

October 04, 2018

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

RE: Project: DIST BACT 10/3
Pace Project No.: 7066743

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on October 03, 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 10/3

Pace Project No.: 7066743

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 10/3

Pace Project No.: 7066743

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7066743001	HB27	Drinking Water	10/03/18 09:05	10/03/18 17:00
7066743002	HB2	Drinking Water	10/03/18 07:45	10/03/18 17:00
7066743003	HB3	Drinking Water	10/03/18 08:00	10/03/18 17:00
7066743004	HB4	Drinking Water	10/03/18 08:15	10/03/18 17:00
7066743005	HB5	Drinking Water	10/03/18 08:30	10/03/18 17:00
7066743006	HB6	Drinking Water	10/03/18 08:48	10/03/18 17:00
7066743007	HB7	Drinking Water	10/03/18 09:20	10/03/18 17:00
7066743008	HB8	Drinking Water	10/03/18 09:35	10/03/18 17:00
7066743009	HB9	Drinking Water	10/03/18 07:30	10/03/18 17:00
7066743010	HB10	Drinking Water	10/03/18 10:10	10/03/18 17:00
7066743011	HB11	Drinking Water	10/03/18 09:50	10/03/18 17:00

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SAMPLE ANALYTE COUNT

Project: DIST BACT 10/3

Pace Project No.: 7066743

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7066743001	HB27	SM22 9223B Colilert	AL1	2
7066743002	HB2	SM22 9223B Colilert	AL1	2
7066743003	HB3	SM22 9223B Colilert	AL1	2
7066743004	HB4	SM22 9223B Colilert	AL1	2
7066743005	HB5	SM22 9223B Colilert	AL1	2
7066743006	HB6	SM22 9223B Colilert	AL1	2
7066743007	HB7	SM22 9223B Colilert	AL1	2
7066743008	HB8	SM22 9223B Colilert	AL1	2
7066743009	HB9	SM22 9223B Colilert	AL1	2
7066743010	HB10	SM22 9223B Colilert	AL1	2
7066743011	HB11	SM22 9223B Colilert	AL1	2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DIST BACT 10/3

Pace Project No.: 7066743

Sample: HB27		Lab ID: 7066743001		Collected: 10/03/18 09:05	Received: 10/03/18 17:00	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	0.65	mg/L			1		10/03/18 09:05		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	10/03/18 18:30	10/04/18 12:30		
E.coli	Absent				1	10/03/18 18:30	10/04/18 12:30		

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ANALYTICAL RESULTS

Project: DIST BACT 10/3

Pace Project No.: 7066743

Sample: HB2		Lab ID: 7066743002		Collected: 10/03/18 07:45	Received: 10/03/18 17:00	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	0.44	mg/L			1		10/03/18 07:45		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	10/03/18 18:30	10/04/18 12:30			
E.coli	Absent				1	10/03/18 18:30	10/04/18 12:30			

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ANALYTICAL RESULTS

Project: DIST BACT 10/3

Pace Project No.: 7066743

Sample: HB3		Lab ID: 7066743003		Collected: 10/03/18 08:00	Received: 10/03/18 17:00	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	0.41	mg/L			1		10/03/18 08:00		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	10/03/18 18:30	10/04/18 12:30			
E.coli	Absent				1	10/03/18 18:30	10/04/18 12:30			

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ANALYTICAL RESULTS

Project: DIST BACT 10/3

Pace Project No.: 7066743

Sample: HB4		Lab ID: 7066743004		Collected: 10/03/18 08:15	Received: 10/03/18 17:00	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		10/03/18 08:15		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	10/03/18 18:30	10/04/18 12:30			
E.coli	Absent				1	10/03/18 18:30	10/04/18 12:30			

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ANALYTICAL RESULTS

Project: DIST BACT 10/3

Pace Project No.: 7066743

Sample: HB5		Lab ID: 7066743005		Collected: 10/03/18 08:30	Received: 10/03/18 17:00	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	0.82	mg/L			1		10/03/18 08:30		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	10/03/18 18:30	10/04/18 12:30		
E.coli	Absent				1	10/03/18 18:30	10/04/18 12:30		

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ANALYTICAL RESULTS

Project: DIST BACT 10/3

Pace Project No.: 7066743

Sample: HB6		Lab ID: 7066743006		Collected: 10/03/18 08:48	Received: 10/03/18 17:00	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	0.64	mg/L			1		10/03/18 08:48		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	10/03/18 18:30	10/04/18 12:30			
E.coli	Absent				1	10/03/18 18:30	10/04/18 12:30			

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ANALYTICAL RESULTS

Project: DIST BACT 10/3

Pace Project No.: 7066743

Sample: HB7		Lab ID: 7066743007		Collected: 10/03/18 09:20	Received: 10/03/18 17:00	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		10/03/18 09:20		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	10/03/18 18:30	10/04/18 12:30		
E.coli	Absent				1	10/03/18 18:30	10/04/18 12:30		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DIST BACT 10/3

Pace Project No.: 7066743

Sample: HB8		Lab ID: 7066743008		Collected: 10/03/18 09:35	Received: 10/03/18 17:00	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	0.77	mg/L			1		10/03/18 09:35		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	10/03/18 18:30	10/04/18 12:30			
E.coli	Absent				1	10/03/18 18:30	10/04/18 12:30			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DIST BACT 10/3

Pace Project No.: 7066743

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: HB10									
Lab ID: 7066743010									
Collected: 10/03/18 10:10 Received: 10/03/18 17:00 Matrix: Drinking Water									
Field Chlorine and pH									
Analytical Method:									
Field Residual Chlorine	0.62	mg/L			1		10/03/18 10:40		N3
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Total Coliforms	Absent				1	10/03/18 18:30	10/04/18 12:30		
E.coli	Absent				1	10/03/18 18:30	10/04/18 12:30		

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ANALYTICAL RESULTS

Project: DIST BACT 10/3

Pace Project No.: 7066743

Sample: HB11		Lab ID: 7066743011		Collected: 10/03/18 09:50	Received: 10/03/18 17:00	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	0.62	mg/L			1		10/03/18 09:50		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	10/03/18 18:30	10/04/18 12:30			
E.coli	Absent				1	10/03/18 18:30	10/04/18 12:30			

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: DIST BACT 10/3

Pace Project No.: 7066743

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 10/3

Pace Project No.: 7066743

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7066743001	HB27		85678		
7066743002	HB2		85678		
7066743003	HB3		85678		
7066743004	HB4		85678		
7066743005	HB5		85678		
7066743006	HB6		85678		
7066743007	HB7		85678		
7066743008	HB8		85678		
7066743009	HB9		85678		
7066743010	HB10		85678		
7066743011	HB11		85678		
7066743001	HB27	SM22 9223B Colilert	85687	SM22 9223B Colilert	85702
7066743002	HB2	SM22 9223B Colilert	85687	SM22 9223B Colilert	85702
7066743003	HB3	SM22 9223B Colilert	85687	SM22 9223B Colilert	85702
7066743004	HB4	SM22 9223B Colilert	85687	SM22 9223B Colilert	85702
7066743005	HB5	SM22 9223B Colilert	85687	SM22 9223B Colilert	85702
7066743006	HB6	SM22 9223B Colilert	85687	SM22 9223B Colilert	85702
7066743007	HB7	SM22 9223B Colilert	85687	SM22 9223B Colilert	85702
7066743008	HB8	SM22 9223B Colilert	85687	SM22 9223B Colilert	85702
7066743009	HB9	SM22 9223B Colilert	85687	SM22 9223B Colilert	85702
7066743010	HB10	SM22 9223B Colilert	85687	SM22 9223B Colilert	85702
7066743011	HB11	SM22 9223B Colilert	85687	SM22 9223B Colilert	85702

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WO#: 7066743



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Sample Request Form PUBLIC WATER SUPPLIER

WELL OFF LINE

Date: 10-3-18

Collected By: K. TUTHILL

Accepted By: *[Signature]*

Cooler Temp: 5.3 °C

10/3/18

1300

Back 1700

WELL RUN TO SYSTEM

YES NO VOC'S PRESERVED WITH HGI

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:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl ₂ pH/Temp	Analysis	Lab No.
4:05AM 10-3-18	PW	#27	D	-	RO	.65 7.37	Baer w/ccl	001
7:45AM 10-3-18	PW	#2	D	-	RO	.44 7.42	Baer w/ccl	002
8:00AM 10-3-18	PW	#3	D	-	RO	.41 7.30	Baer w/ccl	003
8:15AM 10-3-18	PW	#4	D	-	RO	.49 7.39	Baer w/ccl	004
8:30AM 10-3-18	PW	#5	D	-	RO	.82 7.35	Baer w/ccl	005
8:48AM 10-3-18	PW	#6	D	-	RO	.64 7.36	Baer w/ccl	006
9:20AM 10-3-18	PW	#7	D	-	RO	.48 7.41	Baer w/ccl	007
9:35AM 10-3-18	PW	#8	D	-	RO	.77 7.60	Baer w/ccl	008
7:30AM 10-3-18	PW	#9	D	-	RO	.48 7.24	Baer w/ccl	009
10:10AM 10-3-18	PW	#10	D	-	RO	.62 7.51	Baer w/ccl	010
9:50AM 10-3-18	PW	#11	D	-	RO	.67 7.41	Baer w/ccl	011

Remarks: _____



Sample Condition Upon Receipt

WO#: 7066743

Client Name: HBW

Project: PM: SWM Due Date: 11/02/18
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): 3.3 Cooler Temperature Corrected (°C): 3.3

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: CD 10/3/18

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

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

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

			COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input 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 checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix SL WT OIL			
All containers needing preservation have been checked	<input 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)	<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:
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis			
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #			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: _____