

June 26, 2018

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

RE: Project: IOC/POC 6/13  
Pace Project No.: 7054829

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 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,



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: IOC/POC 6/13

Pace Project No.: 7054829

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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: IOC/POC 6/13

Pace Project No.: 7054829

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7054829001	S-50970	Drinking Water	06/13/18 05:55	06/13/18 17:00
7054829002	S-74071	Drinking Water	06/13/18 06:03	06/13/18 17:00
7054829003	S-58350	Drinking Water	06/13/18 07:15	06/13/18 17:00
7054829004	S-58351	Drinking Water	06/13/18 06:50	06/13/18 17:00
7054829005	S-58352	Drinking Water	06/13/18 07:00	06/13/18 17:00
7054829006	S-108065	Drinking Water	06/13/18 07:35	06/13/18 17:00
7054829007	S-108066	Drinking Water	06/13/18 07:45	06/13/18 17:00
7054829008	S-127163	Drinking Water	06/13/18 06:20	06/13/18 17:00
7054829009	S-127163	Drinking Water	06/13/18 06:20	06/13/18 17:00

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### SAMPLE ANALYTE COUNT

Project: IOC/POC 6/13

Pace Project No.: 7054829

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7054829001	S-50970	EPA 200.7	AKS	5
		EPA 200.8	SK2	12
		SM22 2120B	NTG	2
		SM22 2150B	DJS	1
		SM22 2510B	ML	1
		SM22 5540C	BP1	2
		EPA 300.0	BNK	2
		EPA 353.2	SDO	2
		EPA 353.2	SDO	1
		SM22 4500-CN-E	JS3	1
		SM22 4500-CI-E	BNK	1
		SM22 4500 NH3 H	BNK	1
		7054829002	S-74071	EPA 200.7
EPA 200.8	SK2			12
SM22 2120B	NTG			2
SM22 2150B	DJS			1
SM22 2510B	ML			1
SM22 5540C	BP1			2
EPA 300.0	BNK			2
EPA 353.2	SDO			2
EPA 353.2	SDO			1
SM22 4500-CN-E	JS3			1
SM22 4500-CI-E	BNK			1
SM22 4500 NH3 H	BNK			1
7054829003	S-58350			EPA 200.7
		EPA 200.8	SK2	12
		SM22 2120B	NTG	2
		SM22 2150B	DJS	1
		SM22 2510B	ML	1
		SM22 5540C	BP1	2
		EPA 300.0	BNK	2
		EPA 353.2	SDO	2
		EPA 353.2	SDO	1
		SM22 4500-CN-E	JS3	1
		SM22 4500-CI-E	BNK	1
		SM22 4500 NH3 H	BNK	1
		7054829004	S-58351	EPA 200.7

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### SAMPLE ANALYTE COUNT

Project: IOC/POC 6/13

Pace Project No.: 7054829

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 200.8	SK2	12
		SM22 2120B	NTG	2
		SM22 2150B	DJS	1
		SM22 2510B	ML	1
		SM22 5540C	BP1	2
		EPA 300.0	BNK	2
		EPA 353.2	SDO	2
		EPA 353.2	SDO	1
		SM22 4500-CN-E	JS3	1
		SM22 4500-CI-E	BNK	1
		SM22 4500 NH3 H	BNK	1
<b>7054829005</b>	<b>S-58352</b>	EPA 200.7	AKS	5
		EPA 200.8	SK2	12
		SM22 2120B	NTG	2
		SM22 2150B	DJS	1
		SM22 2510B	ML	1
		SM22 5540C	BP1	2
		EPA 300.0	BNK	2
		EPA 353.2	SDO	2
		EPA 353.2	SDO	1
		SM22 4500-CN-E	JS3	1
		SM22 4500-CI-E	BNK	1
		SM22 4500 NH3 H	BNK	1
<b>7054829006</b>	<b>S-108065</b>	EPA 200.7	AKS	5
		EPA 200.8	SK2	12
		SM22 2120B	NTG	2
		SM22 2150B	DJS	1
		SM22 2510B	ML	1
		SM22 5540C	BP1	2
		EPA 300.0	BNK	2
		EPA 353.2	SDO	2
		EPA 353.2	SDO	1
		SM22 4500-CN-E	JS3	1
		SM22 4500-CI-E	BNK	1
		SM22 4500 NH3 H	BNK	1
<b>7054829007</b>	<b>S-108066</b>	EPA 200.7	AKS	5
		EPA 200.8	SK2	12

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### SAMPLE ANALYTE COUNT

Project: IOC/POC 6/13

Pace Project No.: 7054829

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM22 2120B	NTG	2
		SM22 2150B	DJS	1
		SM22 2510B	ML	1
		SM22 5540C	BP1	2
		EPA 300.0	BNK	2
		EPA 353.2	SDO	2
		EPA 353.2	SDO	1
		SM22 4500-CN-E	JS3	1
		SM22 4500-CI-E	BNK	1
		SM22 4500 NH3 H	BNK	1
<b>7054829008</b>	<b>S-127163</b>	EPA 200.7	AKS	5
		EPA 200.8	SK2	12
		SM22 2120B	NTG	2
		SM22 2150B	DJS	1
		SM22 2510B	ML	1
		SM22 5540C	BP1	2
		EPA 300.0	BNK	2
		EPA 353.2	SDO	2
		EPA 353.2	SDO	1
		SM22 4500-CN-E	JS3	1
		SM22 4500-CI-E	BNK	1
		SM22 4500 NH3 H	BNK	1
<b>7054829009</b>	<b>S-127163</b>	EPA 524.2	KGG	62

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

Sample: S-50970		Lab ID: 7054829001		Collected: 06/13/18 05:55	Received: 06/13/18 17:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>Field Chlorine and pH</b>		Analytical Method:								
Field Temperature	13.6	deg C			1		06/13/18 05:55		N3	
Field pH	6.31	Std. Units			1		06/13/18 05:55		N3	
<b>200.7 MET ICP, Drinking Water</b>		Analytical Method: EPA 200.7								
Ca Hardness as CaCO3 (SM 2340B)	30.2	mg/L	0.50		1		06/14/18 15:52			
Iron	<0.020	mg/L	0.020		1		06/14/18 15:52	7439-89-6		
Manganese	<0.010	mg/L	0.010		1		06/14/18 15:52	7439-96-5		
Sodium	19.6	mg/L	0.20		1		06/14/18 15:52	7440-23-5		
Zinc	<0.020	mg/L	0.020		1		06/14/18 15:52	7440-66-6		
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8								
Antimony	<0.40	ug/L	0.40		1		06/14/18 16:13	7440-36-0		
Arsenic	<1.0	ug/L	1.0		1		06/14/18 16:13	7440-38-2		
Barium	0.025	mg/L	0.0020		1		06/14/18 16:13	7440-39-3		
Beryllium	<0.30	ug/L	0.30		1		06/14/18 16:13	7440-41-7		
Cadmium	<1.0	ug/L	1.0		1		06/14/18 16:13	7440-43-9		
Chromium	<0.0070	mg/L	0.0070		1		06/14/18 16:13	7440-47-3		
Lead	<1.0	ug/L	1.0		1		06/14/18 16:13	7439-92-1		
Mercury	<0.20	ug/L	0.20		1		06/14/18 16:13	7439-97-6		
Nickel	<0.00050	mg/L	0.00050		1		06/14/18 16:13	7440-02-0		
Selenium	<2.0	ug/L	2.0		1		06/14/18 16:13	7782-49-2		
Silver	<0.0010	mg/L	0.0010		1		06/14/18 16:13	7440-22-4		
Thallium	<0.30	ug/L	0.30		1		06/14/18 16:13	7440-28-0		
<b>2120B W Apparent Color</b>		Analytical Method: SM22 2120B								
Apparent Color	<5.0	units	5.0		1		06/13/18 22:26			
pH	7.0	Std. Units	0.10		1		06/13/18 22:26			
<b>2150B Threshold Odor Number</b>		Analytical Method: SM22 2150B								
Odor @ 60 Degrees C	No odor observed		1.0		1		06/14/18 06:37		H1	
<b>2510B Specific Conductance</b>		Analytical Method: SM22 2510B								
Specific Conductance	234	umhos/cm	1.0		1		06/17/18 11:15			
<b>5540C MBAS Surfactants</b>		Analytical Method: SM22 5540C Preparation Method: SM22 5540C								
LAS Molecular Weight, g/mol	320				1	06/14/18 09:09	06/14/18 18:44			
MBAS, Calculated as LAS	<0.080	mg/L	0.080		1	06/14/18 09:09	06/14/18 18:44			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Fluoride	<0.10	mg/L	0.10		1		06/21/18 00:20	16984-48-8		
Sulfate	10.6	mg/L	5.0		1		06/21/18 00:20	14808-79-8		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

Sample: S-50970		Lab ID: 7054829001		Collected: 06/13/18 05:55	Received: 06/13/18 17:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2							
Nitrate as N	3.1	mg/L	0.50		10		06/13/18 21:02	14797-55-8	
Nitrate-Nitrite (as N)	3.1	mg/L	0.50		10		06/13/18 21:02	7727-37-9	
<b>353.2 Nitrogen, NO2</b>		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050		1		06/13/18 18:58	14797-65-0	M1
<b>SM 4500 CNE Cyanide, Total</b>		Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	<10.0	ug/L	10.0		1	06/20/18 09:21	06/20/18 14:02	57-12-5	
<b>4500 Chloride</b>		Analytical Method: SM22 4500-Cl-E							
Chloride	37.8	mg/L	2.0		1		06/18/18 14:51	16887-00-6	
<b>4500 Ammonia Water</b>		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<0.10	mg/L	0.10		1		06/20/18 15:25	7664-41-7	

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## ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

**Sample: S-74071**      **Lab ID: 7054829002**      Collected: 06/13/18 06:03      Received: 06/13/18 17:00      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Chlorine and pH</b>									
Analytical Method:									
Field Temperature	13.5	deg C			1		06/13/18 06:03		N3
Field pH	6.58	Std. Units			1		06/13/18 06:03		N3
<b>200.7 MET ICP, Drinking Water</b>									
Analytical Method: EPA 200.7									
Ca Hardness as CaCO3 (SM 2340B)	59.2	mg/L	0.50		1		06/14/18 15:53		
Iron	<0.020	mg/L	0.020		1		06/14/18 15:53	7439-89-6	
Manganese	0.018	mg/L	0.010		1		06/14/18 15:53	7439-96-5	
Sodium	33.2	mg/L	0.20		1		06/14/18 15:53	7440-23-5	
Zinc	0.089	mg/L	0.020		1		06/14/18 15:53	7440-66-6	
<b>200.8 MET ICPMS Drinking Water</b>									
Analytical Method: EPA 200.8									
Antimony	<0.40	ug/L	0.40		1		06/14/18 16:16	7440-36-0	
Arsenic	<1.0	ug/L	1.0		1		06/14/18 16:16	7440-38-2	
Barium	0.042	mg/L	0.0020		1		06/14/18 16:16	7440-39-3	
Beryllium	<0.30	ug/L	0.30		1		06/14/18 16:16	7440-41-7	
Cadmium	<1.0	ug/L	1.0		1		06/14/18 16:16	7440-43-9	
Chromium	<0.0070	mg/L	0.0070		1		06/14/18 16:16	7440-47-3	
Lead	3.6	ug/L	1.0		1		06/14/18 16:16	7439-92-1	
Mercury	<0.20	ug/L	0.20		1		06/14/18 16:16	7439-97-6	
Nickel	0.0032	mg/L	0.00050		1		06/14/18 16:16	7440-02-0	
Selenium	<2.0	ug/L	2.0		1		06/14/18 16:16	7782-49-2	
Silver	<0.0010	mg/L	0.0010		1		06/14/18 16:16	7440-22-4	
Thallium	<0.30	ug/L	0.30		1		06/14/18 16:16	7440-28-0	
<b>2120B W Apparent Color</b>									
Analytical Method: SM22 2120B									
Apparent Color	<5.0	units	5.0		1		06/13/18 22:26		
pH	7.0	Std. Units	0.10		1		06/13/18 22:26		
<b>2150B Threshold Odor Number</b>									
Analytical Method: SM22 2150B									
Odor @ 60 Degrees C	No odor observed		1.0		1		06/14/18 06:37		H1
<b>2510B Specific Conductance</b>									
Analytical Method: SM22 2510B									
Specific Conductance	396	umhos/cm	1.0		1		06/17/18 11:15		
<b>5540C MBAS Surfactants</b>									
Analytical Method: SM22 5540C      Preparation Method: SM22 5540C									
LAS Molecular Weight, g/mol	320				1	06/14/18 09:09	06/14/18 18:45		
MBAS, Calculated as LAS	<0.080	mg/L	0.080		1	06/14/18 09:09	06/14/18 18:45		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0									
Fluoride	<0.10	mg/L	0.10		1		06/21/18 00:37	16984-48-8	
Sulfate	10.9	mg/L	5.0		1		06/21/18 00:37	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

Sample: S-74071		Lab ID: 7054829002		Collected: 06/13/18 06:03	Received: 06/13/18 17:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2							
Nitrate as N	2.7	mg/L	0.50		10		06/13/18 21:06	14797-55-8	
Nitrate-Nitrite (as N)	2.7	mg/L	0.50		10		06/13/18 21:06	7727-37-9	
<b>353.2 Nitrogen, NO2</b>		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050		1		06/13/18 19:04	14797-65-0	
<b>SM 4500 CNE Cyanide, Total</b>		Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	<10.0	ug/L	10.0		1	06/20/18 09:21	06/20/18 14:02	57-12-5	
<b>4500 Chloride</b>		Analytical Method: SM22 4500-Cl-E							
Chloride	81.3	mg/L	2.0		1		06/18/18 14:52	16887-00-6	
<b>4500 Ammonia Water</b>		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<0.10	mg/L	0.10		1		06/20/18 15:26	7664-41-7	

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## ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

**Sample: S-58350**      **Lab ID: 7054829003**      Collected: 06/13/18 07:15      Received: 06/13/18 17:00      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Chlorine and pH</b>									
Analytical Method:									
Field Temperature	14.6	deg C			1		06/13/18 07:15		N3
Field pH	6.42	Std. Units			1		06/13/18 07:15		N3
<b>200.7 MET ICP, Drinking Water</b>									
Analytical Method: EPA 200.7									
Ca Hardness as CaCO <sub>3</sub> (SM 2340B)	15.5	mg/L	0.50		1		06/14/18 15:54		
Iron	<0.020	mg/L	0.020		1		06/14/18 15:54	7439-89-6	
Manganese	<0.010	mg/L	0.010		1		06/14/18 15:54	7439-96-5	
Sodium	25.1	mg/L	0.20		1		06/14/18 15:54	7440-23-5	
Zinc	<0.020	mg/L	0.020		1		06/14/18 15:54	7440-66-6	
<b>200.8 MET ICPMS Drinking Water</b>									
Analytical Method: EPA 200.8									
Antimony	<0.40	ug/L	0.40		1		06/14/18 16:19	7440-36-0	
Arsenic	<1.0	ug/L	1.0		1		06/14/18 16:19	7440-38-2	
Barium	0.014	mg/L	0.0020		1		06/14/18 16:19	7440-39-3	
Beryllium	<0.30	ug/L	0.30		1		06/14/18 16:19	7440-41-7	
Cadmium	<1.0	ug/L	1.0		1		06/14/18 16:19	7440-43-9	
Chromium	<0.0070	mg/L	0.0070		1		06/14/18 16:19	7440-47-3	
Lead	<1.0	ug/L	1.0		1		06/14/18 16:19	7439-92-1	
Mercury	<0.20	ug/L	0.20		1		06/14/18 16:19	7439-97-6	
Nickel	<0.00050	mg/L	0.00050		1		06/14/18 16:19	7440-02-0	
Selenium	<2.0	ug/L	2.0		1		06/14/18 16:19	7782-49-2	
Silver	<0.0010	mg/L	0.0010		1		06/14/18 16:19	7440-22-4	
Thallium	<0.30	ug/L	0.30		1		06/14/18 16:19	7440-28-0	
<b>2120B W Apparent Color</b>									
Analytical Method: SM22 2120B									
Apparent Color	<5.0	units	5.0		1		06/13/18 22:26		
pH	7.0	Std. Units	0.10		1		06/13/18 22:26		
<b>2150B Threshold Odor Number</b>									
Analytical Method: SM22 2150B									
Odor @ 60 Degrees C	<b>No odor observed</b>		1.0		1		06/14/18 06:38		
<b>2510B Specific Conductance</b>									
Analytical Method: SM22 2510B									
Specific Conductance	202	umhos/cm	1.0		1		06/17/18 11:17		
<b>5540C MBAS Surfactants</b>									
Analytical Method: SM22 5540C      Preparation Method: SM22 5540C									
LAS Molecular Weight, g/mol	320				1	06/14/18 09:09	06/14/18 18:45		
MBAS, Calculated as LAS	<0.080	mg/L	0.080		1	06/14/18 09:09	06/14/18 18:45		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0									
Fluoride	<0.10	mg/L	0.10		1		06/21/18 00:54	16984-48-8	
Sulfate	6.4	mg/L	5.0		1		06/21/18 00:54	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

Sample: S-58350		Lab ID: 7054829003		Collected: 06/13/18 07:15	Received: 06/13/18 17:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2							
Nitrate as N	<b>0.12</b>	mg/L	0.050		1		06/13/18 21:07	14797-55-8	
Nitrate-Nitrite (as N)	<b>0.12</b>	mg/L	0.050		1		06/13/18 21:07	7727-37-9	
<b>353.2 Nitrogen, NO2</b>		Analytical Method: EPA 353.2							
Nitrite as N	<b>&lt;0.050</b>	mg/L	0.050		1		06/13/18 19:05	14797-65-0	
<b>SM 4500 CNE Cyanide, Total</b>		Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	<b>&lt;10.0</b>	ug/L	10.0		1	06/20/18 09:21	06/20/18 14:02	57-12-5	
<b>4500 Chloride</b>		Analytical Method: SM22 4500-Cl-E							
Chloride	<b>47.0</b>	mg/L	2.0		1		06/18/18 14:52	16887-00-6	
<b>4500 Ammonia Water</b>		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<b>&lt;0.10</b>	mg/L	0.10		1		06/20/18 15:27	7664-41-7	

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### ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

**Sample: S-58351**      **Lab ID: 7054829004**      Collected: 06/13/18 06:50      Received: 06/13/18 17:00      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Chlorine and pH</b> Analytical Method:									
Field Temperature	13.5	deg C			1		06/13/18 06:50		N3
Field pH	6.42	Std. Units			1		06/13/18 06:50		N3
<b>200.7 MET ICP, Drinking Water</b> Analytical Method: EPA 200.7									
Ca Hardness as CaCO3 (SM 2340B)	16.7	mg/L	0.50		1		06/14/18 15:55		
Iron	<0.020	mg/L	0.020		1		06/14/18 15:55	7439-89-6	
Manganese	0.031	mg/L	0.010		1		06/14/18 15:55	7439-96-5	
Sodium	24.3	mg/L	0.20		1		06/14/18 15:55	7440-23-5	
Zinc	<0.020	mg/L	0.020		1		06/14/18 15:55	7440-66-6	
<b>200.8 MET ICPMS Drinking Water</b> Analytical Method: EPA 200.8									
Antimony	<0.40	ug/L	0.40		1		06/14/18 16:22	7440-36-0	
Arsenic	<1.0	ug/L	1.0		1		06/14/18 16:22	7440-38-2	
Barium	0.021	mg/L	0.0020		1		06/14/18 16:22	7440-39-3	
Beryllium	<0.30	ug/L	0.30		1		06/14/18 16:22	7440-41-7	
Cadmium	<1.0	ug/L	1.0		1		06/14/18 16:22	7440-43-9	
Chromium	<0.0070	mg/L	0.0070		1		06/14/18 16:22	7440-47-3	
Lead	<1.0	ug/L	1.0		1		06/14/18 16:22	7439-92-1	
Mercury	<0.20	ug/L	0.20		1		06/14/18 16:22	7439-97-6	
Nickel	<0.00050	mg/L	0.00050		1		06/14/18 16:22	7440-02-0	
Selenium	<2.0	ug/L	2.0		1		06/14/18 16:22	7782-49-2	
Silver	<0.0010	mg/L	0.0010		1		06/14/18 16:22	7440-22-4	
Thallium	<0.30	ug/L	0.30		1		06/14/18 16:22	7440-28-0	
<b>2120B W Apparent Color</b> Analytical Method: SM22 2120B									
Apparent Color	<5.0	units	5.0		1		06/13/18 22:26		
pH	7.0	Std. Units	0.10		1		06/13/18 22:26		
<b>2150B Threshold Odor Number</b> Analytical Method: SM22 2150B									
Odor @ 60 Degrees C	<b>No odor observed</b>		1.0		1		06/14/18 06:38		
<b>2510B Specific Conductance</b> Analytical Method: SM22 2510B									
Specific Conductance	202	umhos/cm	1.0		1		06/17/18 11:18		
<b>5540C MBAS Surfactants</b> Analytical Method: SM22 5540C      Preparation Method: SM22 5540C									
LAS Molecular Weight, g/mol	320				1	06/14/18 09:09	06/14/18 18:45		
MBAS, Calculated as LAS	<0.080	mg/L	0.080		1	06/14/18 09:09	06/14/18 18:45		
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Fluoride	<0.10	mg/L	0.10		1		06/21/18 01:10	16984-48-8	
Sulfate	6.5	mg/L	5.0		1		06/21/18 01:10	14808-79-8	

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### ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

Sample: S-58351		Lab ID: 7054829004		Collected: 06/13/18 06:50	Received: 06/13/18 17:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2							
Nitrate as N	<b>0.39</b>	mg/L	0.050		1		06/13/18 21:10	14797-55-8	
Nitrate-Nitrite (as N)	<b>0.39</b>	mg/L	0.050		1		06/13/18 21:10	7727-37-9	
<b>353.2 Nitrogen, NO2</b>		Analytical Method: EPA 353.2							
Nitrite as N	<b>&lt;0.050</b>	mg/L	0.050		1		06/13/18 19:07	14797-65-0	
<b>SM 4500 CNE Cyanide, Total</b>		Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	<b>&lt;10.0</b>	ug/L	10.0		1	06/20/18 09:21	06/20/18 14:02	57-12-5	
<b>4500 Chloride</b>		Analytical Method: SM22 4500-Cl-E							
Chloride	<b>43.0</b>	mg/L	2.0		1		06/18/18 14:53	16887-00-6	
<b>4500 Ammonia Water</b>		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<b>&lt;0.10</b>	mg/L	0.10		1		06/20/18 15:28	7664-41-7	

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## ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

Sample: S-58352		Lab ID: 7054829005		Collected: 06/13/18 07:00	Received: 06/13/18 17:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>Field Chlorine and pH</b>		Analytical Method:								
Field Temperature	13.8	deg C			1		06/13/18 07:00		N3	
Field pH	6.10	Std. Units			1		06/13/18 07:00		N3	
<b>200.7 MET ICP, Drinking Water</b>		Analytical Method: EPA 200.7								
Ca Hardness as CaCO3 (SM 2340B)	11.7	mg/L	0.50		1		06/14/18 15:56			
Iron	<0.020	mg/L	0.020		1		06/14/18 15:56	7439-89-6		
Manganese	<0.010	mg/L	0.010		1		06/14/18 15:56	7439-96-5		
Sodium	29.6	mg/L	0.20		1		06/14/18 15:56	7440-23-5		
Zinc	<0.020	mg/L	0.020		1		06/14/18 15:56	7440-66-6		
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8								
Antimony	<0.40	ug/L	0.40		1		06/14/18 16:25	7440-36-0		
Arsenic	<1.0	ug/L	1.0		1		06/14/18 16:25	7440-38-2		
Barium	0.025	mg/L	0.0020		1		06/14/18 16:25	7440-39-3		
Beryllium	<0.30	ug/L	0.30		1		06/14/18 16:25	7440-41-7		
Cadmium	<1.0	ug/L	1.0		1		06/14/18 16:25	7440-43-9		
Chromium	<0.0070	mg/L	0.0070		1		06/14/18 16:25	7440-47-3		
Lead	<1.0	ug/L	1.0		1		06/14/18 16:25	7439-92-1		
Mercury	<0.20	ug/L	0.20		1		06/14/18 16:25	7439-97-6		
Nickel	<0.00050	mg/L	0.00050		1		06/14/18 16:25	7440-02-0		
Selenium	<2.0	ug/L	2.0		1		06/14/18 16:25	7782-49-2		
Silver	<0.0010	mg/L	0.0010		1		06/14/18 16:25	7440-22-4		
Thallium	<0.30	ug/L	0.30		1		06/14/18 16:25	7440-28-0		
<b>2120B W Apparent Color</b>		Analytical Method: SM22 2120B								
Apparent Color	<5.0	units	5.0		1		06/13/18 22:26			
pH	7.0	Std. Units	0.10		1		06/13/18 22:26			
<b>2150B Threshold Odor Number</b>		Analytical Method: SM22 2150B								
Odor @ 60 Degrees C	<b>No odor observed</b>		1.0		1		06/14/18 06:38			
<b>2510B Specific Conductance</b>		Analytical Method: SM22 2510B								
Specific Conductance	218	umhos/cm	1.0		1		06/17/18 11:19			
<b>5540C MBAS Surfactants</b>		Analytical Method: SM22 5540C Preparation Method: SM22 5540C								
LAS Molecular Weight, g/mol	320				1	06/14/18 09:09	06/14/18 18:45			
MBAS, Calculated as LAS	<0.080	mg/L	0.080		1	06/14/18 09:09	06/14/18 18:45			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Fluoride	<0.10	mg/L	0.10		1		06/21/18 01:27	16984-48-8		
Sulfate	6.8	mg/L	5.0		1		06/21/18 01:27	14808-79-8		

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### ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

Sample: S-58352		Lab ID: 7054829005		Collected: 06/13/18 07:00	Received: 06/13/18 17:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2							
Nitrate as N	<b>0.36</b>	mg/L	0.050		1		06/13/18 21:12	14797-55-8	
Nitrate-Nitrite (as N)	<b>0.36</b>	mg/L	0.050		1		06/13/18 21:12	7727-37-9	
<b>353.2 Nitrogen, NO2</b>		Analytical Method: EPA 353.2							
Nitrite as N	<b>&lt;0.050</b>	mg/L	0.050		1		06/13/18 19:08	14797-65-0	
<b>SM 4500 CNE Cyanide, Total</b>		Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	<b>&lt;10.0</b>	ug/L	10.0		1	06/21/18 10:32	06/21/18 15:18	57-12-5	
<b>4500 Chloride</b>		Analytical Method: SM22 4500-Cl-E							
Chloride	<b>53.8</b>	mg/L	2.0		1		06/18/18 14:54	16887-00-6	
<b>4500 Ammonia Water</b>		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<b>&lt;0.10</b>	mg/L	0.10		1		06/20/18 15:30	7664-41-7	

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## ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

Sample: S-108065		Lab ID: 7054829006		Collected: 06/13/18 07:35	Received: 06/13/18 17:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Chlorine and pH</b>									
Analytical Method:									
Field Temperature	13.3	deg C			1		06/13/18 07:35		N3
Field pH	6.26	Std. Units			1		06/13/18 07:35		N3
<b>200.7 MET ICP, Drinking Water</b>									
Analytical Method: EPA 200.7									
Ca Hardness as CaCO3 (SM 2340B)	6.8	mg/L	0.50		1		06/14/18 15:58		
Iron	0.83	mg/L	0.020		1		06/14/18 15:58	7439-89-6	
Manganese	0.14	mg/L	0.010		1		06/14/18 15:58	7439-96-5	
Sodium	8.4	mg/L	0.20		1		06/14/18 15:58	7440-23-5	
Zinc	<0.020	mg/L	0.020		1		06/14/18 15:58	7440-66-6	
<b>200.8 MET ICPMS Drinking Water</b>									
Analytical Method: EPA 200.8									
Antimony	<0.40	ug/L	0.40		1		06/14/18 16:28	7440-36-0	
Arsenic	<1.0	ug/L	1.0		1		06/14/18 16:28	7440-38-2	
Barium	0.023	mg/L	0.0020		1		06/14/18 16:28	7440-39-3	
Beryllium	<0.30	ug/L	0.30		1		06/14/18 16:28	7440-41-7	
Cadmium	<1.0	ug/L	1.0		1		06/14/18 16:28	7440-43-9	
Chromium	<0.0070	mg/L	0.0070		1		06/14/18 16:28	7440-47-3	
Lead	<1.0	ug/L	1.0		1		06/14/18 16:28	7439-92-1	
Mercury	<0.20	ug/L	0.20		1		06/14/18 16:28	7439-97-6	
Nickel	0.0014	mg/L	0.00050		1		06/14/18 16:28	7440-02-0	
Selenium	<2.0	ug/L	2.0		1		06/14/18 16:28	7782-49-2	
Silver	<0.0010	mg/L	0.0010		1		06/14/18 16:28	7440-22-4	
Thallium	<0.30	ug/L	0.30		1		06/14/18 16:28	7440-28-0	
<b>2120B W Apparent Color</b>									
Analytical Method: SM22 2120B									
Apparent Color	<5.0	units	5.0		1		06/13/18 22:26		
pH	7.0	Std. Units	0.10		1		06/13/18 22:26		
<b>2150B Threshold Odor Number</b>									
Analytical Method: SM22 2150B									
Odor @ 60 Degrees C	<b>No odor observed</b>		1.0		1		06/14/18 06:38		
<b>2510B Specific Conductance</b>									
Analytical Method: SM22 2510B									
Specific Conductance	83.0	umhos/cm	1.0		1		06/17/18 11:19		
<b>5540C MBAS Surfactants</b>									
Analytical Method: SM22 5540C Preparation Method: SM22 5540C									
LAS Molecular Weight, g/mol	320				1	06/14/18 09:09	06/14/18 18:45		
MBAS, Calculated as LAS	<0.080	mg/L	0.080		1	06/14/18 09:09	06/14/18 18:45		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0									
Fluoride	<0.10	mg/L	0.10		1		06/21/18 01:44	16984-48-8	
Sulfate	5.6	mg/L	5.0		1		06/21/18 01:44	14808-79-8	

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### ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

Sample: S-108065		Lab ID: 7054829006		Collected: 06/13/18 07:35	Received: 06/13/18 17:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2							
Nitrate as N	<b>0.058</b>	mg/L	0.050		1		06/13/18 21:13	14797-55-8	
Nitrate-Nitrite (as N)	<b>0.058</b>	mg/L	0.050		1		06/13/18 21:13	7727-37-9	
<b>353.2 Nitrogen, NO2</b>		Analytical Method: EPA 353.2							
Nitrite as N	<b>&lt;0.050</b>	mg/L	0.050		1		06/13/18 19:09	14797-65-0	
<b>SM 4500 CNE Cyanide, Total</b>		Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	<b>&lt;10.0</b>	ug/L	10.0		1	06/21/18 10:32	06/21/18 15:18	57-12-5	
<b>4500 Chloride</b>		Analytical Method: SM22 4500-Cl-E							
Chloride	<b>12.4</b>	mg/L	2.0		1		06/18/18 14:54	16887-00-6	
<b>4500 Ammonia Water</b>		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<b>&lt;0.10</b>	mg/L	0.10		1		06/20/18 15:31	7664-41-7	

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## ANALYTICAL RESULTS

Project: IOC/POC 6/13  
Pace Project No.: 7054829

Sample: S-108066		Lab ID: 7054829007		Collected: 06/13/18 07:45	Received: 06/13/18 17:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>Field Chlorine and pH</b>		Analytical Method:								
Field Temperature	13.8	deg C			1		06/13/18 07:45		N3	
Field pH	6.08	Std. Units			1		06/13/18 07:45		N3	
<b>200.7 MET ICP, Drinking Water</b>		Analytical Method: EPA 200.7								
Ca Hardness as CaCO3 (SM 2340B)	6.6	mg/L	0.50		1		06/14/18 15:59			
Iron	0.86	mg/L	0.020		1		06/14/18 15:59	7439-89-6		
Manganese	0.10	mg/L	0.010		1		06/14/18 15:59	7439-96-5		
Sodium	9.9	mg/L	0.20		1		06/14/18 15:59	7440-23-5		
Zinc	<0.020	mg/L	0.020		1		06/14/18 15:59	7440-66-6		
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8								
Antimony	<0.40	ug/L	0.40		1		06/14/18 16:31	7440-36-0		
Arsenic	<1.0	ug/L	1.0		1		06/14/18 16:31	7440-38-2		
Barium	0.024	mg/L	0.0020		1		06/14/18 16:31	7440-39-3		
Beryllium	<0.30	ug/L	0.30		1		06/14/18 16:31	7440-41-7		
Cadmium	<1.0	ug/L	1.0		1		06/14/18 16:31	7440-43-9		
Chromium	<0.0070	mg/L	0.0070		1		06/14/18 16:31	7440-47-3		
Lead	<1.0	ug/L	1.0		1		06/14/18 16:31	7439-92-1		
Mercury	<0.20	ug/L	0.20		1		06/14/18 16:31	7439-97-6		
Nickel	<0.00050	mg/L	0.00050		1		06/14/18 16:31	7440-02-0		
Selenium	<2.0	ug/L	2.0		1		06/14/18 16:31	7782-49-2		
Silver	<0.0010	mg/L	0.0010		1		06/14/18 16:31	7440-22-4		
Thallium	<0.30	ug/L	0.30		1		06/14/18 16:31	7440-28-0		
<b>2120B W Apparent Color</b>		Analytical Method: SM22 2120B								
Apparent Color	<5.0	units	5.0		1		06/13/18 22:28			
pH	6.0	Std. Units	0.10		1		06/13/18 22:28			
<b>2150B Threshold Odor Number</b>		Analytical Method: SM22 2150B								
Odor @ 60 Degrees C	<b>No odor observed</b>		1.0		1		06/14/18 06:38			
<b>2510B Specific Conductance</b>		Analytical Method: SM22 2510B								
Specific Conductance	92.8	umhos/cm	1.0		1		06/17/18 11:20			
<b>5540C MBAS Surfactants</b>		Analytical Method: SM22 5540C Preparation Method: SM22 5540C								
LAS Molecular Weight, g/mol	320				1	06/14/18 09:09	06/14/18 18:46			
MBAS, Calculated as LAS	<0.080	mg/L	0.080		1	06/14/18 09:09	06/14/18 18:46			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0								
Fluoride	<0.10	mg/L	0.10		1		06/21/18 02:00	16984-48-8		
Sulfate	6.1	mg/L	5.0		1		06/21/18 02:00	14808-79-8		

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### ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

Sample: S-108066		Lab ID: 7054829007		Collected: 06/13/18 07:45	Received: 06/13/18 17:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2							
Nitrate as N	<b>0.14</b>	mg/L	0.050		1		06/13/18 21:14	14797-55-8	
Nitrate-Nitrite (as N)	<b>0.14</b>	mg/L	0.050		1		06/13/18 21:14	7727-37-9	
<b>353.2 Nitrogen, NO2</b>		Analytical Method: EPA 353.2							
Nitrite as N	<b>&lt;0.050</b>	mg/L	0.050		1		06/13/18 19:10	14797-65-0	
<b>SM 4500 CNE Cyanide, Total</b>		Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	<b>&lt;10.0</b>	ug/L	10.0		1	06/21/18 10:32	06/21/18 15:18	57-12-5	
<b>4500 Chloride</b>		Analytical Method: SM22 4500-Cl-E							
Chloride	<b>14.3</b>	mg/L	2.0		1		06/18/18 14:55	16887-00-6	
<b>4500 Ammonia Water</b>		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<b>0.13</b>	mg/L	0.10		1		06/20/18 15:32	7664-41-7	

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### ANALYTICAL RESULTS

Project: IOC/POC 6/13  
Pace Project No.: 7054829

Sample: S-127163      Lab ID: 7054829008      Collected: 06/13/18 06:20      Received: 06/13/18 17:00      Matrix: Drinking Water									
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Chlorine and pH</b> Analytical Method:									
Field Temperature	13.3	deg C			1		06/13/18 06:20		N3
Field pH	6.40	Std. Units			1		06/13/18 06:20		N3
<b>200.7 MET ICP, Drinking Water</b> Analytical Method: EPA 200.7									
Ca Hardness as CaCO3 (SM 2340B)	19.7	mg/L	0.50		1		06/14/18 16:00		
Iron	0.12	mg/L	0.020		1		06/14/18 16:00	7439-89-6	
Manganese	0.045	mg/L	0.010		1		06/14/18 16:00	7439-96-5	
Sodium	16.0	mg/L	0.20		1		06/14/18 16:00	7440-23-5	
Zinc	<0.020	mg/L	0.020		1		06/14/18 16:00	7440-66-6	
<b>200.8 MET ICPMS Drinking Water</b> Analytical Method: EPA 200.8									
Antimony	<0.40	ug/L	0.40		1		06/14/18 16:34	7440-36-0	
Arsenic	<1.0	ug/L	1.0		1		06/14/18 16:34	7440-38-2	
Barium	0.027	mg/L	0.0020		1		06/14/18 16:34	7440-39-3	
Beryllium	<0.30	ug/L	0.30		1		06/14/18 16:34	7440-41-7	
Cadmium	<1.0	ug/L	1.0		1		06/14/18 16:34	7440-43-9	
Chromium	<0.0070	mg/L	0.0070		1		06/14/18 16:34	7440-47-3	
Lead	<1.0	ug/L	1.0		1		06/14/18 16:34	7439-92-1	
Mercury	<0.20	ug/L	0.20		1		06/14/18 16:34	7439-97-6	
Nickel	<0.00050	mg/L	0.00050		1		06/14/18 16:34	7440-02-0	
Selenium	<2.0	ug/L	2.0		1		06/14/18 16:34	7782-49-2	
Silver	<0.0010	mg/L	0.0010		1		06/14/18 16:34	7440-22-4	
Thallium	<0.30	ug/L	0.30		1		06/14/18 16:34	7440-28-0	
<b>2120B W Apparent Color</b> Analytical Method: SM22 2120B									
Apparent Color	<5.0	units	5.0		1		06/13/18 22:26		
pH	7.0	Std. Units	0.10		1		06/13/18 22:26		
<b>2150B Threshold Odor Number</b> Analytical Method: SM22 2150B									
Odor @ 60 Degrees C	No odor observed		1.0		1		06/14/18 06:38		H1
<b>2510B Specific Conductance</b> Analytical Method: SM22 2510B									
Specific Conductance	167	umhos/cm	1.0		1		06/17/18 11:21		
<b>5540C MBAS Surfactants</b> Analytical Method: SM22 5540C      Preparation Method: SM22 5540C									
LAS Molecular Weight, g/mol	320				1	06/14/18 09:09	06/14/18 18:45		
MBAS, Calculated as LAS	<0.080	mg/L	0.080		1	06/14/18 09:09	06/14/18 18:45		
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Fluoride	<0.10	mg/L	0.10		1		06/21/18 02:17	16984-48-8	
Sulfate	8.4	mg/L	5.0		1		06/21/18 02:17	14808-79-8	

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## ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

Sample: S-127163		Lab ID: 7054829008		Collected: 06/13/18 06:20	Received: 06/13/18 17:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2							
Nitrate as N	1.3	mg/L	0.50		10		06/13/18 21:15	14797-55-8	
Nitrate-Nitrite (as N)	1.3	mg/L	0.50		10		06/13/18 21:15	7727-37-9	M6
<b>353.2 Nitrogen, NO2</b>		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050		1		06/13/18 19:11	14797-65-0	
<b>SM 4500 CNE Cyanide, Total</b>		Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	<10.0	ug/L	10.0		1	06/21/18 10:32	06/21/18 15:19	57-12-5	
<b>4500 Chloride</b>		Analytical Method: SM22 4500-Cl-E							
Chloride	25.8	mg/L	2.0		1		06/18/18 14:57	16887-00-6	
<b>4500 Ammonia Water</b>		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<0.10	mg/L	0.10		1		06/20/18 15:33	7664-41-7	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

**Sample: S-127163**      **Lab ID: 7054829009**      Collected: 06/13/18 06:20      Received: 06/13/18 17:00      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		06/25/18 01:00	71-43-2	
Bromobenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	108-86-1	
Bromochloromethane	<0.50	ug/L	0.50		1		06/25/18 01:00	74-97-5	
Bromodichloromethane	<0.50	ug/L	0.50		1		06/25/18 01:00	75-27-4	
Bromoform	<0.50	ug/L	0.50		1		06/25/18 01:00	75-25-2	
Bromomethane	<0.50	ug/L	0.50		1		06/25/18 01:00	74-83-9	
n-Butylbenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	104-51-8	
sec-Butylbenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	135-98-8	
tert-Butylbenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	98-06-6	
Carbon tetrachloride	<0.50	ug/L	0.50		1		06/25/18 01:00	56-23-5	
Chlorobenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	108-90-7	
Chlorodifluoromethane	<0.50	ug/L	0.50		1		06/25/18 01:00	75-45-6	N3
Chloroethane	<0.50	ug/L	0.50		1		06/25/18 01:00	75-00-3	
Chloroform	3.7	ug/L	0.50		1		06/25/18 01:00	67-66-3	
Chloromethane	<0.50	ug/L	0.50		1		06/25/18 01:00	74-87-3	
2-Chlorotoluene	<0.50	ug/L	0.50		1		06/25/18 01:00	95-49-8	
4-Chlorotoluene	<0.50	ug/L	0.50		1		06/25/18 01:00	106-43-4	
Dibromochloromethane	<0.50	ug/L	0.50		1		06/25/18 01:00	124-48-1	
Dibromomethane	<0.50	ug/L	0.50		1		06/25/18 01:00	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	0.50		1		06/25/18 01:00	75-71-8	
1,1-Dichloroethane	<0.50	ug/L	0.50		1		06/25/18 01:00	75-34-3	
1,2-Dichloroethane	<0.50	ug/L	0.50		1		06/25/18 01:00	107-06-2	
1,1-Dichloroethene	<0.50	ug/L	0.50		1		06/25/18 01:00	75-35-4	
cis-1,2-Dichloroethene	<0.50	ug/L	0.50		1		06/25/18 01:00	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/L	0.50		1		06/25/18 01:00	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	0.50		1		06/25/18 01:00	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	0.50		1		06/25/18 01:00	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	0.50		1		06/25/18 01:00	594-20-7	
1,1-Dichloropropene	<0.50	ug/L	0.50		1		06/25/18 01:00	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	0.50		1		06/25/18 01:00	10061-01-5	
trans-1,3-Dichloropropene	<0.50	ug/L	0.50		1		06/25/18 01:00	10061-02-6	
Ethylbenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	100-41-4	
Hexachloro-1,3-butadiene	<0.50	ug/L	0.50		1		06/25/18 01:00	87-68-3	
Isopropylbenzene (Cumene)	<0.50	ug/L	0.50		1		06/25/18 01:00	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	0.50		1		06/25/18 01:00	99-87-6	
Methylene Chloride	<0.50	ug/L	0.50		1		06/25/18 01:00	75-09-2	
Methyl-tert-butyl ether	<0.50	ug/L	0.50		1		06/25/18 01:00	1634-04-4	
n-Propylbenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	103-65-1	
Styrene	<0.50	ug/L	0.50		1		06/25/18 01:00	100-42-5	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50		1		06/25/18 01:00	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50		1		06/25/18 01:00	79-34-5	
Tetrachloroethene	<0.50	ug/L	0.50		1		06/25/18 01:00	127-18-4	
Toluene	<0.50	ug/L	0.50		1		06/25/18 01:00	108-88-3	

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### ANALYTICAL RESULTS

Project: IOC/POC 6/13

Pace Project No.: 7054829

**Sample: S-127163**      **Lab ID: 7054829009**      Collected: 06/13/18 06:20      Received: 06/13/18 17:00      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.)	3.7	ug/L	0.50		1		06/25/18 01:00		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	87-61-6	
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	0.50		1		06/25/18 01:00	71-55-6	
1,1,2-Trichloroethane	<0.50	ug/L	0.50		1		06/25/18 01:00	79-00-5	
Trichloroethene	<0.50	ug/L	0.50		1		06/25/18 01:00	79-01-6	
Trichlorofluoromethane	<0.50	ug/L	0.50		1		06/25/18 01:00	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	0.50		1		06/25/18 01:00	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.50	ug/L	0.50		1		06/25/18 01:00	76-13-1	N3
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50		1		06/25/18 01:00	108-67-8	
Vinyl chloride	<0.50	ug/L	0.50		1		06/25/18 01:00	75-01-4	
m&p-Xylene	<0.50	ug/L	0.50		1		06/25/18 01:00	179601-23-1	
o-Xylene	<0.50	ug/L	0.50		1		06/25/18 01:00	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		06/25/18 01:00	2199-69-1	
4-Bromofluorobenzene (S)	95	%	70-130		1		06/25/18 01:00	460-00-4	

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**QUALITY CONTROL DATA**

Project: IOC/POC 6/13

Pace Project No.: 7054829

QC Batch:	71566	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 MET No Prep Drinking Water
Associated Lab Samples:	7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008		

METHOD BLANK:	328124	Matrix:	Drinking Water
Associated Lab Samples:	7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ca Hardness as CaCO3 (SM 2340B)	mg/L	<0.50	0.50	06/14/18 15:30	
Iron	mg/L	<0.020	0.020	06/14/18 15:30	
Manganese	mg/L	<0.010	0.010	06/14/18 15:30	
Sodium	mg/L	<0.20	0.20	06/14/18 15:30	
Zinc	mg/L	<0.020	0.020	06/14/18 15:30	

LABORATORY CONTROL SAMPLE: 328125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B)	mg/L		60.4			
Iron	mg/L	2	2.0	98	85-115	
Manganese	mg/L	.25	0.24	98	85-115	
Sodium	mg/L	50	48.7	97	85-115	
Zinc	mg/L	1	1.0	100	85-115	

MATRIX SPIKE SAMPLE: 328127

Parameter	Units	7054810001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B)	mg/L	<500 ug/L		57.9			
Iron	mg/L	0.44	2	2.3	95	70-130	
Manganese	mg/L	<10.0 ug/L	.25	0.24	96	70-130	
Sodium	mg/L	17000 ug/L	50	62.4	91	70-130	
Zinc	mg/L	<20.0 ug/L	1	0.99	99	70-130	

MATRIX SPIKE SAMPLE: 328129

Parameter	Units	7054810002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B)	mg/L	35500 ug/L		92.4			
Iron	mg/L	0.14	2	2.0	94	70-130	
Manganese	mg/L	<10.0 ug/L	.25	0.24	94	70-130	
Sodium	mg/L	17700 ug/L	50	63.1	91	70-130	
Zinc	mg/L	<20.0 ug/L	1	0.98	97	70-130	

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**QUALITY CONTROL DATA**

Project: IOC/POC 6/13

Pace Project No.: 7054829

SAMPLE DUPLICATE: 328126

Parameter	Units	7054810001 Result	Dup Result	RPD	Max RPD	Qualifiers
Ca Hardness as CaCO <sub>3</sub> (SM 2340B	mg/L	<500 ug/L	<0.50		20	
Iron	mg/L	0.44	0.43	2	20	
Manganese	mg/L	<10.0 ug/L	<0.010		20	
Sodium	mg/L	17000 ug/L	17.0	0	20	
Zinc	mg/L	<20.0 ug/L	<0.020		20	

SAMPLE DUPLICATE: 328128

Parameter	Units	7054810002 Result	Dup Result	RPD	Max RPD	Qualifiers
Ca Hardness as CaCO <sub>3</sub> (SM 2340B	mg/L	35500 ug/L	35.2	1	20	
Iron	mg/L	0.14	0.14	0	20	
Manganese	mg/L	<10.0 ug/L	<0.010		20	
Sodium	mg/L	17700 ug/L	17.6	1	20	
Zinc	mg/L	<20.0 ug/L	<0.020		20	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13  
Pace Project No.: 7054829

QC Batch: 71615 Analysis Method: EPA 200.8  
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET No Prep Drinking Water  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

METHOD BLANK: 328367 Matrix: Water  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<0.40	0.40	06/14/18 15:35	
Arsenic	ug/L	<1.0	1.0	06/14/18 15:35	
Barium	mg/L	<0.0020	0.0020	06/14/18 15:35	
Beryllium	ug/L	<0.30	0.30	06/14/18 15:35	
Cadmium	ug/L	<1.0	1.0	06/14/18 15:35	
Chromium	mg/L	<0.0070	0.0070	06/14/18 15:35	
Lead	ug/L	<1.0	1.0	06/14/18 15:35	
Mercury	ug/L	<0.20	0.20	06/14/18 15:35	
Nickel	mg/L	<0.00050	0.00050	06/14/18 15:35	
Selenium	ug/L	<2.0	2.0	06/14/18 15:35	
Silver	mg/L	<0.0010	0.0010	06/14/18 15:35	
Thallium	ug/L	<0.30	0.30	06/14/18 15:35	

LABORATORY CONTROL SAMPLE: 328368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	51.2	102	85-115	
Arsenic	ug/L	50	51.5	103	85-115	
Barium	mg/L	.05	0.051	102	85-115	
Beryllium	ug/L	50	51.0	102	85-115	
Cadmium	ug/L	50	50.3	101	85-115	
Chromium	mg/L	.05	0.050	100	85-115	
Lead	ug/L	50	50.7	101	85-115	
Mercury	ug/L	1.5	1.5	101	85-115	
Nickel	mg/L	.05	0.051	103	85-115	
Selenium	ug/L	50	50.8	102	85-115	
Silver	mg/L	.05	0.048	95	85-115	
Thallium	ug/L	50	53.4	107	85-115	

MATRIX SPIKE SAMPLE: 328370

Parameter	Units	7054498001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	<0.40	10	10.1	101	70-130	
Arsenic	ug/L	<1.0	4	3.5	87	70-130	
Barium	mg/L	41.7 ug/L	.2	0.24	100	70-130	
Beryllium	ug/L	<0.30	5	5.3	105	70-130	
Cadmium	ug/L	<1.0	5	5.1	100	70-130	
Chromium	mg/L	<0.0070	.02	0.018	86	70-130	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13

Pace Project No.: 7054829

MATRIX SPIKE SAMPLE: 328370

Parameter	Units	7054498001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.8	95	70-130	
Mercury	ug/L	<0.20	.4	0.44	102	70-130	
Nickel	mg/L	<0.50 ug/L	.05	0.042	84	70-130	
Selenium	ug/L	<2.0	1	<2.0	112	70-130	
Silver	mg/L	<1.0 ug/L	.005	0.0024	47	70-130 M1	
Thallium	ug/L	<0.30	5	4.9	97	70-130	

MATRIX SPIKE SAMPLE: 328372

Parameter	Units	7054441001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	5.8	10	15.0	92	70-130	
Arsenic	ug/L	<1.0	4	4.2	100	70-130	
Barium	mg/L	17.1 ug/L	.2	0.21	99	70-130	
Beryllium	ug/L	<0.30	5	5.1	103	70-130	
Cadmium	ug/L	<1.0	5	5.8	108	70-130	
Chromium	mg/L	<7.0 ug/L	.02	0.019	95	70-130	
Lead	ug/L	7.0	2	9.1	104	70-130	
Mercury	ug/L	<0.20	.4	0.39	97	70-130	
Nickel	mg/L	208 ug/L	.05	0.26	95	70-130	
Selenium	ug/L	<2.0	1	<2.0	84	70-130	
Silver	mg/L	<1.0 ug/L	.005	0.0028	53	70-130 M1	
Thallium	ug/L	<0.30	5	5.0	100	70-130	

SAMPLE DUPLICATE: 328369

Parameter	Units	7054498001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	<0.40	<0.40		20	
Arsenic	ug/L	<1.0	<1.0		20	
Barium	mg/L	41.7 ug/L	0.039	7	20	
Beryllium	ug/L	<0.30	<0.30		20	
Cadmium	ug/L	<1.0	<1.0		20	
Chromium	mg/L	<0.0070	<0.0070		20	
Lead	ug/L	<1.0	<1.0		20	
Mercury	ug/L	<0.20	<0.20		20	
Nickel	mg/L	<0.50 ug/L	<0.00050		20	
Selenium	ug/L	<2.0	<2.0		20	
Silver	mg/L	<1.0 ug/L	<0.0010		20	
Thallium	ug/L	<0.30	<0.30		20	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13

Pace Project No.: 7054829

SAMPLE DUPLICATE: 328371

Parameter	Units	7054441001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	5.8	5.8	1	20	
Arsenic	ug/L	<1.0	<1.0		20	
Barium	mg/L	17.1 ug/L	0.017	0	20	
Beryllium	ug/L	<0.30	<0.30		20	
Cadmium	ug/L	<1.0	<1.0		20	
Chromium	mg/L	<7.0 ug/L	<0.0070		20	
Lead	ug/L	7.0	7.2	2	20	
Mercury	ug/L	<0.20	<0.20		20	
Nickel	mg/L	208 ug/L	0.21	1	20	
Selenium	ug/L	<2.0	<2.0		20	
Silver	mg/L	<1.0 ug/L	<0.0010		20	
Thallium	ug/L	<0.30	<0.30		20	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13  
Pace Project No.: 7054829

QC Batch: 72730 Analysis Method: EPA 524.2  
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV  
Associated Lab Samples: 7054829009

METHOD BLANK: 333825 Matrix: Water  
Associated Lab Samples: 7054829009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	06/24/18 23:32	
1,1,1-Trichloroethane	ug/L	<0.50	0.50	06/24/18 23:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	06/24/18 23:32	
1,1,2-Trichloroethane	ug/L	<0.50	0.50	06/24/18 23:32	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.50	0.50	06/24/18 23:32	N3
1,1-Dichloroethane	ug/L	<0.50	0.50	06/24/18 23:32	
1,1-Dichloroethene	ug/L	<0.50	0.50	06/24/18 23:32	
1,1-Dichloropropene	ug/L	<0.50	0.50	06/24/18 23:32	
1,2,3-Trichlorobenzene	ug/L	<0.50	0.50	06/24/18 23:32	
1,2,3-Trichloropropane	ug/L	<0.50	0.50	06/24/18 23:32	
1,2,4-Trichlorobenzene	ug/L	<0.50	0.50	06/24/18 23:32	
1,2,4-Trimethylbenzene	ug/L	<0.50	0.50	06/24/18 23:32	
1,2-Dichlorobenzene	ug/L	<0.50	0.50	06/24/18 23:32	
1,2-Dichloroethane	ug/L	<0.50	0.50	06/24/18 23:32	
1,2-Dichloropropane	ug/L	<0.50	0.50	06/24/18 23:32	
1,3,5-Trimethylbenzene	ug/L	<0.50	0.50	06/24/18 23:32	
1,3-Dichlorobenzene	ug/L	<0.50	0.50	06/24/18 23:32	
1,3-Dichloropropane	ug/L	<0.50	0.50	06/24/18 23:32	
1,4-Dichlorobenzene	ug/L	<0.50	0.50	06/24/18 23:32	
2,2-Dichloropropane	ug/L	<0.50	0.50	06/24/18 23:32	
2-Chlorotoluene	ug/L	<0.50	0.50	06/24/18 23:32	
4-Chlorotoluene	ug/L	<0.50	0.50	06/24/18 23:32	
Benzene	ug/L	<0.50	0.50	06/24/18 23:32	
Bromobenzene	ug/L	<0.50	0.50	06/24/18 23:32	
Bromochloromethane	ug/L	<0.50	0.50	06/24/18 23:32	
Bromodichloromethane	ug/L	<0.50	0.50	06/24/18 23:32	
Bromoform	ug/L	<0.50	0.50	06/24/18 23:32	
Bromomethane	ug/L	<0.50	0.50	06/24/18 23:32	
Carbon tetrachloride	ug/L	<0.50	0.50	06/24/18 23:32	
Chlorobenzene	ug/L	<0.50	0.50	06/24/18 23:32	
Chlorodifluoromethane	ug/L	<0.50	0.50	06/24/18 23:32	N3
Chloroethane	ug/L	<0.50	0.50	06/24/18 23:32	
Chloroform	ug/L	<0.50	0.50	06/24/18 23:32	
Chloromethane	ug/L	<0.50	0.50	06/24/18 23:32	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50	06/24/18 23:32	
cis-1,3-Dichloropropene	ug/L	<0.50	0.50	06/24/18 23:32	
Dibromochloromethane	ug/L	<0.50	0.50	06/24/18 23:32	
Dibromomethane	ug/L	<0.50	0.50	06/24/18 23:32	
Dichlorodifluoromethane	ug/L	<0.50	0.50	06/24/18 23:32	
Ethylbenzene	ug/L	<0.50	0.50	06/24/18 23:32	
Hexachloro-1,3-butadiene	ug/L	<0.50	0.50	06/24/18 23:32	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13

Pace Project No.: 7054829

METHOD BLANK: 333825

Matrix: Water

Associated Lab Samples: 7054829009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	ug/L	<0.50	0.50	06/24/18 23:32	
m&p-Xylene	ug/L	<0.50	0.50	06/24/18 23:32	
Methyl-tert-butyl ether	ug/L	<0.50	0.50	06/24/18 23:32	
Methylene Chloride	ug/L	<0.50	0.50	06/24/18 23:32	
n-Butylbenzene	ug/L	<0.50	0.50	06/24/18 23:32	
n-Propylbenzene	ug/L	<0.50	0.50	06/24/18 23:32	
o-Xylene	ug/L	<0.50	0.50	06/24/18 23:32	
p-Isopropyltoluene	ug/L	<0.50	0.50	06/24/18 23:32	
sec-Butylbenzene	ug/L	<0.50	0.50	06/24/18 23:32	
Styrene	ug/L	<0.50	0.50	06/24/18 23:32	
tert-Butylbenzene	ug/L	<0.50	0.50	06/24/18 23:32	
Tetrachloroethene	ug/L	<0.50	0.50	06/24/18 23:32	
Toluene	ug/L	<0.50	0.50	06/24/18 23:32	
Total Trihalomethanes (Calc.)	ug/L	<0.50	0.50	06/24/18 23:32	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50	06/24/18 23:32	
trans-1,3-Dichloropropene	ug/L	<0.50	0.50	06/24/18 23:32	
Trichloroethene	ug/L	<0.50	0.50	06/24/18 23:32	
Trichlorofluoromethane	ug/L	<0.50	0.50	06/24/18 23:32	
Vinyl chloride	ug/L	<0.50	0.50	06/24/18 23:32	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	06/24/18 23:32	
4-Bromofluorobenzene (S)	%	96	70-130	06/24/18 23:32	

LABORATORY CONTROL SAMPLE: 333826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	8.1	81	70-130	
1,1,1-Trichloroethane	ug/L	10	8.5	85	70-130	
1,1,2,2-Tetrachloroethane	ug/L	10	8.2	82	70-130	
1,1,2-Trichloroethane	ug/L	10	8.4	84	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	10	8.2	82	70-130	N3
1,1-Dichloroethane	ug/L	10	8.4	84	70-130	
1,1-Dichloroethene	ug/L	10	8.5	85	70-130	
1,1-Dichloropropene	ug/L	10	9.1	91	70-130	
1,2,3-Trichlorobenzene	ug/L	10	7.8	78	70-130	
1,2,3-Trichloropropane	ug/L	10	8.3	83	70-130	
1,2,4-Trichlorobenzene	ug/L	10	8.8	88	70-130	
1,2,4-Trimethylbenzene	ug/L	10	8.5	85	70-130	
1,2-Dichlorobenzene	ug/L	10	8.3	83	70-130	
1,2-Dichloroethane	ug/L	10	8.5	85	70-130	
1,2-Dichloropropane	ug/L	10	8.3	83	70-130	
1,3,5-Trimethylbenzene	ug/L	10	8.3	83	70-130	
1,3-Dichlorobenzene	ug/L	10	8.4	84	70-130	
1,3-Dichloropropane	ug/L	10	8.4	84	70-130	
1,4-Dichlorobenzene	ug/L	10	8.4	84	70-130	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13

Pace Project No.: 7054829

LABORATORY CONTROL SAMPLE: 333826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	10	8.2	82	70-130	
2-Chlorotoluene	ug/L	10	8.1	81	70-130	
4-Chlorotoluene	ug/L	10	8.4	84	70-130	
Benzene	ug/L	10	8.4	84	70-130	
Bromobenzene	ug/L	10	8.2	82	70-130	
Bromochloromethane	ug/L	10	8.3	83	70-130	
Bromodichloromethane	ug/L	10	8.5	85	70-130	
Bromoform	ug/L	10	8.4	84	70-130	
Bromomethane	ug/L	10	9.4	94	70-130	
Carbon tetrachloride	ug/L	10	8.6	86	70-130	
Chlorobenzene	ug/L	10	8.4	84	70-130	
Chlorodifluoromethane	ug/L	10	8.0	80	70-130	N3
Chloroethane	ug/L	10	9.8	98	70-130	
Chloroform	ug/L	10	8.3	83	70-130	
Chloromethane	ug/L	10	9.8	98	70-130	
cis-1,2-Dichloroethene	ug/L	10	8.2	82	70-130	
cis-1,3-Dichloropropene	ug/L	10	8.2	82	70-130	
Dibromochloromethane	ug/L	10	8.2	82	70-130	
Dibromomethane	ug/L	10	8.6	86	70-130	
Dichlorodifluoromethane	ug/L	10	11.4	114	70-130	
Ethylbenzene	ug/L	10	8.4	84	70-130	
Hexachloro-1,3-butadiene	ug/L	10	7.9	79	70-130	
Isopropylbenzene (Cumene)	ug/L	10	8.3	83	70-130	
m&p-Xylene	ug/L	20	17.0	85	70-130	
Methyl-tert-butyl ether	ug/L	10	10.5	105	70-130	
Methylene Chloride	ug/L	10	8.3	83	70-130	
n-Butylbenzene	ug/L	10	8.2	82	70-130	
n-Propylbenzene	ug/L	10	8.4	84	70-130	
o-Xylene	ug/L	10	8.2	82	70-130	
p-Isopropyltoluene	ug/L	10	8.4	84	70-130	
sec-Butylbenzene	ug/L	10	8.3	83	70-130	
Styrene	ug/L	10	8.4	84	70-130	
tert-Butylbenzene	ug/L	10	8.2	82	70-130	
Tetrachloroethene	ug/L	10	8.2	82	70-130	
Toluene	ug/L	10	8.3	83	70-130	
Total Trihalomethanes (Calc.)	ug/L		33.4			
trans-1,2-Dichloroethene	ug/L	10	8.3	83	70-130	
trans-1,3-Dichloropropene	ug/L	10	7.8	78	70-130	
Trichloroethene	ug/L	10	8.7	87	70-130	
Trichlorofluoromethane	ug/L	10	10.3	103	70-130	
Vinyl chloride	ug/L	10	9.4	94	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13

Pace Project No.: 7054829

SAMPLE DUPLICATE: 334168

Parameter	Units	7054829009 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	3.7	3.6	2	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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### QUALITY CONTROL DATA

Project: IOC/POC 6/13

Pace Project No.: 7054829

SAMPLE DUPLICATE: 334168

Parameter	Units	7054829009 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	3.7	3.6	2	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)	%	100	98	2	20	
4-Bromofluorobenzene (S)	%	95	97	2	20	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13  
Pace Project No.: 7054829

QC Batch: 71460 Analysis Method: SM22 2120B  
QC Batch Method: SM22 2120B Analysis Description: 2120B Color  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

METHOD BLANK: 327835 Matrix: Water  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Apparent Color	units	<5.0	5.0	06/13/18 22:25	

LABORATORY CONTROL SAMPLE: 327836

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Apparent Color	units	40	40.0	100	90-110	

SAMPLE DUPLICATE: 327837

Parameter	Units	7054829001 Result	Dup Result	RPD	Max RPD	Qualifiers
Apparent Color	units	<5.0	<5.0		20	
pH	Std. Units	7.0	7.0	0	10	

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**QUALITY CONTROL DATA**

Project: IOC/POC 6/13

Pace Project No.: 7054829

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QC Batch:	71471	Analysis Method:	SM22 2150B
QC Batch Method:	SM22 2150B	Analysis Description:	2150B Threshold Odor Number
Associated Lab Samples:	7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008		

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METHOD BLANK: 327873 Matrix: Drinking Water  
 Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Odor @ 60 Degrees C		No odor	1.0	06/14/18 06:37	

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SAMPLE DUPLICATE: 327874

Parameter	Units	7054829002 Result	Dup Result	RPD	Max RPD	Qualifiers
Odor @ 60 Degrees C		No odor observed	No odor		20	H1

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**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13  
Pace Project No.: 7054829

QC Batch: 71797 Analysis Method: SM22 2510B  
QC Batch Method: SM22 2510B Analysis Description: 2510B Specific Conductance  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

METHOD BLANK: 329637 Matrix: Water  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	<1.0	1.0	06/17/18 11:10	

LABORATORY CONTROL SAMPLE: 329638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	718	704	98	85-115	

SAMPLE DUPLICATE: 329639

Parameter	Units	7054818001 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance	umhos/cm	384	384	0	20	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13  
Pace Project No.: 7054829

QC Batch: 71497 Analysis Method: SM22 5540C  
QC Batch Method: SM22 5540C Analysis Description: 5540C MBAS Surfactants  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

METHOD BLANK: 327929 Matrix: Water  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
LAS Molecular Weight, g/mol		320		06/14/18 18:44	
MBAS, Calculated as LAS	mg/L	<0.080	0.080	06/14/18 18:44	

LABORATORY CONTROL SAMPLE: 327930

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
LAS Molecular Weight, g/mol			320			
MBAS, Calculated as LAS	mg/L	.24	0.27	114	85-115	

MATRIX SPIKE SAMPLE: 327931

Parameter	Units	7054829001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
LAS Molecular Weight, g/mol				320			
MBAS, Calculated as LAS	mg/L	<0.080	.24	0.26	105	75-125	

SAMPLE DUPLICATE: 327932

Parameter	Units	7054829001 Result	Dup Result	RPD	Max RPD	Qualifiers
LAS Molecular Weight, g/mol		320	320			
MBAS, Calculated as LAS	mg/L	<0.080	<0.080		20	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13

Pace Project No.: 7054829

QC Batch: 72319

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

METHOD BLANK: 331821

Matrix: Water

Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	<0.10	0.10	06/20/18 17:55	
Sulfate	mg/L	<5.0	5.0	06/20/18 17:55	

LABORATORY CONTROL SAMPLE: 331822

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	1	1.0	104	90-110	
Sulfate	mg/L	10	10.1	101	90-110	

MATRIX SPIKE SAMPLE: 331823

Parameter	Units	7054817001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	<0.10	1	0.90	84	80-120	
Sulfate	mg/L	12.3	10	23.2	108	80-120	

MATRIX SPIKE SAMPLE: 331825

Parameter	Units	7054690005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	0.57	1	1.5	95	80-120	
Sulfate	mg/L	7.6	10	16.3	87	80-120	

SAMPLE DUPLICATE: 331824

Parameter	Units	7054817001 Result	Dup Result	RPD	Max RPD	Qualifiers
Fluoride	mg/L	<0.10	<0.10		20	
Sulfate	mg/L	12.3	12.4	1	20	

SAMPLE DUPLICATE: 331826

Parameter	Units	7054690005 Result	Dup Result	RPD	Max RPD	Qualifiers
Fluoride	mg/L	0.57	0.58	1	20	
Sulfate	mg/L	7.6	7.5	2	20	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13  
Pace Project No.: 7054829

QC Batch: 71451 Analysis Method: EPA 353.2  
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrite, Unpres.  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

METHOD BLANK: 327741 Matrix: Water  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	06/13/18 18:51	

LABORATORY CONTROL SAMPLE: 327742

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	100	90-110	

MATRIX SPIKE SAMPLE: 327743

Parameter	Units	7054829001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.58	116	90-110	M1

MATRIX SPIKE SAMPLE: 327745

Parameter	Units	7054599008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.59	118	90-110	M1

SAMPLE DUPLICATE: 327744

Parameter	Units	7054829001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		20	

SAMPLE DUPLICATE: 327746

Parameter	Units	7054599008 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		20	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13  
Pace Project No.: 7054829

QC Batch: 71454 Analysis Method: EPA 353.2  
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate, Unpres.  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

METHOD BLANK: 327794 Matrix: Water  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	06/13/18 20:54	

LABORATORY CONTROL SAMPLE: 327795

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 327796

Parameter	Units	7054829001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.1	5	8.5	107	90-110	

MATRIX SPIKE SAMPLE: 327798

Parameter	Units	7054829008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1.3	5	7.1	116	90-110	M6

SAMPLE DUPLICATE: 327797

Parameter	Units	7054829001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.1	3.1	1	20	

SAMPLE DUPLICATE: 327799

Parameter	Units	7054829008 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1.3	1.3	1	20	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13

Pace Project No.: 7054829

QC Batch: 72134 Analysis Method: SM22 4500-CN-E  
 QC Batch Method: SM20/22 4500-CN-C Analysis Description: 4500 CNE Cyanide, Total  
 Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004

METHOD BLANK: 331363 Matrix: Water  
 Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	06/20/18 14:01	

LABORATORY CONTROL SAMPLE: 331364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	68.3	91	85-115	

MATRIX SPIKE SAMPLE: 331365

Parameter	Units	7054363002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	92.3	91	75-125	

SAMPLE DUPLICATE: 331366

Parameter	Units	7054363002 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		20	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13  
Pace Project No.: 7054829

QC Batch: 72407 Analysis Method: SM22 4500-CN-E  
QC Batch Method: SM20/22 4500-CN-C Analysis Description: 4500 CNE Cyanide, Total  
Associated Lab Samples: 7054829005, 7054829006, 7054829007, 7054829008

METHOD BLANK: 332363 Matrix: Water  
Associated Lab Samples: 7054829005, 7054829006, 7054829007, 7054829008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	06/21/18 15:15	

LABORATORY CONTROL SAMPLE: 332364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	67.7	90	85-115	

MATRIX SPIKE SAMPLE: 332365

Parameter	Units	7055149007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	81.1	77	75-125	

SAMPLE DUPLICATE: 332366

Parameter	Units	7055149007 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		20	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13  
Pace Project No.: 7054829

QC Batch: 71856 Analysis Method: SM22 4500-Cl-E  
QC Batch Method: SM22 4500-Cl-E Analysis Description: 4500 Chloride  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

METHOD BLANK: 329844 Matrix: Water  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	06/18/18 14:45	

LABORATORY CONTROL SAMPLE: 329845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	54.8	110	90-110	

MATRIX SPIKE SAMPLE: 329846

Parameter	Units	7054817005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	32.1	25	59.4	109	80-120	

SAMPLE DUPLICATE: 329847

Parameter	Units	7054817005 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	32.1	32.4	1	20	

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### QUALITY CONTROL DATA

Project: IOC/POC 6/13  
Pace Project No.: 7054829

QC Batch: 72249 Analysis Method: SM22 4500 NH3 H  
QC Batch Method: SM22 4500 NH3 H Analysis Description: 4500 Ammonia  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

METHOD BLANK: 331615 Matrix: Water  
Associated Lab Samples: 7054829001, 7054829002, 7054829003, 7054829004, 7054829005, 7054829006, 7054829007, 7054829008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	0.10	06/20/18 15:02	

LABORATORY CONTROL SAMPLE: 331616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	100	90-110	

MATRIX SPIKE SAMPLE: 331617

Parameter	Units	7055135001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	1	1.1	103	75-125	

SAMPLE DUPLICATE: 331618

Parameter	Units	7055135001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	<0.10		20	

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## QUALIFIERS

Project: IOC/POC 6/13

Pace Project No.: 7054829

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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.

### ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.

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

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

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: IOC/POC 6/13

Pace Project No.: 7054829

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7054829001	S-50970		71525		
7054829002	S-74071		71525		
7054829003	S-58350		71525		
7054829004	S-58351		71525		
7054829005	S-58352		71525		
7054829006	S-108065		71525		
7054829007	S-108066		71525		
7054829008	S-127163		71525		
7054829001	S-50970	EPA 200.7	71566		
7054829002	S-74071	EPA 200.7	71566		
7054829003	S-58350	EPA 200.7	71566		
7054829004	S-58351	EPA 200.7	71566		
7054829005	S-58352	EPA 200.7	71566		
7054829006	S-108065	EPA 200.7	71566		
7054829007	S-108066	EPA 200.7	71566		
7054829008	S-127163	EPA 200.7	71566		
7054829001	S-50970	EPA 200.8	71615		
7054829002	S-74071	EPA 200.8	71615		
7054829003	S-58350	EPA 200.8	71615		
7054829004	S-58351	EPA 200.8	71615		
7054829005	S-58352	EPA 200.8	71615		
7054829006	S-108065	EPA 200.8	71615		
7054829007	S-108066	EPA 200.8	71615		
7054829008	S-127163	EPA 200.8	71615		
7054829009	S-127163	EPA 524.2	72730		
7054829001	S-50970	SM22 2120B	71460		
7054829002	S-74071	SM22 2120B	71460		
7054829003	S-58350	SM22 2120B	71460		
7054829004	S-58351	SM22 2120B	71460		
7054829005	S-58352	SM22 2120B	71460		
7054829006	S-108065	SM22 2120B	71460		
7054829007	S-108066	SM22 2120B	71460		
7054829008	S-127163	SM22 2120B	71460		
7054829001	S-50970	SM22 2150B	71471		
7054829002	S-74071	SM22 2150B	71471		
7054829003	S-58350	SM22 2150B	71471		
7054829004	S-58351	SM22 2150B	71471		
7054829005	S-58352	SM22 2150B	71471		
7054829006	S-108065	SM22 2150B	71471		
7054829007	S-108066	SM22 2150B	71471		
7054829008	S-127163	SM22 2150B	71471		
7054829001	S-50970	SM22 2510B	71797		
7054829002	S-74071	SM22 2510B	71797		
7054829003	S-58350	SM22 2510B	71797		
7054829004	S-58351	SM22 2510B	71797		
7054829005	S-58352	SM22 2510B	71797		

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: IOC/POC 6/13

Pace Project No.: 7054829

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7054829006	S-108065	SM22 2510B	71797		
7054829007	S-108066	SM22 2510B	71797		
7054829008	S-127163	SM22 2510B	71797		
7054829001	S-50970	SM22 5540C	71497	SM22 5540C	71633
7054829002	S-74071	SM22 5540C	71497	SM22 5540C	71633
7054829003	S-58350	SM22 5540C	71497	SM22 5540C	71633
7054829004	S-58351	SM22 5540C	71497	SM22 5540C	71633
7054829005	S-58352	SM22 5540C	71497	SM22 5540C	71633
7054829006	S-108065	SM22 5540C	71497	SM22 5540C	71633
7054829007	S-108066	SM22 5540C	71497	SM22 5540C	71633
7054829008	S-127163	SM22 5540C	71497	SM22 5540C	71633
7054829001	S-50970	EPA 300.0	72319		
7054829002	S-74071	EPA 300.0	72319		
7054829003	S-58350	EPA 300.0	72319		
7054829004	S-58351	EPA 300.0	72319		
7054829005	S-58352	EPA 300.0	72319		
7054829006	S-108065	EPA 300.0	72319		
7054829007	S-108066	EPA 300.0	72319		
7054829008	S-127163	EPA 300.0	72319		
7054829001	S-50970	EPA 353.2	71454		
7054829002	S-74071	EPA 353.2	71454		
7054829003	S-58350	EPA 353.2	71454		
7054829004	S-58351	EPA 353.2	71454		
7054829005	S-58352	EPA 353.2	71454		
7054829006	S-108065	EPA 353.2	71454		
7054829007	S-108066	EPA 353.2	71454		
7054829008	S-127163	EPA 353.2	71454		
7054829001	S-50970	EPA 353.2	71451		
7054829002	S-74071	EPA 353.2	71451		
7054829003	S-58350	EPA 353.2	71451		
7054829004	S-58351	EPA 353.2	71451		
7054829005	S-58352	EPA 353.2	71451		
7054829006	S-108065	EPA 353.2	71451		
7054829007	S-108066	EPA 353.2	71451		
7054829008	S-127163	EPA 353.2	71451		
7054829001	S-50970	SM20/22 4500-CN-C	72134	SM22 4500-CN-E	72202
7054829002	S-74071	SM20/22 4500-CN-C	72134	SM22 4500-CN-E	72202
7054829003	S-58350	SM20/22 4500-CN-C	72134	SM22 4500-CN-E	72202
7054829004	S-58351	SM20/22 4500-CN-C	72134	SM22 4500-CN-E	72202
7054829005	S-58352	SM20/22 4500-CN-C	72407	SM22 4500-CN-E	72478
7054829006	S-108065	SM20/22 4500-CN-C	72407	SM22 4500-CN-E	72478
7054829007	S-108066	SM20/22 4500-CN-C	72407	SM22 4500-CN-E	72478
7054829008	S-127163	SM20/22 4500-CN-C	72407	SM22 4500-CN-E	72478
7054829001	S-50970	SM22 4500-CI-E	71856		
7054829002	S-74071	SM22 4500-CI-E	71856		

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: IOC/POC 6/13

Pace Project No.: 7054829

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7054829003	S-58350	SM22 4500-Cl-E	71856		
7054829004	S-58351	SM22 4500-Cl-E	71856		
7054829005	S-58352	SM22 4500-Cl-E	71856		
7054829006	S-108065	SM22 4500-Cl-E	71856		
7054829007	S-108066	SM22 4500-Cl-E	71856		
7054829008	S-127163	SM22 4500-Cl-E	71856		
7054829001	S-50970	SM22 4500 NH3 H	72249		
7054829002	S-74071	SM22 4500 NH3 H	72249		
7054829003	S-58350	SM22 4500 NH3 H	72249		
7054829004	S-58351	SM22 4500 NH3 H	72249		
7054829005	S-58352	SM22 4500 NH3 H	72249		
7054829006	S-108065	SM22 4500 NH3 H	72249		
7054829007	S-108066	SM22 4500 NH3 H	72249		
7054829008	S-127163	SM22 4500 NH3 H	72249		

### REPORT OF LABORATORY ANALYSIS

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WO#: 7054829



7054829

# Sample Request Form PUBLIC WATER SUPPLIER

*Q/S*

WELL OFF LINE

6/13/18

Date: 6-13-18

Collected By: *W. B. ...*

WELL RUN TO SYSTEM

12:40

### Client Info:

Name or Code: HAMPTON BAYS WATER DISTRICT

Address: P.O. BOX 4013  
HAMPTON BAYS, NEW YORK 11946

Phone #: (631) 728-0179

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

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

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

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

YES  NO VOC'S PRESERVED WITH HCl

*Back 1700*

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	

### Sample Info:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl <sub>2</sub> pH/Temp	Analysis	Lab No.
5:55 6-13-18	GW	WELL-2-1	RW	-	RO	6.31/13.6°C	IOC	001
6:03 6-13-18	SW	WELL-2-2	RW	-	RO	6.58/13.5°C	IOC	002
7:15 6-13-18	SW	WELL-3-1	RW	-	RO	6.42/14.1°C	FOC	003
6:50 6-13-18	GW	WELL-3-2	RW	-	RO	6.19/13.5°C	FOE	004
7:00 6-13-18	GW	WELL-3-3	RW	-	RO	6.10/13.8°C	FOE	005
7:35 6-13-18	GW	WELL-4-1	RW	-	RO	6.26/13.3°C	FOC	006
7:45 6-13-18	GW	WELL-4-2	RW	-	RO	6.03/13.8°C	FOC	007
6:20 6-13-18	GW	WELL-5-1	RW	-	RO	6.40/13.3°C	IOC	008
6:20 6-13-18	GW	WELL-5-1	RW	-	S	6.40/13.3°C	POC	009

Remarks:





Sample Condition Upon Receipt

WO#: 7054829

Client Name: HBW

PM: SWM Due Date: 06/22/18
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): 3.7 Cooler Temperature Corrected (°C): 3.7

Temp should be above freezing to 6.0°C

USDA Regulated Soil ( N/A, water sample)

Date and Initials of person examining contents: 6/13/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, IA, 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.

Table with 16 rows and 3 columns: Description, Yes/No/N/A checkboxes, and Comments. Includes items like Chain of Custody Present, Short Hold Time Analysis, and Samples checked for dechlorination.

Client Notification/ Resolution:
Person Contacted:
Comments/ Resolution: