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

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 Mack

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

Enclosures

cc: Ericka Seiler, KOMAN Government Services, LLC

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CERTIFICATIONS

Project: 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	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	0.50		1		04/19/22 11:53	79-34-5	

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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	

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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	

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(631)694-3040

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	

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(631)694-3040

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	

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

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QUALITY CONTROL DATA

Project: 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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REPORT OF LABORATORY ANALYSIS

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

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

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

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

QUALITY CONTROL DATA

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

QC Batch: 251829
QC Batch Method: EPA 522
Analysis 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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(631)694-3040

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.

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

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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Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request D

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

WO# : 70210290

70210290

Page : 1 Of 1

Section A
Required Client Information:

Company:	KOMAN Government Solutions, LLC
Address:	160 Gordon Dr., Suite 110
	Exton, PA
Email:	RGregory@komangs.com
Phone:	(610) 400-0636 Fax:
Requested Due Date:	

Section B
Required Project Information:

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

Section C
Invoice Information:

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

Regulatory Agency

State / Location: NY

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	POC (VOCs by 524.2)	1,4-dioxane (522)	Residual Chlorine (Y/N)
1	GAC-3S/4S (Seaman Neck GAC Effluent)	DW	G			4/8/22	7:00		4				X		X				X	X	
2	GAC-3S/4S (Seaman Neck GAC Effluent)-D	DW	G			4/8/22	7:20		2				X						X		
3	Well 3A N-14347 (Influent)	DW	G			4/8/22	7:45		4				X		X				X	X	
4	Well 4 N-09338 (Influent)	DW	G			4/8/22	7:35		4				X		X				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 Rivinius	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 Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

COC PAGE ___ of ___

Sample Contalner Count

WO# : 70210290

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

CLIENT: KGS

Client: KGS Profile # 5456

Work ID: ~~5456~~ Notes

☐ Use Point Number Spreadsheet

☐ Add SCLOGFD to first sample for Field Charge

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	IR	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC
1			2																	2																																		
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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	WGFU	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
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma	WP	Wipe
		AG1A	(NH4Cl)	BP35	250mL Ammonium Acetate		
WG9O	8oz clear soil jar			BP3R	250mL NH4SO4-NH4OH		
WG4O	4oz clear soil jar			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

Pace Analytical®

Sample Condition Upon Receipt

WO#: 70210290

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

CLIENT: KGS

Client Name: KGS Pro

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

Tracking #:

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

Temperature Blank Present: ☐ Yes ☐ No

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

Type of Ice: Wet Blue None

Thermometer Used: TH091 Correction Factor: + 0.1

☐ Samples on ice, cooling process has begun

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

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: MN 4/8/22

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

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

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

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☑ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for I	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☑ Yes	☐ No	☐ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/ Matrix: SL WT OIL				
All containers needing preservation have been checked?	☑ Yes	☐ No	☐ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # AC160347				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☑ Yes	☐ No	☐ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes	☐ No	☐ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☐ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☐ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if applicable):				

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

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