        |          | <u></u>  |         | -         |        | 1                       | +        | _        |                         |                           |
| 3         |  |                         |                           |             |            |                                      | es Mare  |          |               |                 | -           |            |         | _     | _                 |          | -      |               | _                      |      |        |          |          |         | 1         | -12-14 | -                       | +-       | $\dashv$ |                         |                           |
| of 15     |  |                         |                           |             |            | 10.27                                | ER NAME  |          |               | _               | -           |            | -       | -     |                   |          |        |               |                        |      | _      |          | -        |         | -         |        | ပူ                      | lo bi    |          | <b>.</b>                | v <sub>2</sub>            |
| 01        |  |                         |                           |             |            |                                      | NATURE   |          |               | i: /            | Ra          | andy       | Hoffi   | mast  | ter               | N.S      | A      | ·             | Г                      | DATE | Signe  | d:       | 20       | 9 :     | 3         |        | TEMP in                 | Secelve  | (N/)     | caled<br>Cooler<br>Y/N) | Samplos<br>ntact<br>(Y/N) |

WO#:70239532 COC PAGE \_\_\_\_ of \_\_\_\_ Sample Container Count PM: KMM Due Date: 12/19/22 KGS Bact Series 12/12 Profile # 5456 CLIENT: KGS Use Point Number Spreadshee Notes COC AG3S AG4E AG3T AG2R WGKU VG9S DG9T DG9P DG9A AG4U AG3U AG2U AG1U AG1A CG1U WGFU DG6T DG9S AG34 AG1H BP4U BP2U BP1U AG1T BP3U BP4N **BP2N** BP3C **BP35** BP3N BP3R BP1Z BP1N BP1B SP5T ZPLC Line 00 N O Item 2 3 5 6 8 9 10 11 12 Container Codes Glass Misc. Matrix Plastic IOC VG9U 40mL unpres clear vial AG4U 125mL unpres amber BP4U | 125mL unpreserved SP5T 120mL Coliform Na Thio BP1U 1L unpreserved plastic WT Water VG9C 40mL Ascorbic-HCI AG3U 250mL unpres amber BP3U 250mL unpreserved Terracore Kit BP3N\* 250mL HNO3 plastic Solid VG9H 40mL HCl clear vial AG2U 500mL unpres amber BP2U 500mL unpreserved WG2U 2oz Unpreserved Jar BP3C 250mL Sodium NAL Non-aqueous Liquid VG9S 40mL Sulfuirc clear vial AG1U 1liter unpres amber BP1U 1L unpreserved plastic WGFU 4oz Unpreserved Jar AG2U 500mL unpres amber OL OIL DG9T 40mL Na Thiosulfate vial AG34 Ammonium CI 250mL BP4N 125mL HNO3 plastic WGKU 8oz Unpreserved Jar WP Wipe DG9Y 40mL Citrate-Na AG3S 250mL H2SO4 amber BP3N 250mL HNO3 plastic WGDU 16oz Unpreserved Jar DW Drinking Water DG9P 40mL amber vial - TSP AG4E 125mL EDA amber BP2N 500mL HNO3 plastic ZPLC Ziplock Bag Can also be a BP4N DG9A Ascorbic/Maleic Acid AG3T 250mL Na Thio amber TEDL Tedlar Bag BP3S 250mL H2SO4 plastic DG6T Na Thio 60mL Vial AG2R Na Sulfite 500mL (blue BP2S 500mL H2SO4 plastic BG1H 1L HCL Clear Glass DG9S Ammonium Cl/CuSO4 AG1T Na Thiosulfate 1L bottle BP3C NaOH 250mL bottle GN General CG1U 1L Unpres Jar (Con Ed) AG1H 1L HCl amber glass BP3T 250mL Trizma WP Wipe SOC AG1A 1L Ammonium Chloride BP35 250mL Ammonium DG9T 40mL Na Thio amber 2 WG90 8oz clear soil jar BP3R 250mL NH4SO4-DG9A 40mL Ascorbic acid 2 WG40 4oz clear soil jar BP1Z 1L NaOH, Zn Acetate DG9Y Citrate/Na Thiosulfate 2 BP1N 1L HNO3 plastic DG6T Na Thiosulfale 60mL vial BP1B Na Thiosulfate Amber AG3U 250mL unpres amber AG3T Na Thiosulfate 250mL BP1B Na Thiosulfate Amber AG1T Na Thiosultate 1L 2 AG1A (NH4CL) Additional Comments 9

| Pace Analytical  | Client N     | lame:<br>K G S | >              |              | WO#              | #:70                            | 239  | 532  |
|--|--------------|----------------|----------------|--------------|------------------|---------------------------------|--|--|
| Courier: Fed Ex UPS USPS Ochier Tracking #:  | nt Domm      | ercial [       | Pace Dth       | ner          | PM: KN           |                                 | Due Da   | te: 12/19/22   |
| Custody Seal on Cooler/Box Present:  | Yes No       | Seals          | intact: 🔲 Yı   | es No Z      |                  | . 103                           |  |  |
| Packing Material: Bubble Wrap Bubb   |              |                |                |              |                  | τγρε σε τ                       | LE. UILL   | 0.00   |
| Thermometer Used: TH148  |              |                | or: + (),      |              |                  |                                 |  | ng process has begun   |
| Cooler Temperature(°CJ: 1), 6  |              |                | ture Correc    |              | 12-4             |                                 | to the same of the | s placed in freezer  |
| Temp should be above freezing to 6.0°C   |              |                |                |              |                  | -/:                             | 11   |  |
| USDA Regulated Soil ( 🖾 N/A, water samp  | le)          |                | *              | Date and     | Initials of p    | erson exam                      | ining conte  | nts: W 7 12/12/200   |
| Did samples originate in a quarantine zone   |              | i<br>nited Sta | tes AL AR C    |              |                  |                                 |  | from a foreign source  |
| NM, NY, OK, OR, SC, TN, TX, or VA (check map   |              | s 🗆 No         | (05.114.114.01 | 4.40.0.0     | O ( 1.10, 1.10,  |                                 |  | ruerto Rico]? 🛛 Yes🏹 1   |
| If Yes to either question, fill out a Regula   |              |                | F-(1-C-010) a  | and include  | with SCUR/O      | COC nanerwi                     | nrk  | 100 to 10 |
| The second of th | itto Juli on | Colono         | 2. 2 , .       |              |                  |                                 | MMENTS:  |  |
| Chain of Custody Present:  | ØYes.        | ĎNo            |                | 1.           |                  |                                 |  |  |
| Chain of Custody Filled Out:   | Ø₹es .       | . ONo          |                | 2            |                  |                                 |  |  |
| Chain of Custody Relinquished:   | ElYes        | □No            |                | 3.           |                  |                                 |  |  |
| Sampler Name & Signature on COC:   | ØYes         | □No            | □N/A           | 4.           |                  |                                 |  |  |
| Samples Arrived within Hold Time:  | rdYes .      | □No            |                | 5.           | 3.               |                                 |  |  |
| Short Hold Time Analysis (<72hr):  | ⊡Yes         | . DNg          |                | 6.           |                  |                                 |  |  |
| Rush Turn Around Time Requested:   | □Yes         | ZNO            |                | 7.           |                  |                                 |  |  |
| Sufficient Volume: (Triple volume provided for   |              | □No            |                | 8.           |                  |                                 |  |  |
| Correct Containers Used:   | Dyes         | □No            |                | 9.           |                  |                                 |  |  |
| -Pace Containers Used:   | 6Yes         | □No            |                | 1            |                  |                                 | 34   |  |
| Containers Intact:   | ØYes         | □No            |                | 10_          | *                |                                 |  |  |
| Filtered volume received for Dissolved tests   | □Yes         | □No -          | en/a           | 11,          | Note if sedir    | nent is visibl                  | e in the disso   | olved container.   |
| Sample Labels match COC:   | Yes          | □No            |                | 12.          |                  |                                 | . W  |  |
| -Includes date/time/ID/Matrix: SL WT   |              |                | -/             | 177          | - IIII           | - 11.00                         |  | - 401  |
| All containers needing preservation have be checked?   | en □Yes      | □No            | ~ √∆N/A        | 13.          | □ HNO³           | □H <sub>z</sub> SO <sub>4</sub> | □ ИзОН-  | □ HCÍ  |
| pH paper Lot #   |              |                |                | 1            | 125              |                                 |  |  |
| All containers needing preservation are four   | od to be     |                | /              | Sample #     |                  |                                 |  |  |
| in compliance with method recommendation   | n?           |                |                |              |                  |                                 |  |  |
| (HNO3, H2SO4, HCl, NaOH>9 Sulfide,   | □Yes         | □No            | EN/A           | 54           |                  |                                 |  |  |
| NADH>12 Cyanīde)   |              |                |                |              |                  |                                 | Sec. 1981  | 9  |
| Exceptions: VOA, Coliform, TOC/DOC, Oil and I  | Grease,      |                | /              |              |                  |                                 |  |  |
| DR0/8015 (water).  |              |                | -/             | Initial when | completed:       | ı                               |  | Date/Time preservative   |
| Per Method, VOA pH is checked after analysis   |              |                | _/_            |              |                  | preservative                    |  | added:   |
| Samples checked for dechlorination:  | □Yes         | □No            | ØN/A           | 14.          |                  |                                 |  |  |
| KI starch test strips Lot #  | 17.25        | 3              | 1./            |              | ··· ( D          | 0/1 : 0 */                      |  |  |
| Residual chlorine strips Lot #   |              |                | SN/A/          | 15. Pi       | ositive for Res  | s. Chlorine? Y                  | N  |  |
| SM 4500 CN samples checked for sulfide?  | □Yes         | □No            | UNIA           | 1            | ositive for Sull | 9d-2 v                          | .,   |  |
| Lead Acetate Strips Lot #  Headspace in VOA Vials ( >6mm):   | ΩV           | CNo            | DNA            | 16.          | ostave for 200   | ioe: Y                          | Ŋ =  |  |
| Trip Blank Present:  | □Yes -       | □No {          | ON/A           | 17.          |                  |                                 |  |  |
| Trip Blank Custody Seals Present   | □Yes         |                | ØN/A           |              |                  |                                 |  |  |
| Pace Trip Blank Lot # (if applicable):   | 1163         | Ditto          | 9.44           |              |                  |                                 |  |  |
| Client Notification/ Resolution:   |              |                |                | Field Data R | equired?         | Y                               | / N -  |  |
| Person Contacted:  |              |                |                |              | Date/Time:       |                                 |  |  |
| Comments/ Resolution:  |              |                |                |              |                  |                                 |  |  |
|  |              |                |                |              |                  |                                 |  |  |
|  |              |                |                |              | 140              |                                 |  |  |
|  |              |                |                |              | 44               | 0                               | 5 .  |  |

ENV-FRM-MELV-0024 01

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