

July 13, 2018

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

RE: Project: BACT-7/11
Pace Project No.: 7057886

Dear Rob King:
Enclosed are the analytical results for sample(s) received by the laboratory on July 11, 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: BACT-7/11

Pace Project No.: 7057886

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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SAMPLE SUMMARY

Project: BACT-7/11

Pace Project No.: 7057886

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7057886001	HB27	Drinking Water	07/11/18 09:15	07/11/18 16:05
7057886002	HB2	Drinking Water	07/11/18 07:45	07/11/18 16:05
7057886003	HB3	Drinking Water	07/11/18 08:00	07/11/18 16:05
7057886004	HB4	Drinking Water	07/11/18 08:20	07/11/18 16:05
7057886005	HB5	Drinking Water	07/11/18 08:36	07/11/18 16:05
7057886006	HB6	Drinking Water	07/11/18 09:00	07/11/18 16:05
7057886007	HB7	Drinking Water	07/11/18 09:30	07/11/18 16:05
7057886008	HB8	Drinking Water	07/11/18 09:50	07/11/18 16:05
7057886009	HB9	Drinking Water	07/11/18 07:30	07/11/18 16:05
7057886010	HB10	Drinking Water	07/11/18 10:05	07/11/18 16:05
7057886011	HB11	Drinking Water	07/11/18 10:20	07/11/18 16:05

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SAMPLE ANALYTE COUNT

Project: BACT-7/11

Pace Project No.: 7057886

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7057886001	HB27	SM22 9223B Colilert	NML	2
7057886002	HB2	SM22 9223B Colilert	NML	2
7057886003	HB3	SM22 9223B Colilert	NML	2
7057886004	HB4	SM22 9223B Colilert	NML	2
7057886005	HB5	SM22 9223B Colilert	NML	2
7057886006	HB6	SM22 9223B Colilert	NML	2
7057886007	HB7	SM22 9223B Colilert	NML	2
7057886008	HB8	SM22 9223B Colilert	NML	2
7057886009	HB9	SM22 9223B Colilert	NML	2
7057886010	HB10	SM22 9223B Colilert	NML	2
7057886011	HB11	SM22 9223B Colilert	NML	2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BACT-7/11

Pace Project No.: 7057886

Sample: HB27		Lab ID: 7057886001		Collected: 07/11/18 09:15	Received: 07/11/18 16:05	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Chlorine and pH		Analytical Method:								
Field Residual Chlorine	1.04	mg/L			1		07/11/18 09:15		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	07/11/18 18:45	07/12/18 12:45			
E.coli	Absent				1	07/11/18 18:45	07/12/18 12:45			

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ANALYTICAL RESULTS

Project: BACT-7/11

Pace Project No.: 7057886

Sample: HB2		Lab ID: 7057886002		Collected: 07/11/18 07:45	Received: 07/11/18 16:05	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Chlorine and pH		Analytical Method:								
Field Residual Chlorine	1.11	mg/L			1		07/11/18 07:45		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	07/11/18 18:45	07/12/18 12:45			
E.coli	Absent				1	07/11/18 18:45	07/12/18 12:45			

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ANALYTICAL RESULTS

Project: BACT-7/11

Pace Project No.: 7057886

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: HB3									
Lab ID: 7057886003									
Collected: 07/11/18 08:00 Received: 07/11/18 16:05 Matrix: Drinking Water									
Field Chlorine and pH									
Analytical Method:									
Field Residual Chlorine	0.58	mg/L			1		07/11/18 08:00		N3
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Total Coliforms	Absent				1	07/11/18 18:45	07/12/18 12:45		
E.coli	Absent				1	07/11/18 18:45	07/12/18 12:45		

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ANALYTICAL RESULTS

Project: BACT-7/11

Pace Project No.: 7057886

Sample: HB4		Lab ID: 7057886004		Collected: 07/11/18 08:20	Received: 07/11/18 16:05	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH		Analytical Method:							
Field Residual Chlorine	0.68	mg/L			1		07/11/18 08:20		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	07/11/18 18:45	07/12/18 12:45		
E.coli	Absent				1	07/11/18 18:45	07/12/18 12:45		

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ANALYTICAL RESULTS

Project: BACT-7/11

Pace Project No.: 7057886

Sample: HB5		Lab ID: 7057886005		Collected: 07/11/18 08:36	Received: 07/11/18 16:05	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Chlorine and pH		Analytical Method:								
Field Residual Chlorine	0.53	mg/L			1		07/11/18 08:36		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	07/11/18 18:45	07/12/18 12:45			
E.coli	Absent				1	07/11/18 18:45	07/12/18 12:45			

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ANALYTICAL RESULTS

Project: BACT-7/11

Pace Project No.: 7057886

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: HB6									
Lab ID: 7057886006									
Collected: 07/11/18 09:00 Received: 07/11/18 16:05 Matrix: Drinking Water									
Analytical Method:									
Field Chlorine and pH									
Field Residual Chlorine	0.82	mg/L			1		07/11/18 09:00		N3
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
MBIO Total Coliform DW									
Total Coliforms	Absent				1	07/11/18 18:45	07/12/18 12:45		
E.coli	Absent				1	07/11/18 18:45	07/12/18 12:45		

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ANALYTICAL RESULTS

Project: BACT-7/11

Pace Project No.: 7057886

Sample: HB7		Lab ID: 7057886007		Collected: 07/11/18 09:30	Received: 07/11/18 16:05	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH		Analytical Method:							
Field Residual Chlorine	0.78	mg/L			1		07/11/18 09:30		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	07/11/18 18:45	07/12/18 12:45		
E.coli	Absent				1	07/11/18 18:45	07/12/18 12:45		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BACT-7/11

Pace Project No.: 7057886

Sample: HB8		Lab ID: 7057886008		Collected: 07/11/18 09:50	Received: 07/11/18 16:05	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH		Analytical Method:							
Field Residual Chlorine	1.14	mg/L			1		07/11/18 09:50		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	07/11/18 18:45	07/12/18 12:45		
E.coli	Absent				1	07/11/18 18:45	07/12/18 12:45		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BACT-7/11

Pace Project No.: 7057886

Sample: HB9		Lab ID: 7057886009		Collected: 07/11/18 07:30	Received: 07/11/18 16:05	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH		Analytical Method:							
Field Residual Chlorine	0.69	mg/L			1		07/11/18 07:30		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	07/11/18 18:45	07/12/18 12:45		
E.coli	Absent				1	07/11/18 18:45	07/12/18 12:45		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BACT-7/11

Pace Project No.: 7057886

Sample: HB10		Lab ID: 7057886010		Collected: 07/11/18 10:05	Received: 07/11/18 16:05	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH		Analytical Method:							
Field Residual Chlorine	0.66	mg/L			1		07/11/18 10:05		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	07/11/18 18:45	07/12/18 12:45		
E.coli	Absent				1	07/11/18 18:45	07/12/18 12:45		

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ANALYTICAL RESULTS

Project: BACT-7/11

Pace Project No.: 7057886

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: HB11									
Lab ID: 7057886011									
Collected: 07/11/18 10:20 Received: 07/11/18 16:05 Matrix: Drinking Water									
Field Chlorine and pH									
Analytical Method:									
Field Residual Chlorine	0.64	mg/L			1		07/11/18 10:20		N3
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Total Coliforms	Absent				1	07/11/18 18:45	07/12/18 12:45		
E.coli	Absent				1	07/11/18 18:45	07/12/18 12:45		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BACT-7/11
Pace Project No.: 7057886

QC Batch: 74861 Analysis Method: SM22 9223B Colilert
QC Batch Method: SM22 9223B Colilert Analysis Description: TotColDW MBIO Total Coliform
Associated Lab Samples: 7057886001, 7057886002, 7057886003, 7057886004, 7057886005, 7057886006, 7057886007, 7057886008,
7057886009, 7057886010, 7057886011

METHOD BLANK: 344043 Matrix: Drinking Water
Associated Lab Samples: 7057886001, 7057886002, 7057886003, 7057886004, 7057886005, 7057886006, 7057886007, 7057886008,
7057886009, 7057886010, 7057886011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		07/12/18 12:45	
Total Coliforms		Absent		07/12/18 12:45	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: BACT-7/11

Pace Project No.: 7057886

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

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BACT-7/11

Pace Project No.: 7057886

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7057886001	HB27		74885		
7057886002	HB2		74885		
7057886003	HB3		74885		
7057886004	HB4		74885		
7057886005	HB5		74885		
7057886006	HB6		74885		
7057886007	HB7		74885		
7057886008	HB8		74885		
7057886009	HB9		74885		
7057886010	HB10		74885		
7057886011	HB11		74885		
7057886001	HB27	SM22 9223B Colilert	74861	SM22 9223B Colilert	74961
7057886002	HB2	SM22 9223B Colilert	74861	SM22 9223B Colilert	74961
7057886003	HB3	SM22 9223B Colilert	74861	SM22 9223B Colilert	74961
7057886004	HB4	SM22 9223B Colilert	74861	SM22 9223B Colilert	74961
7057886005	HB5	SM22 9223B Colilert	74861	SM22 9223B Colilert	74961
7057886006	HB6	SM22 9223B Colilert	74861	SM22 9223B Colilert	74961
7057886007	HB7	SM22 9223B Colilert	74861	SM22 9223B Colilert	74961
7057886008	HB8	SM22 9223B Colilert	74861	SM22 9223B Colilert	74961
7057886009	HB9	SM22 9223B Colilert	74861	SM22 9223B Colilert	74961
7057886010	HB10	SM22 9223B Colilert	74861	SM22 9223B Colilert	74961
7057886011	HB11	SM22 9223B Colilert	74861	SM22 9223B Colilert	74961

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WO#: 7057886



7057886

747

Sample Request Form PUBLIC WATER SUPPLIER

Date: 7-11-18

Collected By: K. TOTHILLY

Accepted By: *[Signature]*

Cooler Temp: 2.9 °C

C/S WELL OFF LINE

7/11/18 WELL RUN TO SYSTEM

12:10

YES NO VOC'S PRESERVED WITH HCl

Back 1605

Client Info:

HAMPTON BAYS WATER DISTRICT

P.O. BOX 1013

HAMPTON BAYS, NEW YORK 11946

(631) 728-0179

Phone #:

Attn:

Proj. # or (Name):

Bill To:

Copies To:

Sample Info:

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

Date/Time Collected:	Sample Type	Location	Treatment Type	Purpose	Field Readings Cl ₂ pH/Temp	Analysis	Lab No.
7-11-18 <i>9:15 AM</i>	PW	#27	-	RO	1.04 7.35	Baer w/c	001
7-11-18 <i>7:45 AM</i>	PW	#2	-	RO	1.11 7.32	Baer w/c	002
7-11-18 <i>5 AM</i>	PW	#3	-	RO	.58 7.27	Baer w/c	003
7-11-18 <i>8:20 AM</i>	PW	#4	-	RO	.68 7.30	Baer w/c	004
7-11-18 <i>8:30 AM</i>	PW	#5	-	RO	.53 7.38	Baer w/c	005
7-11-18 <i>9:00 AM</i>	PW	#6	-	RO	.82 7.25	Baer w/c	006
7-11-18 <i>9:30 AM</i>	PW	#7	-	RO	.78 7.34	Baer w/c	007
7-11-18 <i>9:50 AM</i>	PW	#8	-	RO	1.14 7.34	Baer w/c	008
7-11-18 <i>7:30 AM</i>	PW	#9	-	RO	.69 7.17	Baer w/c	009
7-11-18 <i>10:05 AM</i>	PW	#10	-	RO	.66 7.27	Baer w/c	010
7-11-18 <i>10:20 AM</i>	PW	#11	-	RO	.64 7.31	Baer w/c	011

Remarks:



Sample Condition Upon Receipt

WO#: 7057886

Client Name:

HBW

PM: SWM Due Date: 08/10/18

CLIENT: HBW

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Temperature Blank Present: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Type of Ice: Wet Blue None

Thermometer Used: TH091

Correction Factor: 0.0

Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.9

Cooler Temperature Corrected (°C): 2.9

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: Ed 7/10/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

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

Table with 16 rows and 2 main columns: Item Description and COMMENTS. Includes checkboxes for Chain of Custody, Sampling, and Analysis conditions.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution: