

November 15, 2018

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

RE: Project: DIST BACT 11/14
Pace Project No.: 7071050

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on November 14, 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: DIST BACT 11/14

Pace Project No.: 7071050

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: DIST BACT 11/14

Pace Project No.: 7071050

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7071050001	HB12	Drinking Water	11/14/18 07:30	11/14/18 17:20
7071050002	HB13	Drinking Water	11/14/18 07:45	11/14/18 17:20
7071050003	HB28	Drinking Water	11/14/18 08:00	11/14/18 17:20
7071050004	HB29	Drinking Water	11/14/18 08:15	11/14/18 17:20
7071050005	HB16	Drinking Water	11/14/18 08:30	11/14/18 17:20
7071050006	HB31	Drinking Water	11/14/18 08:50	11/14/18 17:20
7071050007	HB25	Drinking Water	11/14/18 09:20	11/14/18 17:20
7071050008	HB5A	Drinking Water	11/14/18 09:05	11/14/18 17:20
7071050009	HB21	Drinking Water	11/14/18 09:35	11/14/18 17:20
7071050010	HB19	Drinking Water	11/14/18 09:50	11/14/18 17:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: DIST BACT 11/14

Pace Project No.: 7071050

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7071050001	HB12	SM22 9223B Colilert	AL1	2
7071050002	HB13	SM22 9223B Colilert	AL1	2
7071050003	HB28	SM22 9223B Colilert	AL1	2
7071050004	HB29	SM22 9223B Colilert	AL1	2
7071050005	HB16	SM22 9223B Colilert	AL1	2
7071050006	HB31	SM22 9223B Colilert	AL1	2
7071050007	HB25	SM22 9223B Colilert	AL1	2
7071050008	HB5A	SM22 9223B Colilert	AL1	2
7071050009	HB21	SM22 9223B Colilert	AL1	2
7071050010	HB19	SM22 9223B Colilert	AL1	2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DIST BACT 11/14

Pace Project No.: 7071050

Sample: HB12		Lab ID: 7071050001		Collected: 11/14/18 07:30	Received: 11/14/18 17:20	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	0.49	mg/L			1		11/14/18 07:30		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	11/14/18 19:38	11/15/18 13:38			
E.coli	Absent				1	11/14/18 19:38	11/15/18 13:38			

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ANALYTICAL RESULTS

Project: DIST BACT 11/14

Pace Project No.: 7071050

Sample: HB13		Lab ID: 7071050002		Collected: 11/14/18 07:45	Received: 11/14/18 17:20	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	0.47	mg/L			1		11/14/18 07:45		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	11/14/18 19:38	11/15/18 13:38		
E.coli	Absent				1	11/14/18 19:38	11/15/18 13:38		

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ANALYTICAL RESULTS

Project: DIST BACT 11/14

Pace Project No.: 7071050

Sample: HB28 **Lab ID: 7071050003** Collected: 11/14/18 08:00 Received: 11/14/18 17:20 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	0.48	mg/L			1		11/14/18 08:00		N3
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Total Coliforms	Absent				1	11/14/18 19:38	11/15/18 13:38		
E.coli	Absent				1	11/14/18 19:38	11/15/18 13:38		

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ANALYTICAL RESULTS

Project: DIST BACT 11/14

Pace Project No.: 7071050

Sample: HB29		Lab ID: 7071050004		Collected: 11/14/18 08:15	Received: 11/14/18 17:20	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	0.46	mg/L			1		11/14/18 08:15		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	11/14/18 19:38	11/15/18 13:38			
E.coli	Absent				1	11/14/18 19:38	11/15/18 13:38			

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ANALYTICAL RESULTS

Project: DIST BACT 11/14

Pace Project No.: 7071050

Sample: HB16		Lab ID: 7071050005		Collected: 11/14/18 08:30	Received: 11/14/18 17:20	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	0.36	mg/L			1		11/14/18 08:30		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	11/14/18 19:38	11/15/18 13:38			
E.coli	Absent				1	11/14/18 19:38	11/15/18 13:38			

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ANALYTICAL RESULTS

Project: DIST BACT 11/14

Pace Project No.: 7071050

Sample: HB31		Lab ID: 7071050006		Collected: 11/14/18 08:50	Received: 11/14/18 17:20	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	0.48	mg/L			1		11/14/18 08:50		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	11/14/18 19:38	11/15/18 13:38			
E.coli	Absent				1	11/14/18 19:38	11/15/18 13:38			

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ANALYTICAL RESULTS

Project: DIST BACT 11/14

Pace Project No.: 7071050

Sample: HB25		Lab ID: 7071050007		Collected: 11/14/18 09:20	Received: 11/14/18 17:20	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	0.32	mg/L			1		11/14/18 09:20		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	11/14/18 19:38	11/15/18 13:38			
E.coli	Absent				1	11/14/18 19:38	11/15/18 13:38			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DIST BACT 11/14

Pace Project No.: 7071050

Sample: HB5A		Lab ID: 7071050008		Collected: 11/14/18 09:05	Received: 11/14/18 17:20	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	1.08	mg/L			1		11/14/18 09:05		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	11/14/18 19:38	11/15/18 13:38			
E.coli	Absent				1	11/14/18 19:38	11/15/18 13:38			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DIST BACT 11/14

Pace Project No.: 7071050

Sample: HB21		Lab ID: 7071050009		Collected: 11/14/18 09:35	Received: 11/14/18 17:20	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	0.54	mg/L			1		11/14/18 09:35		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	11/14/18 19:38	11/15/18 13:38			
E.coli	Absent				1	11/14/18 19:38	11/15/18 13:38			

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ANALYTICAL RESULTS

Project: DIST BACT 11/14

Pace Project No.: 7071050

Sample: HB19		Lab ID: 7071050010		Collected: 11/14/18 09:50	Received: 11/14/18 17:20	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	0.58	mg/L			1		11/14/18 10:50		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	11/14/18 19:38	11/15/18 13:38			
E.coli	Absent				1	11/14/18 19:38	11/15/18 13:38			

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QUALITY CONTROL DATA

Project: DIST BACT 11/14
Pace Project No.: 7071050

QC Batch: 91406 Analysis Method: SM22 9223B Colilert
QC Batch Method: SM22 9223B Colilert Analysis Description: TotColDW MBIO Total Coliform
Associated Lab Samples: 7071050001, 7071050002, 7071050003, 7071050004, 7071050005, 7071050006, 7071050007, 7071050008, 7071050009, 7071050010

METHOD BLANK: 421393 Matrix: Drinking Water
Associated Lab Samples: 7071050001, 7071050002, 7071050003, 7071050004, 7071050005, 7071050006, 7071050007, 7071050008, 7071050009, 7071050010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		11/15/18 13:38	
Total Coliforms		Absent		11/15/18 13:38	

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: DIST BACT 11/14

Pace Project No.: 7071050

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: DIST BACT 11/14

Pace Project No.: 7071050

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7071050001	HB12		91422		
7071050002	HB13		91422		
7071050003	HB28		91422		
7071050004	HB29		91422		
7071050005	HB16		91422		
7071050006	HB31		91422		
7071050007	HB25		91422		
7071050008	HB5A		91422		
7071050009	HB21		91422		
7071050010	HB19		91422		
7071050001	HB12	SM22 9223B Colilert	91406	SM22 9223B Colilert	91477
7071050002	HB13	SM22 9223B Colilert	91406	SM22 9223B Colilert	91477
7071050003	HB28	SM22 9223B Colilert	91406	SM22 9223B Colilert	91477
7071050004	HB29	SM22 9223B Colilert	91406	SM22 9223B Colilert	91477
7071050005	HB16	SM22 9223B Colilert	91406	SM22 9223B Colilert	91477
7071050006	HB31	SM22 9223B Colilert	91406	SM22 9223B Colilert	91477
7071050007	HB25	SM22 9223B Colilert	91406	SM22 9223B Colilert	91477
7071050008	HB5A	SM22 9223B Colilert	91406	SM22 9223B Colilert	91477
7071050009	HB21	SM22 9223B Colilert	91406	SM22 9223B Colilert	91477
7071050010	HB19	SM22 9223B Colilert	91406	SM22 9223B Colilert	91477

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WO#: 7071050



7071050

NY 11747
3436

Sample Request Form PUBLIC WATER SUPPLIER

WELL OFF LINE

Date: 11-14-18

WELL RUN TO SYSTEM

Collected By: K. T. [Signature]
Accepted By: [Signature]
Cooler Temp: 3.4 °C

11/14/18
1525

YES NO VOC'S PRESERVED WITH HCl

Back 1720

Client Info:

HAMPTON BAYS WATER DISTRICT
PO. BOX 1013
HAMPTON BAYS, NEW YORK 11946
(631) 728-0179

Phone #: _____
Attn: _____
Proj. # or (Name): _____
Bill To: _____
Copies To: _____

Sample Info:

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

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl ₂	pH/Temp	Analysis	Lab No.
7:30 AM 11-14-18	PW	#12	D	-	RO	.49	7.67	BACT w/ccl	001
7:45 AM 11-14-18	PW	#13	D	-	RO	.47	7.47	BACT w/ccl	002
8:00 AM 11-14-18	PW	#28	D	-	RO	.48	7.31	BACT w/ccl	003
8:15 AM 11-14-18	PW	#29	D	-	RO	.46	7.35	BACT w/ccl	004
8:30 AM 11-14-18	PW	#16	D	-	RO	.36	7.36	BACT w/ccl	005
8:50 AM 11-14-18	PW	#31	D	-	RO	.48	7.37	BACT w/ccl	006
9:20 AM 11-14-18	PW	#25	D	-	RO	.32	7.54	BACT w/ccl	007
9:50 AM 11-14-18	PW	#5A	D	-	RO	1.08	7.45	BACT w/ccl	008
9:35 AM 11-14-18	PW	#21	D	-	RO	1.54	7.54	BACT w/ccl	009
9:50 AM 11-14-18	PW	#19	D	-	RO	.58	7.55	BACT w/ccl	010
11-14-18	GW	WELL 5A	RW	-	S				

Remarks:



Sample Condition Upon Receipt

Client Name: HBW

Proj **WO# : 7071050**
 PM: SWM Due Date: 12/14/18
 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): 3.4 Cooler Temperature Corrected (°C): 3.4

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: 12/14/18

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

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

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

			COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8.
Correct Containers Used:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix SL WT OIL			
All containers needing preservation have been checked	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #			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) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Samples checked for dechlorination: KI starch test strips Lot #	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #			
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____			

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____