

July 18, 2022

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

RE: Project: 1,4 DIOX/POC 7/6
Pace Project No.: 70221011

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on July 06, 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: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

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: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70221011001	GAC-3S/4S (SEAMAN NECK GAC EFF	Drinking Water	07/06/22 07:30	07/06/22 09:45
70221011002	GAC-3S/4S (SEAMAN NECK GAC -DU	Drinking Water	07/06/22 07:45	07/06/22 09:45
70221011003	WELL 3A N-14347 (INFLUENT)	Drinking Water	07/06/22 08:00	07/06/22 09:45
70221011004	WELL 4 N-09338 (INFLUENT)	Drinking Water	07/06/22 08:15	07/06/22 09:45

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SAMPLE ANALYTE COUNT

Project: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70221011001	GAC-3S/4S (SEAMAN NECK GAC EFF)	EPA 522	AI1	2
		EPA 524.2	KGG	62
70221011002	GAC-3S/4S (SEAMAN NECK GAC -DU)	EPA 524.2	KGG	62
70221011003	WELL 3A N-14347 (INFLUENT)	EPA 522	AI1	2
		EPA 524.2	KGG	62
70221011004	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: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF) **Lab ID:** 70221011001 Collected: 07/06/22 07:30 Received: 07/06/22 09:45 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	07/15/22 11:47	07/15/22 19:28	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	92	%	70-130		1	07/15/22 11:47	07/15/22 19:28		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		07/14/22 19:13	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		07/14/22 19:13	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		07/14/22 19:13	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		07/14/22 19:13	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		07/14/22 19:13	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		07/14/22 19:13	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		07/14/22 19:13	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		07/14/22 19:13	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		07/14/22 19:13	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5	1	07/14/22 19:13	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100	1	07/14/22 19:13	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		07/14/22 19:13	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		07/14/22 19:13	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		07/14/22 19:13	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		07/14/22 19:13	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		07/14/22 19:13	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		07/14/22 19:13	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		07/14/22 19:13	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		07/14/22 19:13	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		07/14/22 19:13	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		07/14/22 19:13	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		07/14/22 19:13	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		07/14/22 19:13	75-71-8	L2
1,1-Dichloroethane	<0.50	ug/L	0.50		1		07/14/22 19:13	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		07/14/22 19:13	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		07/14/22 19:13	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		07/14/22 19:13	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		07/14/22 19:13	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		07/14/22 19:13	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		07/14/22 19:13	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		07/14/22 19:13	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		07/14/22 19:13	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/14/22 19:13	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/14/22 19:13	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		07/14/22 19:13	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		07/14/22 19:13	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		07/14/22 19:13	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		07/14/22 19:13	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF) **Lab ID:** 70221011001 Collected: 07/06/22 07:30 Received: 07/06/22 09:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50	5	1		07/14/22 19:13	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		07/14/22 19:13	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		07/14/22 19:13	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		07/14/22 19:13	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/14/22 19:13	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/14/22 19:13	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		07/14/22 19:13	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		07/14/22 19:13	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		07/14/22 19:13		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		07/14/22 19:13	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		07/14/22 19:13	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		07/14/22 19:13	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		07/14/22 19:13	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		07/14/22 19:13	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		07/14/22 19:13	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		07/14/22 19:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		07/14/22 19:13	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/22 19:13	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/22 19:13	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		07/14/22 19:13	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		07/14/22 19:13	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		07/14/22 19:13	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	93	%	70-130		1		07/14/22 19:13	2199-69-1	
4-Bromofluorobenzene (S)	90	%	70-130		1		07/14/22 19:13	460-00-4	

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ANALYTICAL RESULTS

Project: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

Sample: GAC-3S/4S (SEAMAN) **Lab ID:** 70221011002 Collected: 07/06/22 07:45 Received: 07/06/22 09:45 Matrix: Drinking Water
NECK GAC -DU

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5	1	07/14/22 19:39	71-43-2	
Bromobenzene	<0.50	ug/L	0.50			1	07/14/22 19:39	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50			1	07/14/22 19:39	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80		1	07/14/22 19:39	75-27-4	
Bromoform	<0.50	ug/L	0.50	80		1	07/14/22 19:39	75-25-2	
Bromomethane	<0.50	ug/L	0.50			1	07/14/22 19:39	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50			1	07/14/22 19:39	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50			1	07/14/22 19:39	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50			1	07/14/22 19:39	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5		1	07/14/22 19:39	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100		1	07/14/22 19:39	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50			1	07/14/22 19:39	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50			1	07/14/22 19:39	75-00-3	
Chloroform	<0.50	ug/L	0.50	80		1	07/14/22 19:39	67-66-3	
Chloromethane	<0.50	ug/L	0.50			1	07/14/22 19:39	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50			1	07/14/22 19:39	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50			1	07/14/22 19:39	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80		1	07/14/22 19:39	124-48-1	
Dibromomethane	<0.50	ug/L	0.50			1	07/14/22 19:39	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600		1	07/14/22 19:39	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50			1	07/14/22 19:39	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75		1	07/14/22 19:39	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50			1	07/14/22 19:39	75-71-8	L2
1,1-Dichloroethane	<0.50	ug/L	0.50			1	07/14/22 19:39	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5		1	07/14/22 19:39	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7		1	07/14/22 19:39	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70		1	07/14/22 19:39	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100		1	07/14/22 19:39	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5		1	07/14/22 19:39	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50			1	07/14/22 19:39	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50			1	07/14/22 19:39	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50			1	07/14/22 19:39	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50			1	07/14/22 19:39	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50			1	07/14/22 19:39	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700		1	07/14/22 19:39	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50			1	07/14/22 19:39	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50			1	07/14/22 19:39	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50			1	07/14/22 19:39	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50	5		1	07/14/22 19:39	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50			1	07/14/22 19:39	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50			1	07/14/22 19:39	103-65-1	
Styrene	<0.50	ug/L	0.50	100		1	07/14/22 19:39	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50			1	07/14/22 19:39	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50			1	07/14/22 19:39	79-34-5	

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ANALYTICAL RESULTS

Project: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

Sample: GAC-3S/4S (SEAMAN) **Lab ID:** 70221011002 Collected: 07/06/22 07:45 Received: 07/06/22 09:45 Matrix: Drinking Water
NECK GAC -DU

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Tetrachloroethene	<0.50	ug/L	0.50	5	1		07/14/22 19:39	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		07/14/22 19:39	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		07/14/22 19:39		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		07/14/22 19:39	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		07/14/22 19:39	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		07/14/22 19:39	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		07/14/22 19:39	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		07/14/22 19:39	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		07/14/22 19:39	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		07/14/22 19:39	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		07/14/22 19:39	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/22 19:39	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/22 19:39	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		07/14/22 19:39	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		07/14/22 19:39	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		07/14/22 19:39	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	94	%	70-130		1		07/14/22 19:39	2199-69-1	
4-Bromofluorobenzene (S)	87	%	70-130		1		07/14/22 19:39	460-00-4	

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ANALYTICAL RESULTS

Project: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

Sample: WELL 3A N-14347 (INFLUENT) **Lab ID: 70221011003** Collected: 07/06/22 08:00 Received: 07/06/22 09:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane (SIM)									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	2.4	ug/L	0.020		1	07/15/22 11:47	07/15/22 19:45	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	102	%	70-130		1	07/15/22 11:47	07/15/22 19:45		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		07/14/22 20:06	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		07/14/22 20:06	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		07/14/22 20:06	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		07/14/22 20:06	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		07/14/22 20:06	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		07/14/22 20:06	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		07/14/22 20:06	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		07/14/22 20:06	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		07/14/22 20:06	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5	1	07/14/22 20:06	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100	1	07/14/22 20:06	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		07/14/22 20:06	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		07/14/22 20:06	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		07/14/22 20:06	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		07/14/22 20:06	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		07/14/22 20:06	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		07/14/22 20:06	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		07/14/22 20:06	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		07/14/22 20:06	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		07/14/22 20:06	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		07/14/22 20:06	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		07/14/22 20:06	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		07/14/22 20:06	75-71-8	L2
1,1-Dichloroethane	<0.50	ug/L	0.50		1		07/14/22 20:06	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		07/14/22 20:06	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		07/14/22 20:06	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		07/14/22 20:06	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		07/14/22 20:06	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		07/14/22 20:06	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		07/14/22 20:06	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		07/14/22 20:06	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		07/14/22 20:06	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/14/22 20:06	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/14/22 20:06	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		07/14/22 20:06	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		07/14/22 20:06	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		07/14/22 20:06	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		07/14/22 20:06	99-87-6	

