

August 16, 2018

Rob King  
Hampton Bays Water District  
P.O. Box 1013  
Hampton Bays, NY 11946

RE: Project: HEXCR/MN/1,4 DIOX/POC 8/8  
Pace Project No.: 7060937

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on August 08, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Kimberley M. Mack for  
Stu Murrell  
stu.murrell@pacelabs.com  
(631)694-3040  
Project Manager

Enclosures

cc: Warren Booth, Hampton Bays Water District  
John Collins, H2M Group  
Stella Michaels, Hampton Bays Water District  
Paul Ponturo, H2M Group



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

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### Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174

Alabama Certification #: 41320

Connecticut Certification #: PH-0216

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maryland Certification: #346

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

Nevada Certification: FL NELAC Reciprocity

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

Wyoming Certification: FL NELAC Reciprocity

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

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### Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7060937001	S-15687	Drinking Water	08/08/18 07:50	08/08/18 15:50
7060937002	S-24848	Drinking Water	08/08/18 08:05	08/08/18 15:50
7060937003	S-31636	Drinking Water	08/08/18 08:10	08/08/18 15:50
7060937004	S-50970	Drinking Water	08/08/18 08:40	08/08/18 15:50
7060937005	S-74071	Drinking Water	08/08/18 08:55	08/08/18 15:50
7060937006	S-58350	Drinking Water	08/08/18 09:45	08/08/18 15:50
7060937007	S-58351	Drinking Water	08/08/18 09:35	08/08/18 15:50
7060937008	S-58352	Drinking Water	08/08/18 09:55	08/08/18 15:50
7060937009	S-108065	Drinking Water	08/08/18 09:20	08/08/18 15:50
7060937010	S-108066	Drinking Water	08/08/18 09:25	08/08/18 15:50
7060937011	S-127163	Drinking Water	08/08/18 10:10	08/08/18 15:50
7060937012	COMBINED EFFLUENT	Drinking Water	08/08/18 08:20	08/08/18 15:50
7060937013	COMBINED DIST.	Drinking Water	08/08/18 08:20	08/08/18 15:50

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### SAMPLE ANALYTE COUNT

Project: HEXCR/MN/1,4 DIOX/POC 8/8  
Pace Project No.: 7060937

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
7060937001	S-15687	EPA 200.7	JMW	1	PACE-MV
		EPA 218.7	ALD	1	PASI-O
7060937002	S-24848	EPA 200.7	JMW	1	PACE-MV
		EPA 218.7	ALD	1	PASI-O
7060937003	S-31636	EPA 200.7	JMW	1	PACE-MV
		EPA 218.7	ALD	1	PASI-O
7060937004	S-50970	EPA 522	RP1	2	PACE-MV
		EPA 218.7	ALD	1	PASI-O
7060937005	S-74071	EPA 522	RP1	2	PACE-MV
		EPA 218.7	ALD	1	PASI-O
7060937006	S-58350	EPA 218.7	ALD	1	PASI-O
7060937007	S-58351	EPA 218.7	ALD	1	PASI-O
7060937008	S-58352	EPA 218.7	ALD	1	PASI-O
7060937009	S-108065	EPA 218.7	ALD	1	PASI-O
7060937010	S-108066	EPA 218.7	ALD	1	PASI-O
7060937011	S-127163	EPA 524.2	KGG	62	PACE-MV
		EPA 218.7	ALD	1	PASI-O
7060937012	COMBINED EFFLUENT	EPA 200.7	JMW	1	PACE-MV
7060937013	COMBINED DIST.	EPA 200.7	JMW	1	PACE-MV

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### ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

Sample: S-15687		Lab ID: 7060937001		Collected: 08/08/18 07:50	Received: 08/08/18 15:50	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>200.7 MET ICP, Drinking Water</b>		Analytical Method: EPA 200.7								
Manganese	<b>&lt;0.010</b>	mg/L	0.010		1		08/10/18 13:35	7439-96-5		
<b>Hexavalent Chromium</b>		Analytical Method: EPA 218.7								
Chromium, Hexavalent	<b>0.44</b>	ug/L	0.050		2		08/15/18 11:41	18540-29-9	N2	

