



6 May 2022

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

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

Sampling Requirements

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

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

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

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

April 2022 Sampling Summary

Monthly POC Sampling

On 8 April 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 April 2022. **Table 1**, below, presents the trichloroethene (TCE) analytical results. TCE was not detected in the GAC effluent or GAC effluent duplicate samples. Results for TCE are in compliance with NCDOH requirements.

Table 1 - TCE Analytical Results⁽¹⁾ – April 2022

Date	Well 3A Raw [N-14347 (Seaman Neck 3A Well)]	Well 4S Raw [N-09338 (Seaman Neck 4S Well)]	Effluent from GAC System [GAC-3S/4S (Seaman Neck GAC Effluent)]	Effluent from GAC System (Duplicate) [GAC-3S/4S (Seaman Neck GAC Effluent)-D]
04/08/2022	33.7	4.5	ND	ND

Notes:

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

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

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

Sincerely,
KOMAN Government Solutions, LLC



Robert Gregory, P.G.
Project Manager

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

ATTACHMENT 1

POC ANALYTICAL RESULTS FOR APRIL 2022

April 19, 2022

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

RE: Project: POC/1.4-DIOX 4/8
Pace Project No.: 70210290

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on April 08, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,



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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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SAMPLE SUMMARY

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70210290001	GAC-3S/4S (SEAMAN NECK GAC EFF)	Drinking Water	04/08/22 07:00	04/08/22 13:31
70210290002	GAC-3S/4S (SEAMAN NECK GAC E-D)	Drinking Water	04/08/22 07:20	04/08/22 13:31
70210290003	WELL 3A N-14347 (INFLUENT)	Drinking Water	04/08/22 07:45	04/08/22 13:31
70210290004	WELL 4 N-09338 (INFLUENT)	Drinking Water	04/08/22 07:35	04/08/22 13:31

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SAMPLE ANALYTE COUNT

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70210290001	GAC-3S/4S (SEAMAN NECK GAC EFF)	EPA 522	AI1	2
		EPA 524.2	KGG	62
70210290002	GAC-3S/4S (SEAMAN NECK GAC E-D)	EPA 524.2	KGG	62
70210290003	WELL 3A N-14347 (INFLUENT)	EPA 522	AI1	2
		EPA 524.2	KGG	62
70210290004	WELL 4 N-09338 (INFLUENT)	EPA 522	AI1	2
		EPA 524.2	KGG	62

PACE-MV = Pace Analytical Services - Melville

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ANALYTICAL RESULTS

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF) **Lab ID:** 70210290001 Collected: 04/08/22 07:00 Received: 04/08/22 13:31 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	1.7	ug/L	0.020		1	04/12/22 10:37	04/12/22 23:05	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	102	%	70-130		1	04/12/22 10:37	04/12/22 23:05		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		1		04/19/22 11:27	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		04/19/22 11:27	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50		1		04/19/22 11:27	75-27-4	
Bromoform	<0.50	ug/L	0.50		1		04/19/22 11:27	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		04/19/22 11:27	74-83-9	v3
n-Butylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		1		04/19/22 11:27	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		04/19/22 11:27	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		04/19/22 11:27	75-00-3	
Chloroform	<0.50	ug/L	0.50		1		04/19/22 11:27	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		04/19/22 11:27	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		04/19/22 11:27	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		04/19/22 11:27	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50		1		04/19/22 11:27	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		04/19/22 11:27	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		04/19/22 11:27	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		04/19/22 11:27	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		1		04/19/22 11:27	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50		1		04/19/22 11:27	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50		1		04/19/22 11:27	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50		1		04/19/22 11:27	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		1		04/19/22 11:27	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		04/19/22 11:27	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		04/19/22 11:27	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		04/19/22 11:27	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		04/19/22 11:27	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		04/19/22 11:27	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		04/19/22 11:27	87-68-3	L1
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		04/19/22 11:27	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		04/19/22 11:27	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF) **Lab ID:** 70210290001 Collected: 04/08/22 07:00 Received: 04/08/22 13:31 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50		1		04/19/22 11:27	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		04/19/22 11:27	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	103-65-1	
Styrene	<0.50	ug/L	0.50		1		04/19/22 11:27	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		04/19/22 11:27	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		04/19/22 11:27	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		1		04/19/22 11:27	127-18-4	
Toluene	<0.50	ug/L	0.50		1		04/19/22 11:27	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50		1		04/19/22 11:27		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50		1		04/19/22 11:27	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50		1		04/19/22 11:27	79-00-5	
Trichloroethene	<0.50	ug/L	0.50		1		04/19/22 11:27	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		04/19/22 11:27	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		04/19/22 11:27	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		04/19/22 11:27	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:27	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		1		04/19/22 11:27	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		04/19/22 11:27	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		04/19/22 11:27	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	91	%	70-130		1		04/19/22 11:27	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		04/19/22 11:27	460-00-4	

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ANALYTICAL RESULTS

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

Sample: GAC-3S/4S (SEAMAN NECK GAC E-D) **Lab ID:** 70210290002 Collected: 04/08/22 07:20 Received: 04/08/22 13:31 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		1		04/19/22 11:53	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		04/19/22 11:53	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50		1		04/19/22 11:53	75-27-4	
Bromoform	<0.50	ug/L	0.50		1		04/19/22 11:53	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		04/19/22 11:53	74-83-9	v3
n-Butylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		1		04/19/22 11:53	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		04/19/22 11:53	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		04/19/22 11:53	75-00-3	
Chloroform	<0.50	ug/L	0.50		1		04/19/22 11:53	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		04/19/22 11:53	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		04/19/22 11:53	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		04/19/22 11:53	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50		1		04/19/22 11:53	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		04/19/22 11:53	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		04/19/22 11:53	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		04/19/22 11:53	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		1		04/19/22 11:53	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50		1		04/19/22 11:53	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50		1		04/19/22 11:53	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50		1		04/19/22 11:53	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		1		04/19/22 11:53	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		04/19/22 11:53	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		04/19/22 11:53	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		04/19/22 11:53	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		04/19/22 11:53	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		04/19/22 11:53	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		04/19/22 11:53	87-68-3	L1
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		04/19/22 11:53	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		04/19/22 11:53	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50		1		04/19/22 11:53	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		04/19/22 11:53	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	103-65-1	
Styrene	<0.50	ug/L	0.50		1		04/19/22 11:53	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		04/19/22 11:53	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		04/19/22 11:53	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

Sample: GAC-3S/4S (SEAMAN NECK GAC E-D) **Lab ID:** 70210290002 Collected: 04/08/22 07:20 Received: 04/08/22 13:31 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Tetrachloroethene	<0.50	ug/L	0.50		1		04/19/22 11:53	127-18-4	
Toluene	<0.50	ug/L	0.50		1		04/19/22 11:53	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50		1		04/19/22 11:53		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50		1		04/19/22 11:53	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50		1		04/19/22 11:53	79-00-5	
Trichloroethene	<0.50	ug/L	0.50		1		04/19/22 11:53	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		04/19/22 11:53	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		04/19/22 11:53	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		04/19/22 11:53	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		04/19/22 11:53	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		1		04/19/22 11:53	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		04/19/22 11:53	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		04/19/22 11:53	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	90	%	70-130		1		04/19/22 11:53	2199-69-1	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/19/22 11:53	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

Sample: WELL 3A N-14347 (INFLUENT) **Lab ID: 70210290003** Collected: 04/08/22 07:45 Received: 04/08/22 13:31 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	1.9	ug/L	0.020		1	04/12/22 10:37	04/12/22 23:21	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	105	%	70-130		1	04/12/22 10:37	04/12/22 23:21		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		1		04/19/22 12:20	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		04/19/22 12:20	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50		1		04/19/22 12:20	75-27-4	
Bromoform	<0.50	ug/L	0.50		1		04/19/22 12:20	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		04/19/22 12:20	74-83-9	v3
n-Butylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		1		04/19/22 12:20	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		04/19/22 12:20	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		04/19/22 12:20	75-00-3	
Chloroform	<0.50	ug/L	0.50		1		04/19/22 12:20	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		04/19/22 12:20	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		04/19/22 12:20	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		04/19/22 12:20	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50		1		04/19/22 12:20	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		04/19/22 12:20	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		04/19/22 12:20	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		04/19/22 12:20	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		1		04/19/22 12:20	107-06-2	
1,1-Dichloroethene	0.85	ug/L	0.50		1		04/19/22 12:20	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50		1		04/19/22 12:20	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50		1		04/19/22 12:20	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		1		04/19/22 12:20	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		04/19/22 12:20	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		04/19/22 12:20	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		04/19/22 12:20	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		04/19/22 12:20	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		04/19/22 12:20	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		04/19/22 12:20	87-68-3	L1
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		04/19/22 12:20	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		04/19/22 12:20	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

Sample: WELL 3A N-14347 (INFLUENT) **Lab ID: 70210290003** Collected: 04/08/22 07:45 Received: 04/08/22 13:31 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50		1		04/19/22 12:20	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		04/19/22 12:20	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	103-65-1	
Styrene	<0.50	ug/L	0.50		1		04/19/22 12:20	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		04/19/22 12:20	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		04/19/22 12:20	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		1		04/19/22 12:20	127-18-4	
Toluene	<0.50	ug/L	0.50		1		04/19/22 12:20	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50		1		04/19/22 12:20		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50		1		04/19/22 12:20	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50		1		04/19/22 12:20	79-00-5	
Trichloroethene	33.7	ug/L	0.50		1		04/19/22 12:20	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		04/19/22 12:20	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		04/19/22 12:20	96-18-4	
1,1,2-Trichlorotrifluoroethane	0.90	ug/L	0.50		1		04/19/22 12:20	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:20	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		1		04/19/22 12:20	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		04/19/22 12:20	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		04/19/22 12:20	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	92	%	70-130		1		04/19/22 12:20	2199-69-1	
4-Bromofluorobenzene (S)	94	%	70-130		1		04/19/22 12:20	460-00-4	

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ANALYTICAL RESULTS

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70210290004** Collected: 04/08/22 07:35 Received: 04/08/22 13:31 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	1.9	ug/L	0.020		1	04/12/22 10:37	04/12/22 23:37	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	107	%	70-130		1	04/12/22 10:37	04/12/22 23:37		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		1		04/19/22 12:46	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		04/19/22 12:46	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50		1		04/19/22 12:46	75-27-4	
Bromoform	<0.50	ug/L	0.50		1		04/19/22 12:46	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		04/19/22 12:46	74-83-9	v3
n-Butylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		1		04/19/22 12:46	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		04/19/22 12:46	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		04/19/22 12:46	75-00-3	
Chloroform	<0.50	ug/L	0.50		1		04/19/22 12:46	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		04/19/22 12:46	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		04/19/22 12:46	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		04/19/22 12:46	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50		1		04/19/22 12:46	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		04/19/22 12:46	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		04/19/22 12:46	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		04/19/22 12:46	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		1		04/19/22 12:46	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50		1		04/19/22 12:46	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50		1		04/19/22 12:46	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50		1		04/19/22 12:46	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		1		04/19/22 12:46	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		04/19/22 12:46	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		04/19/22 12:46	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		04/19/22 12:46	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		04/19/22 12:46	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		04/19/22 12:46	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		04/19/22 12:46	87-68-3	L1
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		04/19/22 12:46	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		04/19/22 12:46	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70210290004** Collected: 04/08/22 07:35 Received: 04/08/22 13:31 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50		1		04/19/22 12:46	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		04/19/22 12:46	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	103-65-1	
Styrene	<0.50	ug/L	0.50		1		04/19/22 12:46	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		04/19/22 12:46	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		04/19/22 12:46	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		1		04/19/22 12:46	127-18-4	
Toluene	<0.50	ug/L	0.50		1		04/19/22 12:46	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50		1		04/19/22 12:46		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50		1		04/19/22 12:46	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50		1		04/19/22 12:46	79-00-5	
Trichloroethene	4.5	ug/L	0.50		1		04/19/22 12:46	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		04/19/22 12:46	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		04/19/22 12:46	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		04/19/22 12:46	76-13-1	L1,N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		04/19/22 12:46	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		1		04/19/22 12:46	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		04/19/22 12:46	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		04/19/22 12:46	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	93	%	70-130		1		04/19/22 12:46	2199-69-1	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/19/22 12:46	460-00-4	

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QUALITY CONTROL DATA

Project: POC/1.4-DIOX 4/8
Pace Project No.: 70210290

QC Batch: 252790 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70210290001, 70210290002, 70210290003, 70210290004

METHOD BLANK: 1277407 Matrix: Water
Associated Lab Samples: 70210290001, 70210290002, 70210290003, 70210290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	04/19/22 07:46	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	04/19/22 07:46	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	04/19/22 07:46	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	04/19/22 07:46	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	04/19/22 07:46	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	04/19/22 07:46	
1,1-Dichloroethene	ug/L	<0.50	0.50	04/19/22 07:46	
1,1-Dichloropropene	ug/L	<0.50	0.50	04/19/22 07:46	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	04/19/22 07:46	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	04/19/22 07:46	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	04/19/22 07:46	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	04/19/22 07:46	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	04/19/22 07:46	
1,2-Dichloroethane	ug/L	<0.50	0.50	04/19/22 07:46	
1,2-Dichloropropane	ug/L	<0.50	0.50	04/19/22 07:46	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	04/19/22 07:46	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	04/19/22 07:46	
1,3-Dichloropropane	ug/L	<0.50	0.50	04/19/22 07:46	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	04/19/22 07:46	
2,2-Dichloropropane	ug/L	<0.50	0.50	04/19/22 07:46	
2-Chlorotoluene	ug/L	<0.50	0.50	04/19/22 07:46	
4-Chlorotoluene	ug/L	<0.50	0.50	04/19/22 07:46	
Benzene	ug/L	<0.50	0.50	04/19/22 07:46	
Bromobenzene	ug/L	<0.50	0.50	04/19/22 07:46	
Bromochloromethane	ug/L	<0.50	0.50	04/19/22 07:46	
Bromodichloromethane	ug/L	<0.50	0.50	04/19/22 07:46	
Bromoform	ug/L	<0.50	0.50	04/19/22 07:46	
Bromomethane	ug/L	<0.50	0.50	04/19/22 07:46	v3
Carbon tetrachloride	ug/L	<0.50	0.50	04/19/22 07:46	
Chlorobenzene	ug/L	<0.50	0.50	04/19/22 07:46	
Chlorodifluoromethane	ug/L	<0.50	0.50	04/19/22 07:46	N3
Chloroethane	ug/L	<0.50	0.50	04/19/22 07:46	
Chloroform	ug/L	<0.50	0.50	04/19/22 07:46	
Chloromethane	ug/L	<0.50	0.50	04/19/22 07:46	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	04/19/22 07:46	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	04/19/22 07:46	
Dibromochloromethane	ug/L	<0.50	0.50	04/19/22 07:46	
Dibromomethane	ug/L	<0.50	0.50	04/19/22 07:46	
Dichlorodifluoromethane	ug/L	<0.50	0.50	04/19/22 07:46	
Ethylbenzene	ug/L	<0.50	0.50	04/19/22 07:46	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: POC/1.4-DIOX 4/8
Pace Project No.: 70210290

METHOD BLANK: 1277407 Matrix: Water
Associated Lab Samples: 70210290001, 70210290002, 70210290003, 70210290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	04/19/22 07:46	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	04/19/22 07:46	
m&p-Xylene	ug/L	<0.50	0.50	04/19/22 07:46	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	04/19/22 07:46	
Methylene Chloride	ug/L	<0.50	0.50	04/19/22 07:46	
n-Butylbenzene	ug/L	<0.50	0.50	04/19/22 07:46	
n-Propylbenzene	ug/L	<0.50	0.50	04/19/22 07:46	
o-Xylene	ug/L	<0.50	0.50	04/19/22 07:46	
p-Isopropyltoluene	ug/L	<0.50	0.50	04/19/22 07:46	
sec-Butylbenzene	ug/L	<0.50	0.50	04/19/22 07:46	
Styrene	ug/L	<0.50	0.50	04/19/22 07:46	
tert-Butylbenzene	ug/L	<0.50	0.50	04/19/22 07:46	
Tetrachloroethene	ug/L	<0.50	0.50	04/19/22 07:46	
Toluene	ug/L	<0.50	0.50	04/19/22 07:46	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	04/19/22 07:46	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	04/19/22 07:46	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	04/19/22 07:46	
Trichloroethene	ug/L	<0.50	0.50	04/19/22 07:46	
Trichlorofluoromethane	ug/L	<0.50	0.50	04/19/22 07:46	
Vinyl chloride	ug/L	<0.50	0.50	04/19/22 07:46	
1,2-Dichlorobenzene-d4 (S)	%	85	70-130	04/19/22 07:46	
4-Bromofluorobenzene (S)	%	86	70-130	04/19/22 07:46	

LABORATORY CONTROL SAMPLE: 1277408

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.0	90	70-130	
1,1,1-Trichloroethane	ug/L	10	10.1	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	10.1	101	70-130	
1,1,2-Trichloroethane	ug/L	10	10.6	106	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	15.0	150	70-130	L1,N3
1,1-Dichloroethane	ug/L	10	10.1	101	70-130	
1,1-Dichloroethene	ug/L	10	10.4	104	70-130	
1,1-Dichloropropene	ug/L	10	10.5	105	70-130	
1,2,3-Trichlorobenzene	ug/L	10	12.4	124	70-130	
1,2,3-Trichloropropane	ug/L	10	10.1	101	70-130	
1,2,4-Trichlorobenzene	ug/L	10	11.5	115	70-130	
1,2,4-Trimethylbenzene	ug/L	10	10.6	106	70-130	
1,2-Dichlorobenzene	ug/L	10	10.4	104	70-130	
1,2-Dichloroethane	ug/L	10	10.5	105	70-130	
1,2-Dichloropropane	ug/L	10	10.2	102	70-130	
1,3,5-Trimethylbenzene	ug/L	10	10.2	102	70-130	
1,3-Dichlorobenzene	ug/L	10	10.9	109	70-130	
1,3-Dichloropropane	ug/L	10	10.5	105	70-130	

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QUALITY CONTROL DATA

Project: POC/1.4-DIOX 4/8
Pace Project No.: 70210290

LABORATORY CONTROL SAMPLE: 1277408

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	11.0	110	70-130	
2,2-Dichloropropane	ug/L	10	9.8	98	70-130	
2-Chlorotoluene	ug/L	10	10.2	102	70-130	
4-Chlorotoluene	ug/L	10	10.6	106	70-130	
Benzene	ug/L	10	10.4	104	70-130	
Bromobenzene	ug/L	10	10.8	108	70-130	
Bromochloromethane	ug/L	10	9.9	99	70-130	
Bromodichloromethane	ug/L	10	9.5	95	70-130	
Bromoform	ug/L	10	9.5	95	70-130	
Bromomethane	ug/L	10	7.8	78	70-130 v3	
Carbon tetrachloride	ug/L	10	8.9	89	70-130	
Chlorobenzene	ug/L	10	10.7	107	70-130	
Chlorodifluoromethane	ug/L	10	9.9	99	70-130 N3	
Chloroethane	ug/L	10	8.9	89	70-130	
Chloroform	ug/L	10	10.1	101	70-130	
Chloromethane	ug/L	10	10.8	108	70-130 IH	
cis-1,2-Dichloroethene	ug/L	10	10.1	101	70-130	
cis-1,3-Dichloropropene	ug/L	10	10.2	102	70-130	
Dibromochloromethane	ug/L	10	8.9	89	70-130	
Dibromomethane	ug/L	10	9.9	99	70-130	
Dichlorodifluoromethane	ug/L	10	9.8	98	70-130	
Ethylbenzene	ug/L	10	10.7	107	70-130	
Hexachloro-1,3-butadiene	ug/L	10	14.4	144	70-130 L1,v1	
Isopropylbenzene (Cumene)	ug/L	10	10.3	103	70-130	
m&p-Xylene	ug/L	20	20.1	101	70-130	
Methyl-tert-butyl ether	ug/L	10	9.5	95	70-130	
Methylene Chloride	ug/L	10	11.1	111	70-130	
n-Butylbenzene	ug/L	10	11.9	119	70-130	
n-Propylbenzene	ug/L	10	10.7	107	70-130	
o-Xylene	ug/L	10	10.5	105	70-130	
p-Isopropyltoluene	ug/L	10	10.3	103	70-130	
sec-Butylbenzene	ug/L	10	10.4	104	70-130	
Styrene	ug/L	10	10.8	108	70-130	
tert-Butylbenzene	ug/L	10	10.1	101	70-130	
Tetrachloroethene	ug/L	10	10.7	107	70-130	
Toluene	ug/L	10	10.2	102	70-130	
Total Trihalomethanes (Calc.)	ug/L		38.0			
trans-1,2-Dichloroethene	ug/L	10	10.7	107	70-130	
trans-1,3-Dichloropropene	ug/L	10	10.1	101	70-130	
Trichloroethene	ug/L	10	10.4	104	70-130	
Trichlorofluoromethane	ug/L	10	9.4	94	70-130	
Vinyl chloride	ug/L	10	9.8	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	

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QUALITY CONTROL DATA

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

SAMPLE DUPLICATE: 1277802

Parameter	Units	70210114001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,1-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	<0.50		20	N3
1,1-Dichloroethane	ug/L	<0.50	<0.50		20	
1,1-Dichloroethene	ug/L	<0.50	<0.50		20	
1,1-Dichloropropene	ug/L	<0.50	<0.50		20	
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,3-Trichloropropane	ug/L	<0.50	<0.50		20	
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,4-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,2-Dichloroethane	ug/L	<0.50	<0.50		20	
1,2-Dichloropropane	ug/L	2.2	1.9	14	20	
1,3,5-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,3-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,3-Dichloropropane	ug/L	<0.50	<0.50		20	
1,4-Dichlorobenzene	ug/L	<0.50	<0.50		20	
2,2-Dichloropropane	ug/L	<0.50	<0.50		20	
2-Chlorotoluene	ug/L	<0.50	<0.50		20	
4-Chlorotoluene	ug/L	<0.50	<0.50		20	
Benzene	ug/L	<0.50	<0.50		20	
Bromobenzene	ug/L	<0.50	<0.50		20	
Bromochloromethane	ug/L	<0.50	<0.50		20	
Bromodichloromethane	ug/L	<0.50	<0.50		20	
Bromoform	ug/L	<0.50	<0.50		20	
Bromomethane	ug/L	<0.50	<0.50		20	v3
Carbon tetrachloride	ug/L	<0.50	<0.50		20	
Chlorobenzene	ug/L	<0.50	<0.50		20	
Chlorodifluoromethane	ug/L	<0.50	<0.50		20	N3
Chloroethane	ug/L	<0.50	<0.50		20	
Chloroform	ug/L	<0.50	<0.50		20	
Chloromethane	ug/L	<0.50	<0.50		20	
cis-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
cis-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Dibromochloromethane	ug/L	<0.50	<0.50		20	
Dibromomethane	ug/L	<0.50	<0.50		20	
Dichlorodifluoromethane	ug/L	<0.50	<0.50		20	
Ethylbenzene	ug/L	<0.50	<0.50		20	
Hexachloro-1,3-butadiene	ug/L	<0.50	<0.50		20	
Isopropylbenzene (Cumene)	ug/L	<0.50	<0.50		20	
m&p-Xylene	ug/L	<0.50	<0.50		20	
Methyl-tert-butyl ether	ug/L	<0.50	<0.50		20	
Methylene Chloride	ug/L	<0.50	<0.50		20	
n-Butylbenzene	ug/L	<0.50	<0.50		20	
n-Propylbenzene	ug/L	<0.50	<0.50		20	

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QUALITY CONTROL DATA

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

SAMPLE DUPLICATE: 1277802

Parameter	Units	70210114001 Result	Dup Result	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	<0.50	<0.50		20	
p-Isopropyltoluene	ug/L	<0.50	<0.50		20	
sec-Butylbenzene	ug/L	<0.50	<0.50		20	
Styrene	ug/L	<0.50	<0.50		20	
tert-Butylbenzene	ug/L	<0.50	<0.50		20	
Tetrachloroethene	ug/L	<0.50	<0.50		20	
Toluene	ug/L	<0.50	<0.50		20	
Total Trihalomethanes (Calc.)	ug/L	<0.50	<0.50		20	
trans-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
trans-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Trichloroethene	ug/L	<0.50	<0.50		20	
Trichlorofluoromethane	ug/L	1.0	1.0	0	20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	93	87		20	
4-Bromofluorobenzene (S)	%	91	86		20	

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QUALITY CONTROL DATA

Project: POC/1,4-DIOX 4/8

Pace Project No.: 70210290

QC Batch: 251829	Analysis Method: EPA 522
QC Batch Method: EPA 522	Analysis Description: 522 MSS 1,4 Dioxane
	Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70210290001, 70210290003, 70210290004

METHOD BLANK: 1272570 Matrix: Drinking Water

Associated Lab Samples: 70210290001, 70210290003, 70210290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	04/12/22 16:49	
1,4-Dioxane-d8 (S)	%	99	70-130	04/12/22 16:49	

LABORATORY CONTROL SAMPLE: 1272571

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.02	0.024	121	70-130	
1,4-Dioxane-d8 (S)	%			103	70-130	

MATRIX SPIKE SAMPLE: 1272586

Parameter	Units	70209995005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.02	0.021	103	70-130	
1,4-Dioxane-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 1272587

Parameter	Units	70209995004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.14	0.15	2	30	
1,4-Dioxane-d8 (S)	%	103	103		30	

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QUALIFIERS

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- | | |
|----|--|
| IH | This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value. |
| L1 | Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high. |
| N3 | Accreditation is not offered by the relevant laboratory accrediting body for this parameter. |
| v1 | The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias. |
| v3 | The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias. |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: POC/1.4-DIOX 4/8

Pace Project No.: 70210290

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70210290001	GAC-3S/4S (SEAMAN NECK GAC EFF	EPA 522	251829	EPA 522	251950
70210290003	WELL 3A N-14347 (INFLUENT)	EPA 522	251829	EPA 522	251950
70210290004	WELL 4 N-09338 (INFLUENT)	EPA 522	251829	EPA 522	251950
70210290001	GAC-3S/4S (SEAMAN NECK GAC EFF	EPA 524.2	252790		
70210290002	GAC-3S/4S (SEAMAN NECK GAC E-D	EPA 524.2	252790		
70210290003	WELL 3A N-14347 (INFLUENT)	EPA 524.2	252790		
70210290004	WELL 4 N-09338 (INFLUENT)	EPA 524.2	252790		

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CHAIN-OF-CUSTODY / Analytical Request D

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

WO#: 70210290



70210290

Section A

Required Client Information:

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

Section B

Required Project Information:

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

Section C

Invoice Information:

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

Page: 1 Of 1

Regulatory Agency

State / Location

NY

MATRIX: CODE
 Drinking Water: DW
 Water: WT
 Waste Water: WWT
 Product: P
 Soil/Sediment: SLD
 Oil: OLC
 Wipes: WPC
 Air: ARC
 Other: OTC
 Tissue: TS

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

MATRIX CODE (see valid codes to left)
 SAMPLE TYPE (S-GRAB C-COMP)

COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
START DATE	START TIME	END DATE	END TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)		
1	GAC-3S/4S (Seaman Neck GAC Effluent)	DW	G	4/8/22	7:00				4				X		X								
2	GAC-3S/4S (Seaman Neck GAC Effluent)-D	DW	G	4/8/22	7:20				2				X										
3	Well 3A N-14347 (Influent)	DW	G	4/8/22	7:45				4				X		X								
4	Well 4 N-09338 (Influent)	DW	G	4/8/22	7:35				4				X		X								
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

Randy Hoffmaster
4/8/22

Sara R. Vinas
4/8/22 1331

LI W N Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

Randy Hoffmaster

SIGNATURE of SAMPLER:

Randy Hoffmaster

DATE Signed:

4/8/2022

TEMP in C

Received on

by

(Y/N)

Custody

Sealed

Cooler

(Y/N)

Samples

Intact

(Y/N)

WO#: 70210290

PM: KMM

Due Date: 04/19/22

CLIENT: KGS

Client: KGS Profile #: 5456

Use Point Number Spreadsheet

Add SCLOGFD to first sample for Field Charge.

Work ID: 5456 Notes: _____

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WG7U	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC			
1			2																																																			
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10																																																						
11																																																						
12																																																						

Container Codes

Glass				Plastic				Misc.							
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic	SP5T	120mL Coliform Na Thio	VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	R	Terracore Kit
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar	VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic	WG7U	4oz Unpreserved Jar
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar	DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag	DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	BP2S	500mL H2SO4 plastic	DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BP3C	NaOH 250mL bottle	DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3T	250mL Trizma	GN	General
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	WP	Wipe	CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma		
WG9O	8oz clear soil jar	AG1A	(NH4Cl)	BP35	250mL Ammonium Acetate										
WG4O	4oz clear soil jar			BP3R	250mL NH4SO4-NH4OH										
				BP1Z	1L NaOH, Zn Acetate										
				BP1N	1L HNO3 plastic										
				BP1B	Na Thiosulfate Amber Bottle										

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

* Can also be a BP4N

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

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

Additional Comments



Sample Condition Upon Receipt

WO#: 70210290

Client Name: KGS

PM: **KMM** Due Date: **04/19/22**
CLIENT: KGS

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

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

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091 Correction Factor: + 0.1

Cooler Temperature(°C): 1.1 Cooler Temperature Corrected(°C): 1.2

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: MN 4/19/22

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

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

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

				COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for IZ)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		12.
-Includes date/time/ID, Matrix: <u>SL WT OIL</u>				
All containers needing preservation have been checked?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>HC160347</u>				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot # _____				
Residual chlorine strips Lot # _____				
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	15. Positive for Sulfide? Y N
Lead Acetate Strips Lot # _____				
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____				

Client Notification/ Resolution: _____

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____