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ANALYTICAL RESULTS

Project: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

Sample: WELL 3A N-14347 (INFLUENT) **Lab ID: 70221011003** Collected: 07/06/22 08:00 Received: 07/06/22 09:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50	5	1		07/14/22 20:06	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		07/14/22 20:06	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		07/14/22 20:06	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		07/14/22 20:06	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/14/22 20:06	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/14/22 20:06	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		07/14/22 20:06	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		07/14/22 20:06	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		07/14/22 20:06		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		07/14/22 20:06	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		07/14/22 20:06	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		07/14/22 20:06	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		07/14/22 20:06	79-00-5	
Trichloroethene	12.9	ug/L	0.50	5	1		07/14/22 20:06	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		07/14/22 20:06	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		07/14/22 20:06	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		07/14/22 20:06	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/22 20:06	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/22 20:06	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		07/14/22 20:06	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		07/14/22 20:06	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		07/14/22 20:06	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	93	%	70-130		1		07/14/22 20:06	2199-69-1	
4-Bromofluorobenzene (S)	97	%	70-130		1		07/14/22 20:06	460-00-4	

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ANALYTICAL RESULTS

Project: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70221011004** Collected: 07/06/22 08:15 Received: 07/06/22 09:45 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	07/15/22 11:47	07/15/22 20:02	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	88	%	70-130		1	07/15/22 11:47	07/15/22 20:02		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		07/14/22 20:33	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		07/14/22 20:33	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		07/14/22 20:33	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		07/14/22 20:33	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		07/14/22 20:33	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		07/14/22 20:33	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		07/14/22 20:33	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		07/14/22 20:33	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		07/14/22 20:33	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5	1	07/14/22 20:33	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100	1	07/14/22 20:33	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		07/14/22 20:33	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		07/14/22 20:33	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		07/14/22 20:33	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		07/14/22 20:33	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		07/14/22 20:33	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		07/14/22 20:33	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		07/14/22 20:33	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		07/14/22 20:33	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		07/14/22 20:33	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		07/14/22 20:33	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		07/14/22 20:33	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		07/14/22 20:33	75-71-8	L2
1,1-Dichloroethane	<0.50	ug/L	0.50		1		07/14/22 20:33	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		07/14/22 20:33	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		07/14/22 20:33	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		07/14/22 20:33	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		07/14/22 20:33	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		07/14/22 20:33	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		07/14/22 20:33	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		07/14/22 20:33	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		07/14/22 20:33	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/14/22 20:33	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/14/22 20:33	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		07/14/22 20:33	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		07/14/22 20:33	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		07/14/22 20:33	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		07/14/22 20:33	99-87-6	

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ANALYTICAL RESULTS

Project: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70221011004** Collected: 07/06/22 08:15 Received: 07/06/22 09:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50	5	1		07/14/22 20:33	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		07/14/22 20:33	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		07/14/22 20:33	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		07/14/22 20:33	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/14/22 20:33	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/14/22 20:33	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		07/14/22 20:33	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		07/14/22 20:33	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		07/14/22 20:33		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		07/14/22 20:33	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		07/14/22 20:33	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		07/14/22 20:33	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		07/14/22 20:33	79-00-5	
Trichloroethene	2.2	ug/L	0.50	5	1		07/14/22 20:33	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		07/14/22 20:33	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		07/14/22 20:33	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		07/14/22 20:33	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/22 20:33	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/22 20:33	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		07/14/22 20:33	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		07/14/22 20:33	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		07/14/22 20:33	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	93	%	70-130		1		07/14/22 20:33	2199-69-1	
4-Bromofluorobenzene (S)	94	%	70-130		1		07/14/22 20:33	460-00-4	

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QUALITY CONTROL DATA

Project: 1,4 DIOX/POC 7/6
Pace Project No.: 70221011

QC Batch: 264951 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70221011001, 70221011002, 70221011003, 70221011004

METHOD BLANK: 1338912 Matrix: Water
Associated Lab Samples: 70221011001, 70221011002, 70221011003, 70221011004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	07/14/22 16:27	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	07/14/22 16:27	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	07/14/22 16:27	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	07/14/22 16:27	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	07/14/22 16:27	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	07/14/22 16:27	
1,1-Dichloroethene	ug/L	<0.50	0.50	07/14/22 16:27	
1,1-Dichloropropene	ug/L	<0.50	0.50	07/14/22 16:27	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	07/14/22 16:27	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	07/14/22 16:27	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	07/14/22 16:27	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	07/14/22 16:27	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	07/14/22 16:27	
1,2-Dichloroethane	ug/L	<0.50	0.50	07/14/22 16:27	
1,2-Dichloropropane	ug/L	<0.50	0.50	07/14/22 16:27	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	07/14/22 16:27	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	07/14/22 16:27	
1,3-Dichloropropane	ug/L	<0.50	0.50	07/14/22 16:27	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	07/14/22 16:27	
2,2-Dichloropropane	ug/L	<0.50	0.50	07/14/22 16:27	
2-Chlorotoluene	ug/L	<0.50	0.50	07/14/22 16:27	
4-Chlorotoluene	ug/L	<0.50	0.50	07/14/22 16:27	
Benzene	ug/L	<0.50	0.50	07/14/22 16:27	
Bromobenzene	ug/L	<0.50	0.50	07/14/22 16:27	
Bromochloromethane	ug/L	<0.50	0.50	07/14/22 16:27	
Bromodichloromethane	ug/L	<0.50	0.50	07/14/22 16:27	
Bromoform	ug/L	<0.50	0.50	07/14/22 16:27	
Bromomethane	ug/L	<0.50	0.50	07/14/22 16:27	
Carbon tetrachloride	ug/L	<0.50	0.50	07/14/22 16:27	
Chlorobenzene	ug/L	<0.50	0.50	07/14/22 16:27	
Chlorodifluoromethane	ug/L	<0.50	0.50	07/14/22 16:27	N3
Chloroethane	ug/L	<0.50	0.50	07/14/22 16:27	
Chloroform	ug/L	<0.50	0.50	07/14/22 16:27	
Chloromethane	ug/L	<0.50	0.50	07/14/22 16:27	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	07/14/22 16:27	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	07/14/22 16:27	
Dibromochloromethane	ug/L	<0.50	0.50	07/14/22 16:27	
Dibromomethane	ug/L	<0.50	0.50	07/14/22 16:27	
Dichlorodifluoromethane	ug/L	<0.50	0.50	07/14/22 16:27	
Ethylbenzene	ug/L	<0.50	0.50	07/14/22 16:27	

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: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

METHOD BLANK: 1338912

Matrix: Water

Associated Lab Samples: 70221011001, 70221011002, 70221011003, 70221011004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	07/14/22 16:27	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	07/14/22 16:27	
m&p-Xylene	ug/L	<0.50	0.50	07/14/22 16:27	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	07/14/22 16:27	
Methylene Chloride	ug/L	<0.50	0.50	07/14/22 16:27	
n-Butylbenzene	ug/L	<0.50	0.50	07/14/22 16:27	
n-Propylbenzene	ug/L	<0.50	0.50	07/14/22 16:27	
o-Xylene	ug/L	<0.50	0.50	07/14/22 16:27	
p-Isopropyltoluene	ug/L	<0.50	0.50	07/14/22 16:27	
sec-Butylbenzene	ug/L	<0.50	0.50	07/14/22 16:27	
Styrene	ug/L	<0.50	0.50	07/14/22 16:27	
tert-Butylbenzene	ug/L	<0.50	0.50	07/14/22 16:27	
Tetrachloroethene	ug/L	<0.50	0.50	07/14/22 16:27	
Toluene	ug/L	<0.50	0.50	07/14/22 16:27	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	07/14/22 16:27	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	07/14/22 16:27	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	07/14/22 16:27	
Trichloroethene	ug/L	<0.50	0.50	07/14/22 16:27	
Trichlorofluoromethane	ug/L	<0.50	0.50	07/14/22 16:27	
Vinyl chloride	ug/L	<0.50	0.50	07/14/22 16:27	
1,2-Dichlorobenzene-d4 (S)	%	96	70-130	07/14/22 16:27	
4-Bromofluorobenzene (S)	%	90	70-130	07/14/22 16:27	

LABORATORY CONTROL SAMPLE: 1338913

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	10.1	101	70-130	
1,1,1-Trichloroethane	ug/L	10	9.8	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	10.0	100	70-130	
1,1,2-Trichloroethane	ug/L	10	10.4	104	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	8.5	85	70-130	N3
1,1-Dichloroethane	ug/L	10	10	100	70-130	
1,1-Dichloroethene	ug/L	10	8.1	81	70-130	
1,1-Dichloropropene	ug/L	10	10.1	101	70-130	
1,2,3-Trichlorobenzene	ug/L	10	10.7	107	70-130	
1,2,3-Trichloropropane	ug/L	10	10.5	105	70-130	
1,2,4-Trichlorobenzene	ug/L	10	10.3	103	70-130	
1,2,4-Trimethylbenzene	ug/L	10	10.7	107	70-130	
1,2-Dichlorobenzene	ug/L	10	11.3	113	70-130	
1,2-Dichloroethane	ug/L	10	9.9	99	70-130	
1,2-Dichloropropane	ug/L	10	9.7	97	70-130	
1,3,5-Trimethylbenzene	ug/L	10	10.3	103	70-130	
1,3-Dichlorobenzene	ug/L	10	11.3	113	70-130	
1,3-Dichloropropane	ug/L	10	10.4	104	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

LABORATORY CONTROL SAMPLE: 1338913

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	11.5	115	70-130	
2,2-Dichloropropane	ug/L	10	9.7	97	70-130	
2-Chlorotoluene	ug/L	10	10.4	104	70-130	
4-Chlorotoluene	ug/L	10	10.7	107	70-130	
Benzene	ug/L	10	10.2	102	70-130	
Bromobenzene	ug/L	10	11.0	110	70-130	
Bromochloromethane	ug/L	10	10.7	107	70-130	
Bromodichloromethane	ug/L	10	9.1	91	70-130	
Bromoform	ug/L	10	8.5	85	70-130	
Bromomethane	ug/L	10	10.0	100	70-130	
Carbon tetrachloride	ug/L	10	9.4	94	70-130	
Chlorobenzene	ug/L	10	10.7	107	70-130	
Chlorodifluoromethane	ug/L	10	8.8	88	70-130	N3
Chloroethane	ug/L	10	9.8	98	70-130	
Chloroform	ug/L	10	10.0	100	70-130	
Chloromethane	ug/L	10	7.7	77	70-130	
cis-1,2-Dichloroethene	ug/L	10	9.5	95	70-130	
cis-1,3-Dichloropropene	ug/L	10	9.2	92	70-130	
Dibromochloromethane	ug/L	10	8.7	87	70-130	
Dibromomethane	ug/L	10	10.5	105	70-130	
Dichlorodifluoromethane	ug/L	10	5.2	52	70-130	L2
Ethylbenzene	ug/L	10	11.0	110	70-130	
Hexachloro-1,3-butadiene	ug/L	10	9.7	97	70-130	
Isopropylbenzene (Cumene)	ug/L	10	10.6	106	70-130	
m&p-Xylene	ug/L	20	21.5	107	70-130	
Methyl-tert-butyl ether	ug/L	10	7.6	76	70-130	
Methylene Chloride	ug/L	10	11.3	113	70-130	
n-Butylbenzene	ug/L	10	11.4	114	70-130	
n-Propylbenzene	ug/L	10	11.0	110	70-130	
o-Xylene	ug/L	10	10.7	107	70-130	
p-Isopropyltoluene	ug/L	10	10.7	107	70-130	
sec-Butylbenzene	ug/L	10	10.7	107	70-130	
Styrene	ug/L	10	10.6	106	70-130	
tert-Butylbenzene	ug/L	10	10.9	109	70-130	
Tetrachloroethene	ug/L	10	10.3	103	70-130	
Toluene	ug/L	10	10.4	104	70-130	
Total Trihalomethanes (Calc.)	ug/L		36.2			
trans-1,2-Dichloroethene	ug/L	10	9.8	98	70-130	
trans-1,3-Dichloropropene	ug/L	10	8.9	89	70-130	
Trichloroethene	ug/L	10	10.3	103	70-130	
Trichlorofluoromethane	ug/L	10	10.9	109	70-130	
Vinyl chloride	ug/L	10	7.9	79	70-130	
1,2-Dichlorobenzene-d4 (S)	%			108	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	

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QUALITY CONTROL DATA

Project: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

SAMPLE DUPLICATE: 1339450

Parameter	Units	70221011004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,1-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichloroethane	ug/L	<0.50	<0.50		20	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	<0.50		20	N3
1,1-Dichloroethane	ug/L	<0.50	<0.50		20	
1,1-Dichloroethene	ug/L	<0.50	<0.50		20	
1,1-Dichloropropene	ug/L	<0.50	<0.50		20	
1,2,3-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,3-Trichloropropane	ug/L	<0.50	<0.50		20	
1,2,4-Trichlorobenzene	ug/L	<0.50	<0.50		20	
1,2,4-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,2-Dichloroethane	ug/L	<0.50	<0.50		20	
1,2-Dichloropropane	ug/L	<0.50	<0.50		20	
1,3,5-Trimethylbenzene	ug/L	<0.50	<0.50		20	
1,3-Dichlorobenzene	ug/L	<0.50	<0.50		20	
1,3-Dichloropropane	ug/L	<0.50	<0.50		20	
1,4-Dichlorobenzene	ug/L	<0.50	<0.50		20	
2,2-Dichloropropane	ug/L	<0.50	<0.50		20	
2-Chlorotoluene	ug/L	<0.50	<0.50		20	
4-Chlorotoluene	ug/L	<0.50	<0.50		20	
Benzene	ug/L	<0.50	<0.50		20	
Bromobenzene	ug/L	<0.50	<0.50		20	
Bromochloromethane	ug/L	<0.50	<0.50		20	
Bromodichloromethane	ug/L	<0.50	<0.50		20	
Bromoform	ug/L	<0.50	<0.50		20	
Bromomethane	ug/L	<0.50	<0.50		20	
Carbon tetrachloride	ug/L	<0.50	<0.50		20	
Chlorobenzene	ug/L	<0.50	<0.50		20	
Chlorodifluoromethane	ug/L	<0.50	<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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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

SAMPLE DUPLICATE: 1339450

Parameter	Units	70221011004 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	2.2	2.0	12	20	
Trichlorofluoromethane	ug/L	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	93	89		20	
4-Bromofluorobenzene (S)	%	94	90		20	

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QUALITY CONTROL DATA

Project: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

QC Batch: 264744	Analysis Method: EPA 522
QC Batch Method: EPA 522	Analysis Description: 522 MSS 1,4 Dioxane
	Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70221011001, 70221011003, 70221011004

METHOD BLANK: 1337843 Matrix: Drinking Water

Associated Lab Samples: 70221011001, 70221011003, 70221011004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	07/15/22 17:29	
1,4-Dioxane-d8 (S)	%	88	70-130	07/15/22 17:29	

LABORATORY CONTROL SAMPLE: 1337844

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.02	0.022	109	70-130	
1,4-Dioxane-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 1337845

Parameter	Units	70220982001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.02	0.031	97	70-130	
1,4-Dioxane-d8 (S)	%				93	70-130	

SAMPLE DUPLICATE: 1337846

Parameter	Units	70221005001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	<0.020		30	
1,4-Dioxane-d8 (S)	%	87	98		30	

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QUALIFIERS

Project: 1,4 DIOX/POC 7/6

Pace Project No.: 70221011

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

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1,4 DIOX/POC 7/6
Pace Project No.: 70221011

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70221011001	GAC-3S/4S (SEAMAN NECK GAC EFF	EPA 522	264744	EPA 522	265177
70221011003	WELL 3A N-14347 (INFLUENT)	EPA 522	264744	EPA 522	265177
70221011004	WELL 4 N-09338 (INFLUENT)	EPA 522	264744	EPA 522	265177
70221011001	GAC-3S/4S (SEAMAN NECK GAC EFF	EPA 524.2	264951		
70221011002	GAC-3S/4S (SEAMAN NECK GAC -DU	EPA 524.2	264951		
70221011003	WELL 3A N-14347 (INFLUENT)	EPA 524.2	264951		
70221011004	WELL 4 N-09338 (INFLUENT)	EPA 524.2	264951		

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Sample Condition Upon Receipt

WO#: 70221011
PM: KMM
Due Date: 07/15/22
CLIENT: KGS

Client Name: KGS

Project

Courier: Fed Ex UPS USPS Client Commercial Pace Other
Tracking #:

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

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH148 Correction Factor: + 0.1

Cooler Temperature(C): 4.6 Cooler Temperature Corrected(C): 4.7

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: KLV 7/6/22

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.

Table with 17 rows and 3 columns. Columns: Question, Yes/No/N/A, and Comments. Rows include Chain of Custody Present, Chain of Custody Filled Out, Chain of Custody Relinquished, Sampler Name & Signature on COC, Samples Arrived within Hold Time, Short Hold Time Analysis (<72hr), Rush Turn Around Time Requested, Sufficient Volume, Correct Containers Used, Containers Intact, Filtered volume received for Dissolved tests, Sample Labels match COC, All containers needing preservation have been checked, pH paper Lot #, All containers needing preservation are found to be in compliance with method recommendation, Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water), Per Method, VOA pH is checked after analysis, Samples checked for dechlorination, KI starch test strips Lot #, Residual chlorine strips Lot #, SM 4500 CN samples checked for sulfide?, Lead Acetate Strips Lot #, Headspace in VOA Vials (>6mm), Trip Blank Present, Trip Blank Custody Seals Present, Pace Trip Blank Lot # (if applicable).

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution: