

April 04, 2019

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

RE: Project: METALS/BACT/NO3/NO2 4/1
Pace Project No.: 7083994

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on April 01, 2019. 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: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7083994001	S-15687	Drinking Water	04/01/19 08:25	04/01/19 10:20
7083994002	S-24848	Drinking Water	04/01/19 08:40	04/01/19 10:20
7083994003	S-31636	Drinking Water	04/01/19 08:50	04/01/19 10:20
7083994004	BLENDED INFLUENT	Drinking Water	04/01/19 09:00	04/01/19 10:20
7083994005	BLENDED EFFLUENT	Drinking Water	04/01/19 09:10	04/01/19 10:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7083994001	S-15687	EPA 200.7	JMW	2
		EPA 200.8	SK2	12
		SM22 9223B Colilert	AL1	2
		EPA 353.2	SDO	2
		EPA 353.2	SDO	1
7083994002	S-24848	EPA 200.7	JMW	2
		EPA 200.8	SK2	12
		SM22 9223B Colilert	AL1	2
		EPA 353.2	SDO	2
		EPA 353.2	SDO	1
7083994003	S-31636	EPA 200.7	JMW	2
		EPA 200.8	SK2	12
		SM22 9223B Colilert	AL1	2
		EPA 353.2	SDO	2
		EPA 353.2	SDO	1
7083994004	BLENDED INFLUENT	EPA 200.7	JMW	2
		EPA 200.8	SK2	12
		SM22 9223B Colilert	AL1	2
		EPA 353.2	SDO	2
		EPA 353.2	SDO	1
7083994005	BLENDED EFFLUENT	EPA 200.7	JMW	2
		EPA 200.8	SK2	12
		SM22 9223B Colilert	AL1	2
		EPA 353.2	SDO	2
		EPA 353.2	SDO	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

Sample: S-15687		Lab ID: 7083994001		Collected: 04/01/19 08:25		Received: 04/01/19 10:20		Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water		Analytical Method: EPA 200.7							
Iron	0.048	mg/L	0.020		1		04/04/19 11:10	7439-89-6	
Manganese	0.010	mg/L	0.010		1		04/04/19 11:10	7439-96-5	
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8							
Antimony	<0.40	ug/L	0.40		1		04/02/19 10:11	7440-36-0	
Arsenic	<1.0	ug/L	1.0		1		04/02/19 10:11	7440-38-2	
Barium	0.062	mg/L	0.0020		1		04/02/19 10:11	7440-39-3	
Beryllium	<0.30	ug/L	0.30		1		04/02/19 10:11	7440-41-7	
Cadmium	<1.0	ug/L	1.0		1		04/02/19 10:11	7440-43-9	
Chromium	<0.0070	mg/L	0.0070		1		04/02/19 10:11	7440-47-3	
Lead	<1.0	ug/L	1.0		1		04/02/19 10:11	7439-92-1	
Mercury	<0.20	ug/L	0.20		1		04/02/19 10:11	7439-97-6	
Nickel	0.0024	mg/L	0.00050		1		04/02/19 10:11	7440-02-0	
Selenium	<2.0	ug/L	2.0		1		04/02/19 10:11	7782-49-2	
Silver	<0.0010	mg/L	0.0010		1		04/02/19 10:11	7440-22-4	
Thallium	<0.30	ug/L	0.30		1		04/02/19 10:11	7440-28-0	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	04/01/19 16:10	04/02/19 10:10		
E.coli	Absent				1	04/01/19 16:10	04/02/19 10:10		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	3.6	mg/L	0.50		10		04/01/19 20:41	14797-55-8	
Nitrate-Nitrite (as N)	3.6	mg/L	0.50		10		04/01/19 20:41	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050		1		04/01/19 18:31	14797-65-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

Sample: S-24848		Lab ID: 7083994002		Collected: 04/01/19 08:40		Received: 04/01/19 10:20		Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water		Analytical Method: EPA 200.7							
Iron	0.24	mg/L	0.020		1		04/04/19 11:11	7439-89-6	
Manganese	0.41	mg/L	0.010		1		04/04/19 11:11	7439-96-5	
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8							
Antimony	<0.40	ug/L	0.40		1		04/02/19 10:14	7440-36-0	
Arsenic	<1.0	ug/L	1.0		1		04/02/19 10:14	7440-38-2	
Barium	0.11	mg/L	0.0020		1		04/02/19 10:14	7440-39-3	
Beryllium	<0.30	ug/L	0.30		1		04/02/19 10:14	7440-41-7	
Cadmium	<1.0	ug/L	1.0		1		04/02/19 10:14	7440-43-9	
Chromium	<0.0070	mg/L	0.0070		1		04/02/19 10:14	7440-47-3	
Lead	<1.0	ug/L	1.0		1		04/02/19 10:14	7439-92-1	
Mercury	<0.20	ug/L	0.20		1		04/02/19 10:14	7439-97-6	
Nickel	0.013	mg/L	0.00050		1		04/02/19 10:14	7440-02-0	
Selenium	<2.0	ug/L	2.0		1		04/02/19 10:14	7782-49-2	
Silver	<0.0010	mg/L	0.0010		1		04/02/19 10:14	7440-22-4	
Thallium	<0.30	ug/L	0.30		1		04/02/19 10:14	7440-28-0	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	04/01/19 16:10	04/02/19 10:10		
E.coli	Absent				1	04/01/19 16:10	04/02/19 10:10		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	8.7	mg/L	0.50		10		04/01/19 20:44	14797-55-8	
Nitrate-Nitrite (as N)	8.7	mg/L	0.50		10		04/01/19 20:44	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050		1		04/01/19 18:33	14797-65-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

Sample: S-31636		Lab ID: 7083994003		Collected: 04/01/19 08:50		Received: 04/01/19 10:20		Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water		Analytical Method: EPA 200.7							
Iron	0.10	mg/L	0.020		1		04/04/19 11:12	7439-89-6	
Manganese	0.017	mg/L	0.010		1		04/04/19 11:12	7439-96-5	
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8							
Antimony	<0.40	ug/L	0.40		1		04/02/19 10:23	7440-36-0	
Arsenic	<1.0	ug/L	1.0		1		04/02/19 10:23	7440-38-2	
Barium	0.062	mg/L	0.0020		1		04/02/19 10:23	7440-39-3	
Beryllium	<0.30	ug/L	0.30		1		04/02/19 10:23	7440-41-7	
Cadmium	<1.0	ug/L	1.0		1		04/02/19 10:23	7440-43-9	
Chromium	<0.0070	mg/L	0.0070		1		04/02/19 10:23	7440-47-3	
Lead	<1.0	ug/L	1.0		1		04/02/19 10:23	7439-92-1	
Mercury	<0.20	ug/L	0.20		1		04/02/19 10:23	7439-97-6	
Nickel	0.00071	mg/L	0.00050		1		04/02/19 10:23	7440-02-0	
Selenium	<2.0	ug/L	2.0		1		04/02/19 10:23	7782-49-2	
Silver	<0.0010	mg/L	0.0010		1		04/02/19 10:23	7440-22-4	
Thallium	<0.30	ug/L	0.30		1		04/02/19 10:23	7440-28-0	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	04/01/19 16:10	04/02/19 10:10		
E.coli	Absent				1	04/01/19 16:10	04/02/19 10:10		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	5.0	mg/L	0.50		10		04/01/19 20:45	14797-55-8	
Nitrate-Nitrite (as N)	5.0	mg/L	0.50		10		04/01/19 20:45	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050		1		04/01/19 18:34	14797-65-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

Sample: BLENDED INFLUENT		Lab ID: 7083994004		Collected: 04/01/19 09:00		Received: 04/01/19 10:20		Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water		Analytical Method: EPA 200.7							
Iron	0.098	mg/L	0.020		1		04/04/19 11:14	7439-89-6	
Manganese	0.11	mg/L	0.010		1		04/04/19 11:14	7439-96-5	
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8							
Antimony	<0.40	ug/L	0.40		1		04/02/19 10:26	7440-36-0	
Arsenic	<1.0	ug/L	1.0		1		04/02/19 10:26	7440-38-2	
Barium	0.075	mg/L	0.0020		1		04/02/19 10:26	7440-39-3	
Beryllium	<0.30	ug/L	0.30		1		04/02/19 10:26	7440-41-7	
Cadmium	<1.0	ug/L	1.0		1		04/02/19 10:26	7440-43-9	
Chromium	<0.0070	mg/L	0.0070		1		04/02/19 10:26	7440-47-3	
Lead	<1.0	ug/L	1.0		1		04/02/19 10:26	7439-92-1	
Mercury	<0.20	ug/L	0.20		1		04/02/19 10:26	7439-97-6	
Nickel	0.0011	mg/L	0.00050		1		04/02/19 10:26	7440-02-0	
Selenium	<2.0	ug/L	2.0		1		04/02/19 10:26	7782-49-2	
Silver	<0.0010	mg/L	0.0010		1		04/02/19 10:26	7440-22-4	
Thallium	<0.30	ug/L	0.30		1		04/02/19 10:26	7440-28-0	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	04/01/19 16:10	04/02/19 10:10		
E.coli	Absent				1	04/01/19 16:10	04/02/19 10:10		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	6.1	mg/L	0.50		10		04/01/19 20:47	14797-55-8	
Nitrate-Nitrite (as N)	6.1	mg/L	0.50		10		04/01/19 20:47	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050		1		04/01/19 18:36	14797-65-0	

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ANALYTICAL RESULTS

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

Sample: BLENDED EFFLUENT		Lab ID: 7083994005		Collected: 04/01/19 09:10		Received: 04/01/19 10:20		Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water		Analytical Method: EPA 200.7							
Iron	0.072	mg/L	0.020		1		04/04/19 11:15	7439-89-6	
Manganese	0.18	mg/L	0.010		1		04/04/19 11:15	7439-96-5	
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8							
Antimony	<0.40	ug/L	0.40		1		04/02/19 10:29	7440-36-0	
Arsenic	1.8	ug/L	1.0		1		04/02/19 10:29	7440-38-2	
Barium	0.041	mg/L	0.0020		1		04/02/19 10:29	7440-39-3	
Beryllium	<0.30	ug/L	0.30		1		04/02/19 10:29	7440-41-7	
Cadmium	<1.0	ug/L	1.0		1		04/02/19 10:29	7440-43-9	
Chromium	<0.0070	mg/L	0.0070		1		04/02/19 10:29	7440-47-3	
Lead	<1.0	ug/L	1.0		1		04/02/19 10:29	7439-92-1	
Mercury	<0.20	ug/L	0.20		1		04/02/19 10:29	7439-97-6	
Nickel	0.00069	mg/L	0.00050		1		04/02/19 10:29	7440-02-0	
Selenium	<2.0	ug/L	2.0		1		04/02/19 10:29	7782-49-2	
Silver	<0.0010	mg/L	0.0010		1		04/02/19 10:29	7440-22-4	
Thallium	<0.30	ug/L	0.30		1		04/02/19 10:29	7440-28-0	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	04/01/19 16:10	04/02/19 10:10		
E.coli	Absent				1	04/01/19 16:10	04/02/19 10:10		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	5.2	mg/L	0.50		10		04/01/19 20:48	14797-55-8	
Nitrate-Nitrite (as N)	5.2	mg/L	0.50		10		04/01/19 20:48	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050		1		04/01/19 18:37	14797-65-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

QC Batch: 108030 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET No Prep Drinking Water
Associated Lab Samples: 7083994001, 7083994002, 7083994003, 7083994004, 7083994005

METHOD BLANK: 500540 Matrix: Drinking Water
Associated Lab Samples: 7083994001, 7083994002, 7083994003, 7083994004, 7083994005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	mg/L	<0.020	0.020	04/04/19 10:56	
Manganese	mg/L	<0.010	0.010	04/04/19 10:56	

LABORATORY CONTROL SAMPLE: 500541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	2	2.0	99	85-115	
Manganese	mg/L	0.25	0.24	98	85-115	

MATRIX SPIKE SAMPLE: 500544

Parameter	Units	7084042001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	<0.020	2	2.0	99	70-130	
Manganese	mg/L	<0.010	0.25	0.24	97	70-130	

MATRIX SPIKE SAMPLE: 500546

Parameter	Units	7084044001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	<20.0 ug/L	2	2.0	99	70-130	
Manganese	mg/L	<0.010	0.25	0.24	97	70-130	

SAMPLE DUPLICATE: 500543

Parameter	Units	7084042001 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron	mg/L	<0.020	<0.020		20	
Manganese	mg/L	<0.010	<0.010		20	

SAMPLE DUPLICATE: 500545

Parameter	Units	7084044001 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron	mg/L	<20.0 ug/L	<0.020		20	
Manganese	mg/L	<0.010	<0.010		20	

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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QUALITY CONTROL DATA

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

QC Batch:	107599	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET No Prep Drinking Water
Associated Lab Samples: 7083994001, 7083994002, 7083994003, 7083994004, 7083994005			

METHOD BLANK:	498111	Matrix:	Water
Associated Lab Samples: 7083994001, 7083994002, 7083994003, 7083994004, 7083994005			

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<0.40	0.40	04/02/19 09:16	
Arsenic	ug/L	<1.0	1.0	04/02/19 09:16	
Barium	mg/L	<0.0020	0.0020	04/02/19 09:16	
Beryllium	ug/L	<0.30	0.30	04/02/19 09:16	
Cadmium	ug/L	<1.0	1.0	04/02/19 09:16	
Chromium	mg/L	<0.0070	0.0070	04/02/19 09:16	
Lead	ug/L	<1.0	1.0	04/02/19 09:16	
Mercury	ug/L	<0.20	0.20	04/02/19 09:16	
Nickel	mg/L	<0.00050	0.00050	04/02/19 09:16	
Selenium	ug/L	<2.0	2.0	04/02/19 09:16	
Silver	mg/L	<0.0010	0.0010	04/02/19 09:16	
Thallium	ug/L	<0.30	0.30	04/02/19 09:16	

LABORATORY CONTROL SAMPLE: 498112

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	46.2	92	85-115	
Arsenic	ug/L	50	46.4	93	85-115	
Barium	mg/L	0.05	0.048	95	85-115	
Beryllium	ug/L	50	48.8	98	85-115	
Cadmium	ug/L	50	46.7	93	85-115	
Chromium	mg/L	0.05	0.046	93	85-115	
Lead	ug/L	50	47.8	96	85-115	
Mercury	ug/L	1.5	1.4	92	85-115	
Nickel	mg/L	0.05	0.048	95	85-115	
Selenium	ug/L	50	47.2	94	85-115	
Silver	mg/L	0.05	0.046	92	85-115	
Thallium	ug/L	50	50.3	101	85-115	

MATRIX SPIKE SAMPLE: 498115

Parameter	Units	7084007001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	<0.40	20	19.5	98	70-130	
Arsenic	ug/L	<1.0	8	8.7	108	70-130	
Barium	mg/L	0.0058	0.4	0.43	105	70-130	
Beryllium	ug/L	<0.30	10	10.9	109	70-130	
Cadmium	ug/L	<1.0	10	11.0	110	70-130	
Chromium	mg/L	<0.0070	0.04	0.041	100	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

MATRIX SPIKE SAMPLE: 498115

Parameter	Units	7084007001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	5.0	106	70-130	
Mercury	ug/L	<0.20	0.4	0.39	90	70-130	
Nickel	mg/L	0.0012	0.1	0.11	104	70-130	
Selenium	ug/L	<2.0	2	2.8	129	70-130	
Silver	mg/L	<0.0010	0.01	0.0093	92	70-130	
Thallium	ug/L	<0.30	10	10.7	107	70-130	

MATRIX SPIKE SAMPLE: 498163

Parameter	Units	7084007002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	<0.40	20	19.4	96	70-130	
Arsenic	ug/L	<1.0	8	8.7	107	70-130	
Barium	mg/L	0.0064	0.4	0.43	106	70-130	
Beryllium	ug/L	<0.30	10	11.0	110	70-130	
Cadmium	ug/L	<1.0	10	10.8	108	70-130	
Chromium	mg/L	<0.0070	0.04	0.040	98	70-130	
Lead	ug/L	<1.0	4	4.7	107	70-130	
Mercury	ug/L	<0.20	0.4	0.41	99	70-130	
Nickel	mg/L	0.0011	0.1	0.10	103	70-130	
Selenium	ug/L	<2.0	2	3.9	109	70-130	
Silver	mg/L	<0.0010	0.01	0.0096	95	70-130	
Thallium	ug/L	<0.30	10	10.9	109	70-130	

SAMPLE DUPLICATE: 498114

Parameter	Units	7084007001 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	0.0058	0.0057	2	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	0.0012	0.0012	5	20	
Selenium	ug/L	<2.0	<2.0		20	
Silver	mg/L	<0.0010	<0.0010		20	
Thallium	ug/L	<0.30	<0.30		20	

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QUALITY CONTROL DATA

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

SAMPLE DUPLICATE: 498162

Parameter	Units	7084007002 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	0.0064	0.0064	0	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	0.0011	0.0011	3	20	
Selenium	ug/L	<2.0	<2.0		20	
Silver	mg/L	<0.0010	<0.0010		20	
Thallium	ug/L	<0.30	<0.30		20	

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QUALITY CONTROL DATA

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

QC Batch:	107555	Analysis Method:	SM22 9223B Colilert
QC Batch Method:	SM22 9223B Colilert	Analysis Description:	TotColDW MBIO Total Coliform
Associated Lab Samples:	7083994001, 7083994002, 7083994003, 7083994004, 7083994005		

METHOD BLANK:	497730	Matrix:	Drinking Water
Associated Lab Samples:	7083994001, 7083994002, 7083994003, 7083994004, 7083994005		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		04/02/19 10:10	
Total Coliforms		Absent		04/02/19 10:10	

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QUALITY CONTROL DATA

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

QC Batch: 107568 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7083994001, 7083994002, 7083994003, 7083994004, 7083994005

METHOD BLANK: 497866 Matrix: Water
Associated Lab Samples: 7083994001, 7083994002, 7083994003, 7083994004, 7083994005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	04/01/19 18:22	

LABORATORY CONTROL SAMPLE: 497867

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	0.96	96	90-110	

MATRIX SPIKE SAMPLE: 497868

Parameter	Units	7083983001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.50	100	90-110	

MATRIX SPIKE SAMPLE: 497870

Parameter	Units	7083988001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.50	99	90-110	

SAMPLE DUPLICATE: 497869

Parameter	Units	7083983001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		20	

SAMPLE DUPLICATE: 497871

Parameter	Units	7083988001 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: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

QC Batch: 107579 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate, Unpres.
Associated Lab Samples: 7083994001, 7083994002, 7083994003, 7083994004, 7083994005

METHOD BLANK: 497964 Matrix: Water
Associated Lab Samples: 7083994001, 7083994002, 7083994003, 7083994004, 7083994005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	04/01/19 20:28	

LABORATORY CONTROL SAMPLE: 497965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.98	98	90-110	

MATRIX SPIKE SAMPLE: 497966

Parameter	Units	7083983001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.39	0.5	0.90	104	90-110	

MATRIX SPIKE SAMPLE: 497968

Parameter	Units	7083988001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1.7	5	6.9	104	90-110	

SAMPLE DUPLICATE: 497967

Parameter	Units	7083983001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.39	0.35	11	20	

SAMPLE DUPLICATE: 497969

Parameter	Units	7083988001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1.7	1.6	8	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: METALS/BACT/NO3/NO2 4/1

Pace Project No.: 7083994

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7083994001	S-15687	EPA 200.7	108030		
7083994002	S-24848	EPA 200.7	108030		
7083994003	S-31636	EPA 200.7	108030		
7083994004	BLENDED INFLUENT	EPA 200.7	108030		
7083994005	BLENDED EFFLUENT	EPA 200.7	108030		
7083994001	S-15687	EPA 200.8	107599		
7083994002	S-24848	EPA 200.8	107599		
7083994003	S-31636	EPA 200.8	107599		
7083994004	BLENDED INFLUENT	EPA 200.8	107599		
7083994005	BLENDED EFFLUENT	EPA 200.8	107599		
7083994001	S-15687	SM22 9223B Colilert	107555	SM22 9223B Colilert	107740
7083994002	S-24848	SM22 9223B Colilert	107555	SM22 9223B Colilert	107740
7083994003	S-31636	SM22 9223B Colilert	107555	SM22 9223B Colilert	107740
7083994004	BLENDED INFLUENT	SM22 9223B Colilert	107555	SM22 9223B Colilert	107740
7083994005	BLENDED EFFLUENT	SM22 9223B Colilert	107555	SM22 9223B Colilert	107740
7083994001	S-15687	EPA 353.2	107579		
7083994002	S-24848	EPA 353.2	107579		
7083994003	S-31636	EPA 353.2	107579		
7083994004	BLENDED INFLUENT	EPA 353.2	107579		
7083994005	BLENDED EFFLUENT	EPA 353.2	107579		
7083994001	S-15687	EPA 353.2	107568		
7083994002	S-24848	EPA 353.2	107568		
7083994003	S-31636	EPA 353.2	107568		
7083994004	BLENDED INFLUENT	EPA 353.2	107568		
7083994005	BLENDED EFFLUENT	EPA 353.2	107568		

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WO#: 7083994



7083994

Sample Request Form PUBLIC WATER SUPPLIER

☐ WELL OFF LINE

☐ WELL RUN TO SYSTEM

☐ YES ☐ NO VOC'S PRESERVED WITH HCI

Date:

4-1-19

Collected By:

W Booth

Accepted By:

W Booth 10:20

Cooler Temp:

36 °C

Client Info: HAMPTON BAYS WATER DISTRICT

Name or Code: P.O. BOX 1013

Address: HAMPTON BAYS, NEW YORK 11946

(631) 728-0179

Phone #:

Attn:

Proj. # or (Name):

Bill To:

Copies To:

Sample Info:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings pH/Temp	Analysis	Lab No.
8:35 4-1-19	GW	WELL 1-1	RW	-	RO		PFC's, Metals, BACT, N/N	001
8:40 4-1-19	GW	WELL 1-2	RW	-	RO		PFC's, Metals, BACT, N/N	002
8:50 4-1-19	GW	WELL 1-3	RW	-	RO		PFC's, Metals, BACT, N/N	003
9:00 4-1-19	GW	BLENDED INFILTRANT	RW	-	RO		PFC's, Metals, BACT, N/N	004
9:10 4-1-19	GW	BLENDED EFFLUENT	RW	-	RO		PFC's, Metals, BACT, N/N	005
Remarks:								



Sample Condition Upon Receipt

Client Name: Hampton Bay WL

Project

WO#: 7083994

PM: SWM Due Date: 04/09/19

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): 3.6

Cooler Temperature Corrected (°C): 3.6

Temperature Blank Present: ☐ Yes ☒ No

Type of Ice: Wet Blue None

☒ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: AB 4/1/19

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:	☒ Yes	☐ No	1.
Chain of Custody Filled Out:	☒ Yes	☐ No	2.
Chain of Custody Relinquished:	☒ Yes	☐ No	3.
Sampler Name & Signature on COC:	☒ Yes	☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes	☐ No	5.
Short Hold Time Analysis (<72hr):	☒ Yes	☐ No	6.
Rush Turn Around Time Requested:	☐ Yes	☒ No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☒ Yes	☐ No	8.
Correct Containers Used:	☒ Yes	☐ No	9.
- Pace Containers Used:	☒ Yes	☐ No	
Containers Intact:	☒ Yes	☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No ☐ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes	☐ No	12.
- Includes date/time/ID/Analysis Matrix <u>SL</u> <u>WT</u> <u>OIL</u>			
All containers needing preservation have been checked:	☒ Yes	☐ No ☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # <u>HC857466</u>			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	☒ Yes	☐ No ☐ 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:	☐ Yes	☐ No ☐ N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #			
Residual chlorine strips Lot #			
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No ☐ N/A	15.
Trip Blank Present:	☐ Yes	☐ No ☐ N/A	16.
Trip Blank Custody Seals Present	☐ Yes	☐ No ☐ N/A	
Pace Trip Blank Lot # (if applicable):			

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution: