



July 17, 2023

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

RE: Project: NYAW-MERRICK 1,4-D/POC 7/6  
Pace Project No.: 70262302

Dear Robert Gregory:

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

Pace Project No.: 70262302

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### **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-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70262302001	GAC-3S/4S (SEAMAN NECK GAC EFF)	Drinking Water	07/06/23 07:45	07/06/23 12:05
70262302002	GAC-3S/4S (SEAMAN GAC EFF)-D	Drinking Water	07/06/23 07:55	07/06/23 12:05
70262302003	N-14347 ( INFLUENT )	Drinking Water	07/06/23 09:25	07/06/23 12:05
70262302004	N-09338 ( INFLUENT )	Drinking Water	07/06/23 08:30	07/06/23 12:05

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### SAMPLE ANALYTE COUNT

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
70262302001	GAC-3S/4S (SEAMAN NECK GAC EFF	EPA 522	SPM	2
		EPA 524.2	KGG	62
70262302002	GAC-3S/4S (SEAMAN GAC EFF)-D	EPA 524.2	KGG	62
70262302003	N-14347 ( INFLUENT )	EPA 522	SPM	2
		EPA 524.2	KGG	62
70262302004	N-09338 ( INFLUENT )	EPA 522	SPM	2
		EPA 524.2	KGG	62

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PACE-MV = Pace Analytical Services - Melville

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## ANALYTICAL RESULTS

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

Sample: GAC-3S/4S (SEAMAN NECK GAC EFF) Lab ID: 70262302001 Collected: 07/06/23 07:45 Received: 07/06/23 12:05 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>									
Analytical Method: EPA 522 Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	2.2	ug/L	0.020		1	07/13/23 10:08	07/13/23 18:53	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	111	%	70-130		1	07/13/23 10:08	07/13/23 18:53		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50	5	1		07/13/23 23:54	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		07/13/23 23:54	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		07/13/23 23:54	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		07/13/23 23:54	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		07/13/23 23:54	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		07/13/23 23:54	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		07/13/23 23:54	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		07/13/23 23:54	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		07/13/23 23:54	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		07/13/23 23:54	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		07/13/23 23:54	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		07/13/23 23:54	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		07/13/23 23:54	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		07/13/23 23:54	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		07/13/23 23:54	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		07/13/23 23:54	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		07/13/23 23:54	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		07/13/23 23:54	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		07/13/23 23:54	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		07/13/23 23:54	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		07/13/23 23:54	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		07/13/23 23:54	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		07/13/23 23:54	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		07/13/23 23:54	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		07/13/23 23:54	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		07/13/23 23:54	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		07/13/23 23:54	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		07/13/23 23:54	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		07/13/23 23:54	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		07/13/23 23:54	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		07/13/23 23:54	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		07/13/23 23:54	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/13/23 23:54	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/13/23 23:54	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		07/13/23 23:54	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		07/13/23 23:54	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		07/13/23 23:54	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		07/13/23 23:54	99-87-6	

## REPORT OF LABORATORY ANALYSIS

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**ANALYTICAL RESULTS**

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

**Sample: GAC-3S/4S (SEAMAN NECK GAC EFF)**      **Lab ID: 70262302001**      Collected: 07/06/23 07:45      Received: 07/06/23 12:05      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methylene Chloride	<0.50	ug/L	0.50	5	1		07/13/23 23:54	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		07/13/23 23:54	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		07/13/23 23:54	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		07/13/23 23:54	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/13/23 23:54	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/13/23 23:54	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50	5	1		07/13/23 23:54	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		07/13/23 23:54	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		07/13/23 23:54		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		07/13/23 23:54	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		07/13/23 23:54	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		07/13/23 23:54	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		07/13/23 23:54	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		07/13/23 23:54	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		07/13/23 23:54	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		07/13/23 23:54	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		07/13/23 23:54	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		07/13/23 23:54	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		07/13/23 23:54	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		07/13/23 23:54	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		07/13/23 23:54	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		07/13/23 23:54	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		07/13/23 23:54	2199-69-1	
4-Bromofluorobenzene (S)	96	%	70-130		1		07/13/23 23:54	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

Sample: **GAC-3S/4S (SEAMAN GAC EFF)-D** Lab ID: **70262302002** Collected: 07/06/23 07:55 Received: 07/06/23 12:05 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50	5	1		07/14/23 00:17	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		07/14/23 00:17	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		07/14/23 00:17	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		07/14/23 00:17	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		07/14/23 00:17	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		07/14/23 00:17	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		07/14/23 00:17	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		07/14/23 00:17	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		07/14/23 00:17	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50	5	1		07/14/23 00:17	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		07/14/23 00:17	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		07/14/23 00:17	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		07/14/23 00:17	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		07/14/23 00:17	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		07/14/23 00:17	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		07/14/23 00:17	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		07/14/23 00:17	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		07/14/23 00:17	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		07/14/23 00:17	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		07/14/23 00:17	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		07/14/23 00:17	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		07/14/23 00:17	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		07/14/23 00:17	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		07/14/23 00:17	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		07/14/23 00:17	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		07/14/23 00:17	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		07/14/23 00:17	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		07/14/23 00:17	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		07/14/23 00:17	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		07/14/23 00:17	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		07/14/23 00:17	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		07/14/23 00:17	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/14/23 00:17	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/14/23 00:17	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		07/14/23 00:17	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		07/14/23 00:17	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		07/14/23 00:17	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		07/14/23 00:17	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50	5	1		07/14/23 00:17	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		07/14/23 00:17	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		07/14/23 00:17	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		07/14/23 00:17	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/14/23 00:17	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/14/23 00:17	79-34-5	

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

Sample: GAC-3S/4S (SEAMAN GAC EFF)-D Lab ID: 70262302002 Collected: 07/06/23 07:55 Received: 07/06/23 12:05 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Tetrachloroethene	<0.50	ug/L	0.50	5	1		07/14/23 00:17	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		07/14/23 00:17	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50	80	1		07/14/23 00:17		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		07/14/23 00:17	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		07/14/23 00:17	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		07/14/23 00:17	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		07/14/23 00:17	79-00-5	
Trichloroethene	<0.50	ug/L	0.50	5	1		07/14/23 00:17	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		07/14/23 00:17	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		07/14/23 00:17	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		07/14/23 00:17	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/23 00:17	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/23 00:17	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		07/14/23 00:17	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		07/14/23 00:17	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		07/14/23 00:17	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		07/14/23 00:17	2199-69-1	
4-Bromofluorobenzene (S)	99	%	70-130		1		07/14/23 00:17	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

**Sample: N-14347 ( INFLUENT )**      **Lab ID: 70262302003**      Collected: 07/06/23 09:25      Received: 07/06/23 12:05      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>									
Analytical Method: EPA 522    Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	2.8	ug/L	0.020		1	07/13/23 10:08	07/13/23 19:09	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	122	%	70-130		1	07/13/23 10:08	07/13/23 19:09		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		07/14/23 00:40	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		07/14/23 00:40	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		07/14/23 00:40	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		07/14/23 00:40	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		07/14/23 00:40	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		07/14/23 00:40	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		07/14/23 00:40	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		07/14/23 00:40	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		07/14/23 00:40	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5		07/14/23 00:40	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		07/14/23 00:40	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		07/14/23 00:40	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		07/14/23 00:40	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		07/14/23 00:40	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		07/14/23 00:40	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		07/14/23 00:40	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		07/14/23 00:40	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		07/14/23 00:40	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		07/14/23 00:40	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		07/14/23 00:40	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		07/14/23 00:40	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		07/14/23 00:40	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		07/14/23 00:40	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		07/14/23 00:40	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		5		07/14/23 00:40	107-06-2	
1,1-Dichloroethene	0.57	ug/L	0.50		7		07/14/23 00:40	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50		70		07/14/23 00:40	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		07/14/23 00:40	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		5		07/14/23 00:40	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		07/14/23 00:40	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		07/14/23 00:40	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		07/14/23 00:40	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/14/23 00:40	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/14/23 00:40	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50		700		07/14/23 00:40	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		07/14/23 00:40	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		07/14/23 00:40	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		07/14/23 00:40	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50		5		07/14/23 00:40	75-09-2	

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

Sample: N-14347 (INFLUENT) Lab ID: 70262302003 Collected: 07/06/23 09:25 Received: 07/06/23 12:05 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		07/14/23 00:40	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		07/14/23 00:40	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		07/14/23 00:40	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/14/23 00:40	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/14/23 00:40	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		5	1	07/14/23 00:40	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		07/14/23 00:40	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50		80	1	07/14/23 00:40		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		07/14/23 00:40	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		07/14/23 00:40	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		07/14/23 00:40	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		07/14/23 00:40	79-00-5	
Trichloroethene	18.9	ug/L	0.50	5	1		07/14/23 00:40	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		07/14/23 00:40	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		07/14/23 00:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	0.77	ug/L	0.50		1		07/14/23 00:40	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/23 00:40	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/23 00:40	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		07/14/23 00:40	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		07/14/23 00:40	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		07/14/23 00:40	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		07/14/23 00:40	2199-69-1	
4-Bromofluorobenzene (S)	95	%	70-130		1		07/14/23 00:40	460-00-4	

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

**Sample: N-09338 ( INFLUENT )**      **Lab ID: 70262302004**      Collected: 07/06/23 08:30      Received: 07/06/23 12:05      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>522 MSS 1,4 Dioxane (SIM)</b>									
Analytical Method: EPA 522    Preparation Method: EPA 522									
Pace Analytical Services - Melville									
1,4-Dioxane (p-Dioxane)	2.2	ug/L	0.020		1	07/13/23 10:08	07/13/23 19:25	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	117	%	70-130		1	07/13/23 10:08	07/13/23 19:25		
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Benzene	<0.50	ug/L	0.50		5		07/14/23 01:02	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		07/14/23 01:02	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		07/14/23 01:02	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50	80	1		07/14/23 01:02	75-27-4	
Bromoform	<0.50	ug/L	0.50	80	1		07/14/23 01:02	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		07/14/23 01:02	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		07/14/23 01:02	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		07/14/23 01:02	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		07/14/23 01:02	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		5		07/14/23 01:02	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50	100	1		07/14/23 01:02	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		07/14/23 01:02	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		07/14/23 01:02	75-00-3	
Chloroform	<0.50	ug/L	0.50	80	1		07/14/23 01:02	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		07/14/23 01:02	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		07/14/23 01:02	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		07/14/23 01:02	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50	80	1		07/14/23 01:02	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		07/14/23 01:02	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50	600	1		07/14/23 01:02	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		07/14/23 01:02	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50	75	1		07/14/23 01:02	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		07/14/23 01:02	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		07/14/23 01:02	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50	5	1		07/14/23 01:02	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50	7	1		07/14/23 01:02	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	70	1		07/14/23 01:02	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	100	1		07/14/23 01:02	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50	5	1		07/14/23 01:02	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		07/14/23 01:02	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		07/14/23 01:02	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		07/14/23 01:02	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/14/23 01:02	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		07/14/23 01:02	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50	700	1		07/14/23 01:02	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		07/14/23 01:02	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		07/14/23 01:02	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		07/14/23 01:02	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50	5	1		07/14/23 01:02	75-09-2	

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### ANALYTICAL RESULTS

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

**Sample: N-09338 ( INFLUENT )**      **Lab ID: 70262302004**      Collected: 07/06/23 08:30      Received: 07/06/23 12:05      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Melville									
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		07/14/23 01:02	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		07/14/23 01:02	103-65-1	
Styrene	<0.50	ug/L	0.50	100	1		07/14/23 01:02	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/14/23 01:02	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		07/14/23 01:02	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		5	1	07/14/23 01:02	127-18-4	
Toluene	<0.50	ug/L	0.50	1000	1		07/14/23 01:02	108-88-3	
Total Trihalomethanes (Calc.)	<0.50	ug/L	0.50		80	1	07/14/23 01:02		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		07/14/23 01:02	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	70	1		07/14/23 01:02	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50	200	1		07/14/23 01:02	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50	5	1		07/14/23 01:02	79-00-5	
Trichloroethene	2.4	ug/L	0.50	5	1		07/14/23 01:02	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		07/14/23 01:02	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		07/14/23 01:02	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		07/14/23 01:02	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/23 01:02	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		07/14/23 01:02	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50	2	1		07/14/23 01:02	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		07/14/23 01:02	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		07/14/23 01:02	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/14/23 01:02	2199-69-1	
4-Bromofluorobenzene (S)	96	%	70-130		1		07/14/23 01:02	460-00-4	

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## QUALITY CONTROL DATA

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

QC Batch: 312255

Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2

Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70262302001, 70262302002, 70262302003, 70262302004

METHOD BLANK: 1586079

Matrix: Water

Associated Lab Samples: 70262302001, 70262302002, 70262302003, 70262302004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	07/13/23 18:36	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	07/13/23 18:36	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	07/13/23 18:36	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	07/13/23 18:36	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	07/13/23 18:36	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	07/13/23 18:36	
1,1-Dichloroethene	ug/L	<0.50	0.50	07/13/23 18:36	
1,1-Dichloropropene	ug/L	<0.50	0.50	07/13/23 18:36	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	07/13/23 18:36	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	07/13/23 18:36	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	07/13/23 18:36	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	07/13/23 18:36	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	07/13/23 18:36	
1,2-Dichloroethane	ug/L	<0.50	0.50	07/13/23 18:36	
1,2-Dichloropropane	ug/L	<0.50	0.50	07/13/23 18:36	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	07/13/23 18:36	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	07/13/23 18:36	
1,3-Dichloropropane	ug/L	<0.50	0.50	07/13/23 18:36	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	07/13/23 18:36	
2,2-Dichloropropane	ug/L	<0.50	0.50	07/13/23 18:36	
2-Chlorotoluene	ug/L	<0.50	0.50	07/13/23 18:36	
4-Chlorotoluene	ug/L	<0.50	0.50	07/13/23 18:36	
Benzene	ug/L	<0.50	0.50	07/13/23 18:36	
Bromobenzene	ug/L	<0.50	0.50	07/13/23 18:36	
Bromochloromethane	ug/L	<0.50	0.50	07/13/23 18:36	
Bromodichloromethane	ug/L	<0.50	0.50	07/13/23 18:36	
Bromoform	ug/L	<0.50	0.50	07/13/23 18:36	
Bromomethane	ug/L	<0.50	0.50	07/13/23 18:36	
Carbon tetrachloride	ug/L	<0.50	0.50	07/13/23 18:36	
Chlorobenzene	ug/L	<0.50	0.50	07/13/23 18:36	
Chlorodifluoromethane	ug/L	<0.50	0.50	07/13/23 18:36	N3
Chloroethane	ug/L	<0.50	0.50	07/13/23 18:36	
Chloroform	ug/L	<0.50	0.50	07/13/23 18:36	
Chloromethane	ug/L	<0.50	0.50	07/13/23 18:36	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	07/13/23 18:36	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	07/13/23 18:36	
Dibromochloromethane	ug/L	<0.50	0.50	07/13/23 18:36	
Dibromomethane	ug/L	<0.50	0.50	07/13/23 18:36	
Dichlorodifluoromethane	ug/L	<0.50	0.50	07/13/23 18:36	
Ethylbenzene	ug/L	<0.50	0.50	07/13/23 18:36	

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-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

METHOD BLANK: 1586079

Matrix: Water

Associated Lab Samples: 70262302001, 70262302002, 70262302003, 70262302004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	07/13/23 18:36	
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	07/13/23 18:36	
m&p-Xylene	ug/L	<0.50	0.50	07/13/23 18:36	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	07/13/23 18:36	
Methylene Chloride	ug/L	<0.50	0.50	07/13/23 18:36	
n-Butylbenzene	ug/L	<0.50	0.50	07/13/23 18:36	
n-Propylbenzene	ug/L	<0.50	0.50	07/13/23 18:36	
o-Xylene	ug/L	<0.50	0.50	07/13/23 18:36	
p-Isopropyltoluene	ug/L	<0.50	0.50	07/13/23 18:36	
sec-Butylbenzene	ug/L	<0.50	0.50	07/13/23 18:36	
Styrene	ug/L	<0.50	0.50	07/13/23 18:36	
tert-Butylbenzene	ug/L	<0.50	0.50	07/13/23 18:36	
Tetrachloroethene	ug/L	<0.50	0.50	07/13/23 18:36	
Toluene	ug/L	<0.50	0.50	07/13/23 18:36	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	07/13/23 18:36	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	07/13/23 18:36	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	07/13/23 18:36	
Trichloroethene	ug/L	<0.50	0.50	07/13/23 18:36	
Trichlorofluoromethane	ug/L	<0.50	0.50	07/13/23 18:36	
Vinyl chloride	ug/L	<0.50	0.50	07/13/23 18:36	
1,2-Dichlorobenzene-d4 (S)	%	97	70-130	07/13/23 18:36	
4-Bromofluorobenzene (S)	%	99	70-130	07/13/23 18:36	

LABORATORY CONTROL SAMPLE: 1586080

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	9.6	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	10	100	70-130	
1,1,2-Trichloroethane	ug/L	10	10.3	103	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	11.0	110	70-130	N3
1,1-Dichloroethane	ug/L	10	9.9	99	70-130	
1,1-Dichloroethene	ug/L	10	8.7	87	70-130	
1,1-Dichloropropene	ug/L	10	9.2	92	70-130	
1,2,3-Trichlorobenzene	ug/L	10	10.5	105	70-130	
1,2,3-Trichloropropane	ug/L	10	10.3	103	70-130	
1,2,4-Trichlorobenzene	ug/L	10	10.2	102	70-130	
1,2,4-Trimethylbenzene	ug/L	10	10.0	100	70-130	
1,2-Dichlorobenzene	ug/L	10	10.3	103	70-130	
1,2-Dichloroethane	ug/L	10	11.2	112	70-130	
1,2-Dichloropropane	ug/L	10	10.1	101	70-130	
1,3,5-Trimethylbenzene	ug/L	10	9.7	97	70-130	
1,3-Dichlorobenzene	ug/L	10	10	100	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: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

LABORATORY CONTROL SAMPLE: 1586080

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	10.4	104	70-130	
2,2-Dichloropropane	ug/L	10	8.5	85	70-130	
2-Chlorotoluene	ug/L	10	9.9	99	70-130	
4-Chlorotoluene	ug/L	10	10	100	70-130	
Benzene	ug/L	10	9.8	98	70-130	
Bromobenzene	ug/L	10	9.8	98	70-130	
Bromochloromethane	ug/L	10	9.6	96	70-130	
Bromodichloromethane	ug/L	10	9.1	91	70-130	
Bromoform	ug/L	10	8.3	83	70-130	
Bromomethane	ug/L	10	8.8	88	70-130	
Carbon tetrachloride	ug/L	10	8.5	85	70-130	
Chlorobenzene	ug/L	10	10.0	100	70-130	
Chlorodifluoromethane	ug/L	10	12.6	126	70-130	N3
Chloroethane	ug/L	10	10.3	103	70-130	
Chloroform	ug/L	10	9.8	98	70-130	
Chloromethane	ug/L	10	10.7	107	70-130	
cis-1,2-Dichloroethene	ug/L	10	9.5	95	70-130	
cis-1,3-Dichloropropene	ug/L	10	9.4	94	70-130	
Dibromochloromethane	ug/L	10	9.1	91	70-130	
Dibromomethane	ug/L	10	9.8	98	70-130	
Dichlorodifluoromethane	ug/L	10	7.9	79	70-130	
Ethylbenzene	ug/L	10	8.9	89	70-130	
Hexachloro-1,3-butadiene	ug/L	10	9.6	96	70-130	
Isopropylbenzene (Cumene)	ug/L	10	9.0	90	70-130	
m&p-Xylene	ug/L	20	18.7	94	70-130	
Methyl-tert-butyl ether	ug/L	10	10.5	105	70-130	v1
Methylene Chloride	ug/L	10	10.4	104	70-130	
n-Butylbenzene	ug/L	10	9.8	98	70-130	
n-Propylbenzene	ug/L	10	9.7	97	70-130	
o-Xylene	ug/L	10	9.9	99	70-130	
p-Isopropyltoluene	ug/L	10	9.6	96	70-130	
sec-Butylbenzene	ug/L	10	9.5	95	70-130	
Styrene	ug/L	10	10	100	70-130	
tert-Butylbenzene	ug/L	10	9.6	96	70-130	
Tetrachloroethene	ug/L	10	9.5	95	70-130	
Toluene	ug/L	10	9.1	91	70-130	
Total Trihalomethanes (Calc.)	ug/L		36.3			
trans-1,2-Dichloroethene	ug/L	10	9.0	90	70-130	
trans-1,3-Dichloropropene	ug/L	10	9.4	94	70-130	
Trichloroethene	ug/L	10	9.6	96	70-130	
Trichlorofluoromethane	ug/L	10	9.9	99	70-130	
Vinyl chloride	ug/L	10	10	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	

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## QUALITY CONTROL DATA

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

SAMPLE DUPLICATE: 1586831

Parameter	Units	70262454001 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	1.8	1.6	12	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	1.8	1.6	10	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-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

SAMPLE DUPLICATE: 1586831

Parameter	Units	70262454001 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	0.55	<0.50		20	
Toluene	ug/L	<0.50	<0.50		20	
Total Trihalomethanes (Calc.)	ug/L	1.8	1.6	10	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	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	101	98		20	
4-Bromofluorobenzene (S)	%	99	98		20	

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**QUALITY CONTROL DATA**

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

QC Batch: 312132	Analysis Method: EPA 522
QC Batch Method: EPA 522	Analysis Description: 522 MSS 1,4 Dioxane
	Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70262302001, 70262302003, 70262302004

METHOD BLANK: 1585245 Matrix: Drinking Water

Associated Lab Samples: 70262302001, 70262302003, 70262302004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	07/13/23 15:07	
1,4-Dioxane-d8 (S)	%	128	70-130	07/13/23 15:07	

LABORATORY CONTROL SAMPLE: 1585246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	4	4.5	114	70-130	E
1,4-Dioxane-d8 (S)	%			116	70-130	

MATRIX SPIKE SAMPLE: 1585247

Parameter	Units	70261898002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	4	4.5	113	70-130	E
1,4-Dioxane-d8 (S)	%				24	70-130	S0

SAMPLE DUPLICATE: 1585248

Parameter	Units	70261898003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	<0.020		30	
1,4-Dioxane-d8 (S)	%	121	54		30	S0

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## QUALIFIERS

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

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### 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

E Analyte concentration exceeded the calibration range. The reported result is estimated.

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

S0 Surrogate recovery outside laboratory control limits.

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.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYAW-MERRICK 1,4-D/POC 7/6

Pace Project No.: 70262302

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70262302001	GAC-3S/4S (SEAMAN NECK GAC EFF)	EPA 522	312132	EPA 522	312286
70262302003	N-14347 ( INFLUENT )	EPA 522	312132	EPA 522	312286
70262302004	N-09338 ( INFLUENT )	EPA 522	312132	EPA 522	312286
70262302001	GAC-3S/4S (SEAMAN NECK GAC EFF)	EPA 524.2	312255		
70262302002	GAC-3S/4S (SEAMAN GAC EFF)-D	EPA 524.2	312255		
70262302003	N-14347 ( INFLUENT )	EPA 524.2	312255		
70262302004	N-09338 ( INFLUENT )	EPA 524.2	312255		

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

**WO#: 70262302**

70262302

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: KOMAN Government Solutions, LLC	Address: 180 Gordon Dr., Suite 110 Edon, PA	Report To: Robert Gregory	Copy To: NCCDH	Account: Accounts Payable	Company Name: KOMAN Government Solutions, LLC
Email: <a href="mailto:RGregory@koman.com">RGregory@koman.com</a>	Phone: (810) 400-0636	Purchase Order #: 02807-005	Project Name: NYAW-MERRICK OPS FACILITY	Address: <a href="mailto:accounts payable@koman.com">accounts payable@koman.com</a>	Page Quote:
Requested Due Date:		Project #: 02807-005		Page Project Manager: <a href="mailto:Kimberly.Mack@PaceAn.com">Kimberly.Mack@PaceAn.com</a>	Page Profile #:
Regulatory Agency:			State / Location:		
			NY		

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, -, /, .)	MATRIX: Drinking Water: DW Waste Water: WW Product: PD Other: OTH	CODE: DWC WTC WWD PD OLC WPC AW OTC TB	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)		Facial Charms (Y/N)
				START		END				Unpreserved	H2SO4	HNO3	HCl	H2O2	Methanol	Other		POC (VOCs by EPA 2)	1,4-dioxane (B2)	
				DATE	TIME	DATE	TIME													
1	GAC-3S/4S (Seaman Neck GAC Effluent)	DW	G	7/6/23	7:45			4				X	X				X	X		
2	GAC-3S/4S (Seaman Neck GAC Effluent)-D	DW	G	7/6/23	7:55			2				X					X			
3	Well 3A N-14347 (Influent)	DW	G	7/6/23	7:25			4				X	X				X	X		
4	Well 4 N-09338 (Influent)	DW	G	7/6/23	8:30			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
	<i>Randy Hoffmaster</i>	7/6/23	12:05	<i>[Signature]</i>	7/6/23	12:05	11 (W) 2 Y

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on (Y/N)	Custody (Y/N)	Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Randy Hoffmaster							
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed: 7-6-2023						



**WO#: 70262302**

Client Name: KGS Project # \_\_\_\_\_

PM: KMM Due Date: 07/17/23  
 CLIENT: KGS

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: H188 Correction Factor: \_\_\_\_\_  
 Cooler Temperature (°C): 11.1 Cooler Temperature Corrected (°C): 10.9  Samples on ice, cooling process has begun  
 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:

	COMMENTS:
Chain of Custody Present: <input 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 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 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: <u>SL</u> WT OIL OTHER	

Date and Initials of person checking preservation:

All containers needing preservation have been pH paper Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.	<input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: KI starch test strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.	Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #			Positive for Sulfide? Y N
SM 4500 CN samples checked for sul	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.	
Lead Acetate Strips Lot #			
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

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

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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