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## ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

Sample: S-24848		Lab ID: 7060937002		Collected: 08/08/18 08:05	Received: 08/08/18 15:50	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.7 MET ICP, Drinking Water</b>		Analytical Method: EPA 200.7							
Manganese	<b>0.25</b>	mg/L	0.010		1		08/10/18 13:36	7439-96-5	
<b>Hexavalent Chromium</b>		Analytical Method: EPA 218.7							
Chromium, Hexavalent	<b>0.34</b>	ug/L	0.050		2		08/15/18 12:20	18540-29-9	N2

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## ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

Sample: S-31636		Lab ID: 7060937003		Collected: 08/08/18 08:10	Received: 08/08/18 15:50	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.7 MET ICP, Drinking Water</b>		Analytical Method: EPA 200.7							
Manganese	<b>0.013</b>	mg/L	0.010		1		08/10/18 13:37	7439-96-5	
<b>Hexavalent Chromium</b>		Analytical Method: EPA 218.7							
Chromium, Hexavalent	<b>0.090</b>	ug/L	0.025		1		08/14/18 19:52	18540-29-9	N2

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### ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

<b>Sample: S-50970</b>		<b>Lab ID: 7060937004</b>		Collected: 08/08/18 08:40	Received: 08/08/18 15:50	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							
1,4-Dioxane (p-Dioxane)	<b>0.064</b>	ug/L	0.020		1	08/10/18 12:53	08/10/18 21:06	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	103	%	70-130		1	08/10/18 12:53	08/10/18 21:06		
<b>Hexavalent Chromium</b>		Analytical Method: EPA 218.7							
Chromium, Hexavalent	<b>0.53</b>	ug/L	0.050		2		08/15/18 12:33	18540-29-9	N2

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## ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

Sample: S-74071		Lab ID: 7060937005		Collected: 08/08/18 08:55	Received: 08/08/18 15:50	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							
1,4-Dioxane (p-Dioxane)	<b>0.073</b>	ug/L	0.020		1	08/10/18 12:53	08/10/18 22:26	123-91-1	
<b>Surrogates</b>									
1,4-Dioxane-d8 (S)	92	%	70-130		1	08/10/18 12:53	08/10/18 22:26		
<b>Hexavalent Chromium</b>		Analytical Method: EPA 218.7							
Chromium, Hexavalent	<b>0.56</b>	ug/L	0.050		2		08/15/18 12:46	18540-29-9	N2

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## ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

Sample: S-58350		Lab ID: 7060937006		Collected: 08/08/18 09:45	Received: 08/08/18 15:50	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>Hexavalent Chromium</b>		Analytical Method: EPA 218.7								
Chromium, Hexavalent	<b>0.57</b>	ug/L	0.050		2		08/15/18 12:59	18540-29-9	N2	

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### ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

Sample: S-58351		Lab ID: 7060937007		Collected: 08/08/18 09:35	Received: 08/08/18 15:50	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>Hexavalent Chromium</b>		Analytical Method: EPA 218.7								
Chromium, Hexavalent	<b>0.40</b>	ug/L	0.050		2		08/15/18 13:12	18540-29-9	N2	

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### ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8  
Pace Project No.: 7060937

Sample: S-58352		Lab ID: 7060937008		Collected: 08/08/18 09:55	Received: 08/08/18 15:50	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>Hexavalent Chromium</b>		Analytical Method: EPA 218.7								
Chromium, Hexavalent	<b>0.36</b>	ug/L	0.050		2		08/15/18 13:25	18540-29-9	N2	

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### ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

**Sample: S-108065**      **Lab ID: 7060937009**      Collected: 08/08/18 09:20      Received: 08/08/18 15:50      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Hexavalent Chromium</b>									
Analytical Method: EPA 218.7									
Chromium, Hexavalent	<b>0.25</b>	ug/L	0.025		1		08/14/18 21:10	18540-29-9	N2

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### ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

Sample: S-108066		Lab ID: 7060937010		Collected: 08/08/18 09:25	Received: 08/08/18 15:50	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>Hexavalent Chromium</b>		Analytical Method: EPA 218.7								
Chromium, Hexavalent	<b>0.055</b>	ug/L	0.025		1		08/14/18 21:23	18540-29-9	N2	

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### ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

**Sample: S-127163**      **Lab ID: 7060937011**      Collected: 08/08/18 10:10      Received: 08/08/18 15:50      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									
Benzene	<0.50	ug/L	0.50		1		08/15/18 19:28	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		08/15/18 19:28	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50		1		08/15/18 19:28	75-27-4	
Bromoform	<0.50	ug/L	0.50		1		08/15/18 19:28	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		08/15/18 19:28	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		1		08/15/18 19:28	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		08/15/18 19:28	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		08/15/18 19:28	75-00-3	
Chloroform	1.0	ug/L	0.50		1		08/15/18 19:28	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		08/15/18 19:28	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		08/15/18 19:28	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		08/15/18 19:28	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50		1		08/15/18 19:28	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		08/15/18 19:28	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		08/15/18 19:28	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		08/15/18 19:28	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		1		08/15/18 19:28	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50		1		08/15/18 19:28	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50		1		08/15/18 19:28	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50		1		08/15/18 19:28	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		1		08/15/18 19:28	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		08/15/18 19:28	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		08/15/18 19:28	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		08/15/18 19:28	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		08/15/18 19:28	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		08/15/18 19:28	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		08/15/18 19:28	87-68-3	L2
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		08/15/18 19:28	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		08/15/18 19:28	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50		1		08/15/18 19:28	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		08/15/18 19:28	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	103-65-1	
Styrene	<0.50	ug/L	0.50		1		08/15/18 19:28	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		08/15/18 19:28	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		08/15/18 19:28	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		1		08/15/18 19:28	127-18-4	
Toluene	<0.50	ug/L	0.50		1		08/15/18 19:28	108-88-3	

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### ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

**Sample: S-127163**      **Lab ID: 7060937011**      Collected: 08/08/18 10:10      Received: 08/08/18 15:50      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									
Total Trihalomethanes (Calc.)	1.0	ug/L	0.50		1		08/15/18 19:28		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50		1		08/15/18 19:28	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50		1		08/15/18 19:28	79-00-5	
Trichloroethene	<0.50	ug/L	0.50		1		08/15/18 19:28	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		08/15/18 19:28	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		08/15/18 19:28	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		08/15/18 19:28	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		08/15/18 19:28	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		1		08/15/18 19:28	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		08/15/18 19:28	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		08/15/18 19:28	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	82	%	70-130		1		08/15/18 19:28	2199-69-1	
4-Bromofluorobenzene (S)	89	%	70-130		1		08/15/18 19:28	460-00-4	
<b>Hexavalent Chromium</b> Analytical Method: EPA 218.7									
Chromium, Hexavalent	0.38	ug/L	0.050		2		08/15/18 13:38	18540-29-9	M1, N2

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## ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

Sample: <b>COMBINED EFFLUENT</b>		Lab ID: <b>7060937012</b>		Collected: 08/08/18 08:20	Received: 08/08/18 15:50	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>200.7 MET ICP, Drinking Water</b>		Analytical Method: EPA 200.7								
Manganese	<b>0.085</b>	mg/L	0.010		1		08/10/18 13:38	7439-96-5		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

Sample: <b>COMBINED DIST.</b>		Lab ID: <b>7060937013</b>		Collected: 08/08/18 08:20	Received: 08/08/18 15:50	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.7 MET ICP, Drinking Water</b>		Analytical Method: EPA 200.7							
Manganese	<b>0.086</b>	mg/L	0.010		1		08/10/18 13:39	7439-96-5	

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### QUALITY CONTROL DATA

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

QC Batch: 78727	Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7	Analysis Description: 200.7 MET No Prep Drinking Water
Associated Lab Samples: 7060937001, 7060937002, 7060937003, 7060937012, 7060937013	

METHOD BLANK: 361765 Matrix: Drinking Water  
Associated Lab Samples: 7060937001, 7060937002, 7060937003, 7060937012, 7060937013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Manganese	mg/L	<0.010	0.010	08/10/18 13:22	

LABORATORY CONTROL SAMPLE: 361766

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Manganese	mg/L	.25	0.25	99	85-115	

MATRIX SPIKE SAMPLE: 361769

Parameter	Units	7061051001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Manganese	mg/L	0.36	.25	0.59	92	70-130	

MATRIX SPIKE SAMPLE: 361771

Parameter	Units	7061054001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Manganese	mg/L	0.37	.25	0.59	90	70-130	

SAMPLE DUPLICATE: 361768

Parameter	Units	7061051001 Result	Dup Result	RPD	Max RPD	Qualifiers
Manganese	mg/L	0.36	0.36	1	20	

SAMPLE DUPLICATE: 361770

Parameter	Units	7061054001 Result	Dup Result	RPD	Max RPD	Qualifiers
Manganese	mg/L	0.37	0.37	0	20	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: HEXCR/MN/1,4 DIOX/POC 8/8  
Pace Project No.: 7060937

QC Batch: 79214 Analysis Method: EPA 524.2  
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV  
Associated Lab Samples: 7060937011

METHOD BLANK: 364262 Matrix: Water  
Associated Lab Samples: 7060937011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	08/15/18 09:33	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	08/15/18 09:33	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	08/15/18 09:33	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	08/15/18 09:33	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	08/15/18 09:33	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	08/15/18 09:33	
1,1-Dichloroethene	ug/L	<0.50	0.50	08/15/18 09:33	
1,1-Dichloropropene	ug/L	<0.50	0.50	08/15/18 09:33	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	08/15/18 09:33	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	08/15/18 09:33	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	08/15/18 09:33	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	08/15/18 09:33	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	08/15/18 09:33	
1,2-Dichloroethane	ug/L	<0.50	0.50	08/15/18 09:33	
1,2-Dichloropropane	ug/L	<0.50	0.50	08/15/18 09:33	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	08/15/18 09:33	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	08/15/18 09:33	
1,3-Dichloropropane	ug/L	<0.50	0.50	08/15/18 09:33	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	08/15/18 09:33	
2,2-Dichloropropane	ug/L	<0.50	0.50	08/15/18 09:33	
2-Chlorotoluene	ug/L	<0.50	0.50	08/15/18 09:33	
4-Chlorotoluene	ug/L	<0.50	0.50	08/15/18 09:33	
Benzene	ug/L	<0.50	0.50	08/15/18 09:33	
Bromobenzene	ug/L	<0.50	0.50	08/15/18 09:33	
Bromochloromethane	ug/L	<0.50	0.50	08/15/18 09:33	
Bromodichloromethane	ug/L	<0.50	0.50	08/15/18 09:33	
Bromoform	ug/L	<0.50	0.50	08/15/18 09:33	
Bromomethane	ug/L	<0.50	0.50	08/15/18 09:33	
Carbon tetrachloride	ug/L	<0.50	0.50	08/15/18 09:33	
Chlorobenzene	ug/L	<0.50	0.50	08/15/18 09:33	
Chlorodifluoromethane	ug/L	<0.50	0.50	08/15/18 09:33	N3
Chloroethane	ug/L	<0.50	0.50	08/15/18 09:33	
Chloroform	ug/L	<0.50	0.50	08/15/18 09:33	
Chloromethane	ug/L	<0.50	0.50	08/15/18 09:33	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	08/15/18 09:33	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	08/15/18 09:33	
Dibromochloromethane	ug/L	<0.50	0.50	08/15/18 09:33	
Dibromomethane	ug/L	<0.50	0.50	08/15/18 09:33	
Dichlorodifluoromethane	ug/L	<0.50	0.50	08/15/18 09:33	
Ethylbenzene	ug/L	<0.50	0.50	08/15/18 09:33	
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	08/15/18 09:33	

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### QUALITY CONTROL DATA

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

METHOD BLANK: 364262

Matrix: Water

Associated Lab Samples: 7060937011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	08/15/18 09:33	
m&p-Xylene	ug/L	<0.50	0.50	08/15/18 09:33	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	08/15/18 09:33	
Methylene Chloride	ug/L	<0.50	0.50	08/15/18 09:33	
n-Butylbenzene	ug/L	<0.50	0.50	08/15/18 09:33	
n-Propylbenzene	ug/L	<0.50	0.50	08/15/18 09:33	
o-Xylene	ug/L	<0.50	0.50	08/15/18 09:33	
p-Isopropyltoluene	ug/L	<0.50	0.50	08/15/18 09:33	
sec-Butylbenzene	ug/L	<0.50	0.50	08/15/18 09:33	
Styrene	ug/L	<0.50	0.50	08/15/18 09:33	
tert-Butylbenzene	ug/L	<0.50	0.50	08/15/18 09:33	
Tetrachloroethene	ug/L	<0.50	0.50	08/15/18 09:33	
Toluene	ug/L	<0.50	0.50	08/15/18 09:33	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	08/15/18 09:33	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	08/15/18 09:33	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	08/15/18 09:33	
Trichloroethene	ug/L	<0.50	0.50	08/15/18 09:33	
Trichlorofluoromethane	ug/L	<0.50	0.50	08/15/18 09:33	
Vinyl chloride	ug/L	<0.50	0.50	08/15/18 09:33	
1,2-Dichlorobenzene-d4 (S)	%	88	70-130	08/15/18 09:33	
4-Bromofluorobenzene (S)	%	90	70-130	08/15/18 09:33	

LABORATORY CONTROL SAMPLE: 364263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	8.8	88	70-130	
1,1,1-Trichloroethane	ug/L	10	8.0	80	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	10.0	100	70-130	
1,1,2-Trichloroethane	ug/L	10	10.1	101	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	10.4	104	70-130	N3
1,1-Dichloroethane	ug/L	10	9.2	92	70-130	
1,1-Dichloroethene	ug/L	10	9.2	92	70-130	
1,1-Dichloropropene	ug/L	10	9.4	94	70-130	
1,2,3-Trichlorobenzene	ug/L	10	7.3	73	70-130	
1,2,3-Trichloropropane	ug/L	10	9.2	92	70-130	
1,2,4-Trichlorobenzene	ug/L	10	8.4	84	70-130	
1,2,4-Trimethylbenzene	ug/L	10	9.1	91	70-130	
1,2-Dichlorobenzene	ug/L	10	9.1	91	70-130	
1,2-Dichloroethane	ug/L	10	8.3	83	70-130	
1,2-Dichloropropane	ug/L	10	10	100	70-130	
1,3,5-Trimethylbenzene	ug/L	10	8.9	89	70-130	
1,3-Dichlorobenzene	ug/L	10	9.1	91	70-130	
1,3-Dichloropropane	ug/L	10	9.6	96	70-130	
1,4-Dichlorobenzene	ug/L	10	8.7	87	70-130	

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### QUALITY CONTROL DATA

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

LABORATORY CONTROL SAMPLE: 364263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	10	8.3	83	70-130	
2-Chlorotoluene	ug/L	10	8.9	89	70-130	
4-Chlorotoluene	ug/L	10	9.0	90	70-130	
Benzene	ug/L	10	9.3	93	70-130	
Bromobenzene	ug/L	10	8.5	85	70-130	
Bromochloromethane	ug/L	10	9.1	91	70-130	
Bromodichloromethane	ug/L	10	9.3	93	70-130	
Bromoform	ug/L	10	8.9	89	70-130	
Bromomethane	ug/L	10	9.9	99	70-130	
Carbon tetrachloride	ug/L	10	7.8	78	70-130	
Chlorobenzene	ug/L	10	9.4	94	70-130	
Chlorodifluoromethane	ug/L	10	8.5	85	70-130	N3
Chloroethane	ug/L	10	11.3	113	70-130	
Chloroform	ug/L	10	9.0	90	70-130	
Chloromethane	ug/L	10	10.6	106	70-130	
cis-1,2-Dichloroethene	ug/L	10	9.1	91	70-130	
cis-1,3-Dichloropropene	ug/L	10	9.7	97	70-130	
Dibromochloromethane	ug/L	10	9.4	94	70-130	
Dibromomethane	ug/L	10	9.4	94	70-130	
Dichlorodifluoromethane	ug/L	10	7.0	70	70-130	
Ethylbenzene	ug/L	10	9.4	94	70-130	
Hexachloro-1,3-butadiene	ug/L	10	6.5	65	70-130	L2
Isopropylbenzene (Cumene)	ug/L	10	8.9	89	70-130	
m&p-Xylene	ug/L	20	19.2	96	70-130	
Methyl-tert-butyl ether	ug/L	10	11.0	110	70-130	
Methylene Chloride	ug/L	10	10.3	103	70-130	
n-Butylbenzene	ug/L	10	8.8	88	70-130	
n-Propylbenzene	ug/L	10	9.1	91	70-130	
o-Xylene	ug/L	10	9.3	93	70-130	
p-Isopropyltoluene	ug/L	10	9.0	90	70-130	
sec-Butylbenzene	ug/L	10	8.9	89	70-130	
Styrene	ug/L	10	9.5	95	70-130	
tert-Butylbenzene	ug/L	10	8.9	89	70-130	
Tetrachloroethene	ug/L	10	7.7	77	70-130	
Toluene	ug/L	10	9.1	91	70-130	
Total Trihalomethanes (Calc.)	ug/L		36.5			
trans-1,2-Dichloroethene	ug/L	10	9.3	93	70-130	
trans-1,3-Dichloropropene	ug/L	10	8.6	86	70-130	
Trichloroethene	ug/L	10	9.3	93	70-130	
Trichlorofluoromethane	ug/L	10	9.8	98	70-130	
Vinyl chloride	ug/L	10	9.8	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			92	70-130	

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### QUALITY CONTROL DATA

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

SAMPLE DUPLICATE: 365449

Parameter	Units	7061256001 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	0.95	<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	0.62	0.63	2	20	
n-Butylbenzene	ug/L	<0.50	<0.50		20	
n-Propylbenzene	ug/L	<0.50	<0.50		20	

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### QUALITY CONTROL DATA

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

SAMPLE DUPLICATE: 365449

Parameter	Units	7061256001 Result	Dup Result	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	<0.50	<0.50		20	
p-Isopropyltoluene	ug/L	<0.50	<0.50		20	
sec-Butylbenzene	ug/L	<0.50	<0.50		20	
Styrene	ug/L	<0.50	<0.50		20	
tert-Butylbenzene	ug/L	<0.50	<0.50		20	
Tetrachloroethene	ug/L	<0.50	<0.50		20	
Toluene	ug/L	<0.50	<0.50		20	
Total Trihalomethanes (Calc.)	ug/L	<0.50	<0.50		20	
trans-1,2-Dichloroethene	ug/L	<0.50	<0.50		20	
trans-1,3-Dichloropropene	ug/L	<0.50	<0.50		20	
Trichloroethene	ug/L	<0.50	<0.50		20	
Trichlorofluoromethane	ug/L	<0.50	<0.50		20	
Vinyl chloride	ug/L	<0.50	<0.50		20	
1,2-Dichlorobenzene-d4 (S)	%	89	85	5	20	
4-Bromofluorobenzene (S)	%	91	93	2	20	

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### QUALITY CONTROL DATA

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

QC Batch: 78699

Analysis Method: EPA 522

QC Batch Method: EPA 522

Analysis Description: 522 MSS 1,4 Dioxane

Associated Lab Samples: 7060937004, 7060937005

METHOD BLANK: 361698

Matrix: Drinking Water

Associated Lab Samples: 7060937004, 7060937005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	<0.020	0.020	08/10/18 17:06	
1,4-Dioxane-d8 (S)	%	113	70-130	08/10/18 17:06	

LABORATORY CONTROL SAMPLE: 361699

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1.6	1.7	108	70-130	
1,4-Dioxane-d8 (S)	%			110	70-130	

MATRIX SPIKE SAMPLE: 361701

Parameter	Units	7060937004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.064	1.6	1.6	94	70-130	
1,4-Dioxane-d8 (S)	%				94	70-130	

SAMPLE DUPLICATE: 361702

Parameter	Units	7060937005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.073	0.089	20	20	
1,4-Dioxane-d8 (S)	%	92	100	9	20	

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### QUALITY CONTROL DATA

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

QC Batch: 469373

Analysis Method: EPA 218.7

QC Batch Method: EPA 218.7

Analysis Description: Chromium, Hexavalent IC

Associated Lab Samples: 7060937001, 7060937002, 7060937003, 7060937004, 7060937005, 7060937006, 7060937007, 7060937008, 7060937009, 7060937010, 7060937011

METHOD BLANK: 2537533

Matrix: Water

Associated Lab Samples: 7060937001, 7060937002, 7060937003, 7060937004, 7060937005, 7060937006, 7060937007, 7060937008, 7060937009, 7060937010, 7060937011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	ug/L	<0.025	0.025	08/14/18 18:34	N2

LABORATORY CONTROL SAMPLE: 2537534

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	ug/L	.075	0.075	100	85-115	N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2537535 2537536

Parameter	Units	7060937001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	ug/L	0.44	.15	.15	0.58	0.59	93	99	85-115	2	20	N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2537537 2537538

Parameter	Units	7060937011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	ug/L	0.38	.05	.05	0.42	0.42	93	82	85-115	1	20	M1,N2

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.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

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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.

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

TNI - The NELAC Institute.

### LABORATORIES

PACE-MV Pace Analytical Services - Melville

PASI-O Pace Analytical Services - Ormond Beach

### SAMPLE QUALIFIERS

Sample: 7060937003

[1] RUN TO WASTE

### ANALYTE QUALIFIERS

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

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

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: HEXCR/MN/1,4 DIOX/POC 8/8

Pace Project No.: 7060937

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7060937001	S-15687	EPA 200.7	78727		
7060937002	S-24848	EPA 200.7	78727		
7060937003	S-31636	EPA 200.7	78727		
7060937012	COMBINED EFFLUENT	EPA 200.7	78727		
7060937013	COMBINED DIST.	EPA 200.7	78727		
7060937004	S-50970	EPA 522	78699	EPA 522	78788
7060937005	S-74071	EPA 522	78699	EPA 522	78788
7060937011	S-127163	EPA 524.2	79214		
7060937001	S-15687	EPA 218.7	469373		
7060937002	S-24848	EPA 218.7	469373		
7060937003	S-31636	EPA 218.7	469373		
7060937004	S-50970	EPA 218.7	469373		
7060937005	S-74071	EPA 218.7	469373		
7060937006	S-58350	EPA 218.7	469373		
7060937007	S-58351	EPA 218.7	469373		
7060937008	S-58352	EPA 218.7	469373		
7060937009	S-108065	EPA 218.7	469373		
7060937010	S-108066	EPA 218.7	469373		
7060937011	S-127163	EPA 218.7	469373		

### REPORT OF LABORATORY ANALYSIS

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WO#: 7060937



7060937

'47

# Sample Request Form PUBLIC WATER SUPPLIER

WELL OFF LINE 1-3 blow off

Date: 8-8-18

Collected By: W. Booth

Accepted By: [Signature]

Cooler Temp: 24 °C

WELL RUN TO SYSTEM 1-1, 1-2, 2-1, 2-2, 3-1, 3-2, 3-3, 4-1, 4-2, 5-1

YES  NO VOC'S PRESERVED WITH HCl

Booth  
8/14/18  
15:50

### Client Info:

Name or Code: HAMPTON BAYS WATER DISTRICT

Address: P.O. BOX 1013  
HAMPTON BAYS, NEW YORK 11946  
(631) 728-0179

Phone #: \_\_\_\_\_

Attn: \_\_\_\_\_

Proj. # or (Name): \_\_\_\_\_

Bill To: \_\_\_\_\_

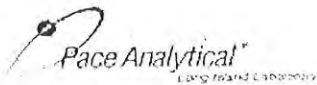
Copies To: \_\_\_\_\_

### Sample Info:

Sample Types	Purpose	Origin	Treatment Types
PW - Potable Water	RO - Routine	D - Distribution	AST - Air Stripper
GW - Groundwater	RE - Resample	RW - Raw Well	GAC - Granular Activated Charcoal
SW - Surface Water	S - Special	TW - Treated Well	N - Nitrate Removal Plant
WW - Waste Water		T - Tank	FE - Iron Removal Plant
AQ - Aqueous		MW - Monitoring Well	O - Other
S - Soil		I - Influent	
		E - Effluent	

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl <sub>2</sub> pH/Temp	Analysis	Lab No.
7:50 8-8-18	GW	Well 1-1	RW	-	RO	6.67 / 14.3°C	Hex. Chrom / MANGANESE	001
8:05 8-8-18	GW	Well 1-2	RW GW	-	RO	6.56 / 14.5°C	Hex. Chrom / MANGANESE	002
8:10 8-8-18	GW	Well 1-3	RW GW	-	RO	6.39 / 15.9°C	Hex. Chrom / MANGANESE	003
8:40 8-8-18	GW	Well 2-1	RW GW	-	RO	6.83 / 13.8°C	Hex. Chrom / 1-4 dioxine	004
8:55 8-8-18	GW	Well 2-2	RW GW	-	RO	6.79 / 15.5°C	Hex. Chrom / 1-4 dioxine	005
9:45 8-8-18	GW	Well 3-1	RW GW	-	RO	6.90 / 15.4°C	Hex. Chrom	006
9:35 8-8-18	GW	Well 3-2	RW GW	-	RO	6.88 / 20.8°C	Hex. Chrom	007
9:55 8-8-18	GW	Well 3-3	RW GW	-	RO	6.76 / 14.1°C	Hex. Chrom	008
9:20 8-8-18	GW	Well 4-1	RW GW	-	RO	6.69 / 13.9°C	Hex. Chrom	009
9:35 8-8-18	GW	Well 4-2	RW GW	-	RO	6.68 / 14.1°C	Hex. Chrom	010
10:10 8-8-18	GW	Well 5-1	RW GW	-	RO	6.75 / 17.9°C	Hex. Chrom / POC	011
Remarks: 7:20 8-8-18	GW	COMBINED EFFLUENT	RW	-	RO	1.16	MANGANESE	012
8:20 8-8-18	PW	COMBINED DIST.	b	-	RO	6.66 / 15.8°C	MANGANESE	013





# Sample Condition Upon Receipt

Client Name: HBW

Projec **WO#: 7060937**  
 PM: SWM Due Date: 08/16/18  
 CLIENT: HBW

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #: \_\_\_\_\_  
 Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: TH091 Correction Factor: 0.0

Cooler Temperature (°C): 2.4 Cooler Temperature Corrected (°C): 2.4

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

Date and Initials of person examining contents: JK 8/18/18

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 (internationally, including Hawaii and Puerto Rico)?  Yes  No

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

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for 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 SL WT OIL		
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>HC739245</u>		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water), Per Method, VOA pH is checked after analysis		Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #		
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_