

June 09, 2023

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

RE: Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2
Pace Project No.: 70258374

Dear Robert Gregory:

Enclosed are the analytical results for sample(s) received by the laboratory on June 02, 2023. 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: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

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: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70258374001	GAC-3S/4S(SEAMAN NECK GAC EFF)	Drinking Water	06/02/23 09:40	06/02/23 11:44
70258374002	GAC-3S/4S(SEAMAN NECKGACEFF)-D	Drinking Water	06/02/23 09:45	06/02/23 11:44
70258374003	WELL 3A N-1347 (INFLUENT)	Drinking Water	06/02/23 10:05	06/02/23 11:44
70258374004	WELL 4 N-09338 (INFLUENT)	Drinking Water	06/02/23 10:05	06/02/23 11:44

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SAMPLE ANALYTE COUNT

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70258374001	GAC-3S/4S(SEAMAN NECK GAC EFF)	EPA 522	SPM	2
		EPA 524.2	KGG	62
70258374002	GAC-3S/4S(SEAMAN NECKGACEFF)-D	EPA 524.2	KGG	62
70258374003	WELL 3A N-1347 (INFLUENT)	EPA 522	SPM	2
		EPA 524.2	KGG	62
70258374004	WELL 4 N-09338 (INFLUENT)	EPA 522	SPM	2
		EPA 524.2	KGG	62

PACE-MV = Pace Analytical Services - Melville

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ANALYTICAL RESULTS

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

Sample: GAC-3S/4S(SEAMAN NECK GAC EFF) **Lab ID:** 70258374001 Collected: 06/02/23 09:40 Received: 06/02/23 11:44 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)	1.8	ug/L	0.020		1	06/06/23 11:37	06/06/23 21:36	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	99	%	70-130		1	06/06/23 11:37	06/06/23 21:36		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50	5	1		06/08/23 14:49	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		06/08/23 14:49	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		06/08/23 14:49	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		06/08/23 14:49	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		06/08/23 14:49	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		06/08/23 14:49	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		06/08/23 14:49	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		06/08/23 14:49	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		06/08/23 14:49	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		06/08/23 14:49	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		06/08/23 14:49	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		06/08/23 14:49	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		06/08/23 14:49	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		06/08/23 14:49	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		06/08/23 14:49	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		06/08/23 14:49	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		06/08/23 14:49	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		06/08/23 14:49	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		06/08/23 14:49	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		06/08/23 14:49	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		06/08/23 14:49	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		06/08/23 14:49	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		06/08/23 14:49	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		06/08/23 14:49	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		06/08/23 14:49	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		06/08/23 14:49	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		06/08/23 14:49	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		06/08/23 14:49	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		06/08/23 14:49	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		06/08/23 14:49	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		06/08/23 14:49	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		06/08/23 14:49	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		06/08/23 14:49	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		06/08/23 14:49	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		06/08/23 14:49	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		06/08/23 14:49	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		06/08/23 14:49	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		06/08/23 14:49	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

Sample: GAC-3S/4S(SEAMAN NECK GAC EFF) **Lab ID:** 70258374001 Collected: 06/02/23 09:40 Received: 06/02/23 11:44 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		06/08/23 14:49	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		06/08/23 14:49	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		06/08/23 14:49	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		06/08/23 14:49	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		06/08/23 14:49	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		06/08/23 14:49	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		06/08/23 14:49	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		06/08/23 14:49	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		06/08/23 14:49		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		06/08/23 14:49	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		06/08/23 14:49	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		06/08/23 14:49	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		06/08/23 14:49	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		06/08/23 14:49	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		06/08/23 14:49	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		06/08/23 14:49	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		06/08/23 14:49	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		06/08/23 14:49	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		06/08/23 14:49	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		06/08/23 14:49	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		06/08/23 14:49	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		06/08/23 14:49	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	85	%	70-130		1		06/08/23 14:49	2199-69-1	
4-Bromofluorobenzene (S)	80	%	70-130		1		06/08/23 14:49	460-00-4	

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ANALYTICAL RESULTS

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

Sample: GAC-3S/4S(SEAMAN NECKGACEFF)-D **Lab ID:** 70258374002 Collected: 06/02/23 09:45 Received: 06/02/23 11:44 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		5		06/08/23 15:11	71-43-2	
Bromobenzene	<0.50	ug/L	0.50				06/08/23 15:11	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50				06/08/23 15:11	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		06/08/23 15:11	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		06/08/23 15:11	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		06/08/23 15:11	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:11	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:11	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:11	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		06/08/23 15:11	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		06/08/23 15:11	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		06/08/23 15:11	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		06/08/23 15:11	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		06/08/23 15:11	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		06/08/23 15:11	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		06/08/23 15:11	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		06/08/23 15:11	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		06/08/23 15:11	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		06/08/23 15:11	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		06/08/23 15:11	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		06/08/23 15:11	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		06/08/23 15:11	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		06/08/23 15:11	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		06/08/23 15:11	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		06/08/23 15:11	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		06/08/23 15:11	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		06/08/23 15:11	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		06/08/23 15:11	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		06/08/23 15:11	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		06/08/23 15:11	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		06/08/23 15:11	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		06/08/23 15:11	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		06/08/23 15:11	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		06/08/23 15:11	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		06/08/23 15:11	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		06/08/23 15:11	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		06/08/23 15:11	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		06/08/23 15:11	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50	5	1		06/08/23 15:11	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		06/08/23 15:11	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:11	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		06/08/23 15:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		06/08/23 15:11	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		06/08/23 15:11	79-34-5	

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ANALYTICAL RESULTS

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

Sample: GAC-3S/4S(SEAMAN NECKGACEFF)-D **Lab ID:** 70258374002 Collected: 06/02/23 09:45 Received: 06/02/23 11:44 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	5	1		06/08/23 15:11	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		06/08/23 15:11	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		06/08/23 15:11		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		06/08/23 15:11	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		06/08/23 15:11	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		06/08/23 15:11	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		06/08/23 15:11	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		06/08/23 15:11	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		06/08/23 15:11	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		06/08/23 15:11	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		06/08/23 15:11	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:11	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:11	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		06/08/23 15:11	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		06/08/23 15:11	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		06/08/23 15:11	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	86	%	70-130		1		06/08/23 15:11	2199-69-1	
4-Bromofluorobenzene (S)	77	%	70-130		1		06/08/23 15:11	460-00-4	

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ANALYTICAL RESULTS

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Project No.: 70258374

Sample: WELL 3A N-1347 (INFLUENT) **Lab ID: 70258374003** Collected: 06/02/23 10:05 Received: 06/02/23 11:44 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)	2.1	ug/L	0.020		1	06/06/23 11:37	06/06/23 21:54	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	99	%	70-130		1	06/06/23 11:37	06/06/23 21:54		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50	5	1		06/08/23 15:33	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		06/08/23 15:33	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		06/08/23 15:33	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		06/08/23 15:33	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		06/08/23 15:33	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		06/08/23 15:33	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:33	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:33	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:33	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		06/08/23 15:33	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		06/08/23 15:33	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		06/08/23 15:33	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		06/08/23 15:33	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		06/08/23 15:33	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		06/08/23 15:33	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		06/08/23 15:33	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		06/08/23 15:33	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		06/08/23 15:33	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		06/08/23 15:33	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		06/08/23 15:33	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		06/08/23 15:33	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		06/08/23 15:33	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		06/08/23 15:33	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		06/08/23 15:33	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		06/08/23 15:33	107-06-2	
1,1-Dichloroethene	0.55	ug/L	0.50	7	1		06/08/23 15:33	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		06/08/23 15:33	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		06/08/23 15:33	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		06/08/23 15:33	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		06/08/23 15:33	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		06/08/23 15:33	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		06/08/23 15:33	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		06/08/23 15:33	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		06/08/23 15:33	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		06/08/23 15:33	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		06/08/23 15:33	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		06/08/23 15:33	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		06/08/23 15:33	99-87-6	

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ANALYTICAL RESULTS

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2
Pace Project No.: 70258374

Sample: WELL 3A N-1347 (INFLUENT) **Lab ID: 70258374003** Collected: 06/02/23 10:05 Received: 06/02/23 11:44 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		06/08/23 15:33	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		06/08/23 15:33	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:33	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		06/08/23 15:33	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		06/08/23 15:33	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		06/08/23 15:33	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		06/08/23 15:33	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		06/08/23 15:33	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		06/08/23 15:33		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		06/08/23 15:33	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		06/08/23 15:33	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		06/08/23 15:33	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		06/08/23 15:33	79-00-5	
Trichloroethene	21.7	ug/L	0.50	5	1		06/08/23 15:33	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		06/08/23 15:33	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		06/08/23 15:33	96-18-4	
1,1,2-Trichlorotrifluoroethane	0.92	ug/L	0.50		1		06/08/23 15:33	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:33	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:33	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		06/08/23 15:33	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		06/08/23 15:33	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		06/08/23 15:33	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	85	%	70-130		1		06/08/23 15:33	2199-69-1	
4-Bromofluorobenzene (S)	81	%	70-130		1		06/08/23 15:33	460-00-4	

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ANALYTICAL RESULTS

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70258374004** Collected: 06/02/23 10:05 Received: 06/02/23 11:44 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	06/06/23 11:37	06/06/23 22:11	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	99	%	70-130		1	06/06/23 11:37	06/06/23 22:11		
524.2 MSV									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		06/08/23 15:55	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		06/08/23 15:55	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		06/08/23 15:55	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		06/08/23 15:55	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		06/08/23 15:55	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		06/08/23 15:55	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:55	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:55	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:55	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5	1	06/08/23 15:55	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		100	1	06/08/23 15:55	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		06/08/23 15:55	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		06/08/23 15:55	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		06/08/23 15:55	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		06/08/23 15:55	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		06/08/23 15:55	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		06/08/23 15:55	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		06/08/23 15:55	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		06/08/23 15:55	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		06/08/23 15:55	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		06/08/23 15:55	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		06/08/23 15:55	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		06/08/23 15:55	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		06/08/23 15:55	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		06/08/23 15:55	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		06/08/23 15:55	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		06/08/23 15:55	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		06/08/23 15:55	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		06/08/23 15:55	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		06/08/23 15:55	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		06/08/23 15:55	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		06/08/23 15:55	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		06/08/23 15:55	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		06/08/23 15:55	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		06/08/23 15:55	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		06/08/23 15:55	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		06/08/23 15:55	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		06/08/23 15:55	99-87-6	

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ANALYTICAL RESULTS

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

Sample: WELL 4 N-09338 (INFLUENT) **Lab ID: 70258374004** Collected: 06/02/23 10:05 Received: 06/02/23 11:44 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		06/08/23 15:55	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		06/08/23 15:55	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:55	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		06/08/23 15:55	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		06/08/23 15:55	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		06/08/23 15:55	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		06/08/23 15:55	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		06/08/23 15:55	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		06/08/23 15:55		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		06/08/23 15:55	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		06/08/23 15:55	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		06/08/23 15:55	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		06/08/23 15:55	79-00-5	
Trichloroethene	2.4	ug/L	0.50	5	1		06/08/23 15:55	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		06/08/23 15:55	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		06/08/23 15:55	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		06/08/23 15:55	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:55	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		06/08/23 15:55	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		06/08/23 15:55	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		06/08/23 15:55	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		06/08/23 15:55	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	87	%	70-130		1		06/08/23 15:55	2199-69-1	
4-Bromofluorobenzene (S)	77	%	70-130		1		06/08/23 15:55	460-00-4	

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QUALITY CONTROL DATA

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2
Pace Project No.: 70258374

QC Batch: 308021 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70258374001, 70258374002, 70258374003, 70258374004

METHOD BLANK: 1561281 Matrix: Water
Associated Lab Samples: 70258374001, 70258374002, 70258374003, 70258374004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	06/08/23 08:24	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	06/08/23 08:24	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	06/08/23 08:24	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	06/08/23 08:24	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	06/08/23 08:24	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	06/08/23 08:24	
1,1-Dichloroethene	ug/L	<0.50	0.50	06/08/23 08:24	
1,1-Dichloropropene	ug/L	<0.50	0.50	06/08/23 08:24	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	06/08/23 08:24	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	06/08/23 08:24	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	06/08/23 08:24	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	06/08/23 08:24	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	06/08/23 08:24	
1,2-Dichloroethane	ug/L	<0.50	0.50	06/08/23 08:24	
1,2-Dichloropropane	ug/L	<0.50	0.50	06/08/23 08:24	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	06/08/23 08:24	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	06/08/23 08:24	
1,3-Dichloropropane	ug/L	<0.50	0.50	06/08/23 08:24	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	06/08/23 08:24	
2,2-Dichloropropane	ug/L	<0.50	0.50	06/08/23 08:24	
2-Chlorotoluene	ug/L	<0.50	0.50	06/08/23 08:24	
4-Chlorotoluene	ug/L	<0.50	0.50	06/08/23 08:24	
Benzene	ug/L	<0.50	0.50	06/08/23 08:24	
Bromobenzene	ug/L	<0.50	0.50	06/08/23 08:24	
Bromochloromethane	ug/L	<0.50	0.50	06/08/23 08:24	
Bromodichloromethane	ug/L	<0.50	0.50	06/08/23 08:24	
Bromoform	ug/L	<0.50	0.50	06/08/23 08:24	
Bromomethane	ug/L	<0.50	0.50	06/08/23 08:24	
Carbon tetrachloride	ug/L	<0.50	0.50	06/08/23 08:24	
Chlorobenzene	ug/L	<0.50	0.50	06/08/23 08:24	
Chlorodifluoromethane	ug/L	<0.50	0.50	06/08/23 08:24	N3
Chloroethane	ug/L	<0.50	0.50	06/08/23 08:24	
Chloroform	ug/L	<0.50	0.50	06/08/23 08:24	
Chloromethane	ug/L	<0.50	0.50	06/08/23 08:24	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	06/08/23 08:24	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	06/08/23 08:24	
Dibromochloromethane	ug/L	<0.50	0.50	06/08/23 08:24	
Dibromomethane	ug/L	<0.50	0.50	06/08/23 08:24	
Dichlorodifluoromethane	ug/L	<0.50	0.50	06/08/23 08:24	
Ethylbenzene	ug/L	<0.50	0.50	06/08/23 08:24	

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: NYAW-MERRICKOPS-POC/1,4DIOX6/2
Pace Project No.: 70258374

METHOD BLANK: 1561281 Matrix: Water
Associated Lab Samples: 70258374001, 70258374002, 70258374003, 70258374004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	06/08/23 08:24	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	06/08/23 08:24	
m&p-Xylene	ug/L	<0.50	0.50	06/08/23 08:24	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	06/08/23 08:24	
Methylene Chloride	ug/L	<0.50	0.50	06/08/23 08:24	
n-Butylbenzene	ug/L	<0.50	0.50	06/08/23 08:24	
n-Propylbenzene	ug/L	<0.50	0.50	06/08/23 08:24	
o-Xylene	ug/L	<0.50	0.50	06/08/23 08:24	
p-Isopropyltoluene	ug/L	<0.50	0.50	06/08/23 08:24	
sec-Butylbenzene	ug/L	<0.50	0.50	06/08/23 08:24	
Styrene	ug/L	<0.50	0.50	06/08/23 08:24	
tert-Butylbenzene	ug/L	<0.50	0.50	06/08/23 08:24	
Tetrachloroethene	ug/L	<0.50	0.50	06/08/23 08:24	
Toluene	ug/L	<0.50	0.50	06/08/23 08:24	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	06/08/23 08:24	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	06/08/23 08:24	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	06/08/23 08:24	
Trichloroethene	ug/L	<0.50	0.50	06/08/23 08:24	
Trichlorofluoromethane	ug/L	<0.50	0.50	06/08/23 08:24	
Vinyl chloride	ug/L	<0.50	0.50	06/08/23 08:24	
1,2-Dichlorobenzene-d4 (S)	%	84	70-130	06/08/23 08:24	
4-Bromofluorobenzene (S)	%	77	70-130	06/08/23 08:24	

LABORATORY CONTROL SAMPLE: 1561282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.8	98	70-130	
1,1,1-Trichloroethane	ug/L	10	10	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	9.9	99	70-130	
1,1,2-Trichloroethane	ug/L	10	10	100	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	10.3	103	70-130	N3
1,1-Dichloroethane	ug/L	10	9.8	98	70-130	
1,1-Dichloroethene	ug/L	10	8.9	89	70-130	
1,1-Dichloropropene	ug/L	10	9.7	97	70-130	
1,2,3-Trichlorobenzene	ug/L	10	10.6	106	70-130	
1,2,3-Trichloropropane	ug/L	10	9.8	98	70-130	
1,2,4-Trichlorobenzene	ug/L	10	9.7	97	70-130	
1,2,4-Trimethylbenzene	ug/L	10	10.1	101	70-130	
1,2-Dichlorobenzene	ug/L	10	9.7	97	70-130	
1,2-Dichloroethane	ug/L	10	9.9	99	70-130	
1,2-Dichloropropane	ug/L	10	9.4	94	70-130	
1,3,5-Trimethylbenzene	ug/L	10	10	100	70-130	
1,3-Dichlorobenzene	ug/L	10	9.9	99	70-130	
1,3-Dichloropropane	ug/L	10	9.3	93	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

LABORATORY CONTROL SAMPLE: 1561282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	10.3	103	70-130	
2,2-Dichloropropane	ug/L	10	10.2	102	70-130	
2-Chlorotoluene	ug/L	10	10.3	103	70-130	
4-Chlorotoluene	ug/L	10	10.5	105	70-130	
Benzene	ug/L	10	9.5	95	70-130	
Bromobenzene	ug/L	10	10	100	70-130	
Bromochloromethane	ug/L	10	10.0	100	70-130	
Bromodichloromethane	ug/L	10	10.2	102	70-130	
Bromoform	ug/L	10	10.5	105	70-130	
Bromomethane	ug/L	10	9.1	91	70-130	
Carbon tetrachloride	ug/L	10	10	100	70-130	
Chlorobenzene	ug/L	10	9.5	95	70-130	
Chlorodifluoromethane	ug/L	10	8.7	87	70-130	N3
Chloroethane	ug/L	10	9.8	98	70-130	
Chloroform	ug/L	10	9.8	98	70-130	
Chloromethane	ug/L	10	10.3	103	70-130	
cis-1,2-Dichloroethene	ug/L	10	9.8	98	70-130	
cis-1,3-Dichloropropene	ug/L	10	9.6	96	70-130	
Dibromochloromethane	ug/L	10	9.7	97	70-130	
Dibromomethane	ug/L	10	9.5	95	70-130	
Dichlorodifluoromethane	ug/L	10	8.9	89	70-130	
Ethylbenzene	ug/L	10	9.3	93	70-130	
Hexachloro-1,3-butadiene	ug/L	10	11.8	118	70-130	
Isopropylbenzene (Cumene)	ug/L	10	9.5	95	70-130	
m&p-Xylene	ug/L	20	19.6	98	70-130	
Methyl-tert-butyl ether	ug/L	10	10	100	70-130	
Methylene Chloride	ug/L	10	9.5	95	70-130	
n-Butylbenzene	ug/L	10	10.6	106	70-130	
n-Propylbenzene	ug/L	10	9.8	98	70-130	
o-Xylene	ug/L	10	10.1	101	70-130	
p-Isopropyltoluene	ug/L	10	10	100	70-130	
sec-Butylbenzene	ug/L	10	10.4	104	70-130	
Styrene	ug/L	10	10.2	102	70-130	
tert-Butylbenzene	ug/L	10	9.9	99	70-130	
Tetrachloroethene	ug/L	10	10.4	104	70-130	
Toluene	ug/L	10	9.1	91	70-130	
Total Trihalomethanes (Calc.)	ug/L		40.1			
trans-1,2-Dichloroethene	ug/L	10	10.0	100	70-130	
trans-1,3-Dichloropropene	ug/L	10	9.7	97	70-130	
Trichloroethene	ug/L	10	9.6	96	70-130	
Trichlorofluoromethane	ug/L	10	10.2	102	70-130	
Vinyl chloride	ug/L	10	9.7	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

SAMPLE DUPLICATE: 1562296

Parameter	Units	70258383001 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: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

SAMPLE DUPLICATE: 1562296

Parameter	Units	70258383001 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	2.4	2.5	5	20	
Trichlorofluoromethane	ug/L	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	87	84		20	
4-Bromofluorobenzene (S)	%	78	81		20	

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QUALITY CONTROL DATA

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

QC Batch:	307627	Analysis Method:	EPA 522
QC Batch Method:	EPA 522	Analysis Description:	522 MSS 1,4 Dioxane
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70258374001, 70258374003, 70258374004

METHOD BLANK: 1559026 Matrix: Drinking Water

Associated Lab Samples: 70258374001, 70258374003, 70258374004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	06/06/23 16:51	
1,4-Dioxane-d8 (S)	%	94	70-130	06/06/23 16:51	

LABORATORY CONTROL SAMPLE: 1559027

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.02	<0.020	86	70-130	
1,4-Dioxane-d8 (S)	%			92	70-130	

MATRIX SPIKE SAMPLE: 1559032

Parameter	Units	70258149001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1.4	0.02	1.5	97	70-130	
1,4-Dioxane-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 1559033

Parameter	Units	70258149002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	<0.020		30	
1,4-Dioxane-d8 (S)	%	95	94		30	

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QUALIFIERS

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

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

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICKOPS-POC/1,4DIOX6/2

Pace Project No.: 70258374

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70258374001	GAC-3S/4S(SEAMAN NECK GAC EFF)	EPA 522	307627	EPA 522	307766
70258374003	WELL 3A N-1347 (INFLUENT)	EPA 522	307627	EPA 522	307766
70258374004	WELL 4 N-09338 (INFLUENT)	EPA 522	307627	EPA 522	307766
70258374001	GAC-3S/4S(SEAMAN NECK GAC EFF)	EPA 524.2	308021		
70258374002	GAC-3S/4S(SEAMAN NECKGACEFF)-D	EPA 524.2	308021		
70258374003	WELL 3A N-1347 (INFLUENT)	EPA 524.2	308021		
70258374004	WELL 4 N-09338 (INFLUENT)	EPA 524.2	308021		

REPORT OF LABORATORY ANALYSIS

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WO#: 70258374



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Required Client Information:
 Company: KOMAN Government Solutions, LLC
 Address: 180 Gordon Dr., Suite 110
 Exton, PA
 Email: RGregory@komang.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: accountspavable@komang.com
 Pace Quote: _____
 Pace Project Manager: Kimberley.Mack@Pacelabs.com
 Pace Profile #: _____

ITEM #	SAMPLE ID <small>One Character per box, (A-Z, 0-9 / , -)</small> Sample Ids must be unique	MATRIX CODE <small>(see valid codes to left)</small> DW Water WT Waste Water PP Product SL Soil/Solid OI Oil WI Wipe AR Air OT Other TS Tissue	CODE DWC WTC WWC PPC SLC OIC WPC ARC OTC TSC	SAMPLE TYPE <small>(G=GRAB C=COMP)</small>	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analyses Test <small>(VOCs by 524.2)</small> 1,4-dioxane (522)	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Regulatory Agency	State / Location NY
					START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other					
					DATE	TIME	DATE	TIME															
1	GAC-3S/4S (Seaman Neck GAC Effluent)	DW	G	G				6-23 9:40	4				X			X	X						
2	GAC-3S/4S (Seaman Neck GAC Effluent)-D	DW	G	G				6-23 9:45	2			X				X							
3	Well 3A N-14347 (Influent)	DW	G	G				6-23 10:05	4			X		X		X	X						
4	Well 4 N-09338 (Influent)	DW	G	G				6-23 10:20	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	W SAMPLE CONDITIONS
	<i>Randy Hoffmaster</i>	6-23		<i>Jim V. DRELI</i>	6/23	11:44	2.8

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on face <input checked="" type="checkbox"/> (Y/N)	Custody Sealing <input checked="" type="checkbox"/> (Y/N)	Cooler <input type="checkbox"/> (Y/N)	Samples Intact <input checked="" type="checkbox"/> (Y/N)
PRINT Name of SAMPLER:	Randy Hoffmaster					
SIGNATURE of SAMPLER:	<i>Randy Hoffmaster</i>					
DATE Signed: 6-2-2023						

WO# : 70258374

PM: KMM

Due Date: 06/13/23

CLIENT: KGS

Client: KGS

Profile #: 3456

Work ID: NYAW-Merrick OPS - pcc/1,4 DZcy 6/2

EOC Page _____ of _____

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	WG3U	WG4U	WG5U	ZPLC	GN	WP	IOC	SOC											
1			2																	2																																										
2			2																																																											
3			2																		2																																									
4			2																		2																																									

Container Codes

Glass		Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic
VG9S	40mL Sulfuric clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma
		AG1A	(NH4Cl)	BP35	250mL Ammonium Acetate
WG9Q	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	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClAcetic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials _____

Additional Comments

WO#: 70258374

PM: KMM Due Date: 06/13/23
 CLIENT: KGS

Client Name: _____ Project # _____

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No Temperature Blank Present: Yes No
 Packing Material: Bubble Wrap Bubble Bags Ziploc None Other Type of Ice: Wet Blue None

Thermometer Used: TH148 Correction Factor: -0.3 Samples on ice, cooling process has begun
 Cooler Temperature (°C): 2.8 Cooler Temperature Corrected (°C): 2.5 Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

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 (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: SH 6/1/23

	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 MS/MSD) <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	
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/Analysis: Matrix: <input checked="" type="checkbox"/> SL <input type="checkbox"/> WT <input type="checkbox"/> OIL <input type="checkbox"/> OTHER	

Date and Initials of person checking preservation: SH 6/1/23

All containers needing preservation have been pH paper Lot # All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Sample #
KI starch test strips Lot # Residual chlorine strips Lot #	Initial when completed: Lot # of added preservative: Date/Time preservative added:
SM 4500 CN samples checked for sul <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15. Positive for Res. Chlorine? Y N
Lead Acetate Strips Lot #	16. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	17.
Trip Blank Present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Custody Seals Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution: _____ Field Data Required? Y / N
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

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