

January 10, 2019

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

RE: Project: DIST BACT 1/9
Pace Project No.: 7076045

Dear Rob King:
Enclosed are the analytical results for sample(s) received by the laboratory on January 09, 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: DIST BACT 1/9

Pace Project No.: 7076045

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 1/9

Pace Project No.: 7076045

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7076045001	HB12	Drinking Water	01/09/19 08:00	01/09/19 16:40
7076045002	HB13	Drinking Water	01/09/19 08:15	01/09/19 16:40
7076045003	HB28	Drinking Water	01/09/19 08:31	01/09/19 16:40
7076045004	HB29	Drinking Water	01/09/19 08:45	01/09/19 16:40
7076045005	HB16	Drinking Water	01/09/19 09:00	01/09/19 16:40
7076045006	HB31	Drinking Water	01/09/19 09:30	01/09/19 16:40
7076045007	HB25	Drinking Water	01/09/19 10:00	01/09/19 16:40
7076045008	HB33	Drinking Water	01/09/19 10:15	01/09/19 16:40
7076045009	HB21	Drinking Water	01/09/19 10:30	01/09/19 16:40
7076045010	HB5A	Drinking Water	01/09/19 10:45	01/09/19 16:40

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SAMPLE ANALYTE COUNT

Project: DIST BACT 1/9

Pace Project No.: 7076045

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7076045001	HB12	SM22 9223B Colilert	AL1	2
7076045002	HB13	SM22 9223B Colilert	AL1	2
7076045003	HB28	SM22 9223B Colilert	AL1	2
7076045004	HB29	SM22 9223B Colilert	AL1	2
7076045005	HB16	SM22 9223B Colilert	AL1	2
7076045006	HB31	SM22 9223B Colilert	AL1	2
7076045007	HB25	SM22 9223B Colilert	AL1	2
7076045008	HB33	SM22 9223B Colilert	AL1	2
7076045009	HB21	SM22 9223B Colilert	AL1	2
7076045010	HB5A	SM22 9223B Colilert	AL1	2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DIST BACT 1/9

Pace Project No.: 7076045

Sample: HB12		Lab ID: 7076045001		Collected: 01/09/19 08:00	Received: 01/09/19 16:40	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		01/09/19 08:00		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	01/09/19 19:30	01/10/19 13:30		
E.coli	Absent				1	01/09/19 19:30	01/10/19 13:30		

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ANALYTICAL RESULTS

Project: DIST BACT 1/9

Pace Project No.: 7076045

Sample: HB13 **Lab ID: 7076045002** Collected: 01/09/19 08:15 Received: 01/09/19 16:40 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		01/09/19 08:15		N3
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Total Coliforms	Absent				1	01/09/19 19:30	01/10/19 13:30		
E.coli	Absent				1	01/09/19 19:30	01/10/19 13:30		

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ANALYTICAL RESULTS

Project: DIST BACT 1/9

Pace Project No.: 7076045

Sample: HB28		Lab ID: 7076045003		Collected: 01/09/19 08:31	Received: 01/09/19 16:40	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	0.73	mg/L			1		01/09/19 08:31		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	01/09/19 19:30	01/10/19 13:30			
E.coli	Absent				1	01/09/19 19:30	01/10/19 13:30			

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ANALYTICAL RESULTS

Project: DIST BACT 1/9

Pace Project No.: 7076045

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: HB29									
Lab ID: 7076045004									
Collected: 01/09/19 08:45 Received: 01/09/19 16:40 Matrix: Drinking Water									
Field Chlorine and pH									
Analytical Method:									
Field Residual Chlorine	0.69	mg/L			1		01/09/19 08:45		N3
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Total Coliforms	Absent				1	01/09/19 19:30	01/10/19 13:30		
E.coli	Absent				1	01/09/19 19:30	01/10/19 13:30		

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ANALYTICAL RESULTS

Project: DIST BACT 1/9

Pace Project No.: 7076045

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: HB16									
Lab ID: 7076045005									
Collected: 01/09/19 09:00 Received: 01/09/19 16:40 Matrix: Drinking Water									
Analytical Method:									
Field Chlorine and pH									
Field Residual Chlorine	0.67	mg/L			1		01/09/19 09:00		N3
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
MBIO Total Coliform DW									
Total Coliforms	Absent				1	01/09/19 19:30	01/10/19 13:30		
E.coli	Absent				1	01/09/19 19:30	01/10/19 13:30		

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ANALYTICAL RESULTS

Project: DIST BACT 1/9

Pace Project No.: 7076045

Sample: HB31		Lab ID: 7076045006		Collected: 01/09/19 09:30	Received: 01/09/19 16:40	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	0.39	mg/L			1		01/09/19 09:30		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	01/09/19 19:30	01/10/19 13:30		
E.coli	Absent				1	01/09/19 19:30	01/10/19 13:30		

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ANALYTICAL RESULTS

Project: DIST BACT 1/9

Pace Project No.: 7076045

Sample: HB25		Lab ID: 7076045007		Collected: 01/09/19 10:00	Received: 01/09/19 16:40	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	0.37	mg/L			1		01/09/19 10:00		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	01/09/19 19:30	01/10/19 13:30			
E.coli	Absent				1	01/09/19 19:30	01/10/19 13:30			

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ANALYTICAL RESULTS

Project: DIST BACT 1/9

Pace Project No.: 7076045

Sample: HB33		Lab ID: 7076045008		Collected: 01/09/19 10:15	Received: 01/09/19 16:40	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	0.42	mg/L			1		01/09/19 10:15		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	01/09/19 19:30	01/10/19 13:30			
E.coli	Absent				1	01/09/19 19:30	01/10/19 13:30			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DIST BACT 1/9

Pace Project No.: 7076045

Sample: HB21 **Lab ID: 7076045009** Collected: 01/09/19 10:30 Received: 01/09/19 16:40 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	0.72	mg/L			1		01/09/19 10:30		N3
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Total Coliforms	Absent				1	01/09/19 19:30	01/10/19 13:30		
E.coli	Absent				1	01/09/19 19:30	01/10/19 13:30		

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ANALYTICAL RESULTS

Project: DIST BACT 1/9

Pace Project No.: 7076045

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: HB5A									
Lab ID: 7076045010									
Collected: 01/09/19 10:45 Received: 01/09/19 16:40 Matrix: Drinking Water									
Field Chlorine and pH									
Analytical Method:									
Field Residual Chlorine	0.40	mg/L			1		01/09/19 10:45		N3
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Total Coliforms	Absent				1	01/09/19 19:30	01/10/19 13:30		
E.coli	Absent				1	01/09/19 19:30	01/10/19 13:30		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: DIST BACT 1/9

Pace Project No.: 7076045

QC Batch: 97751

Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert

Analysis Description: TotColDW MBIO Total Coliform

Associated Lab Samples: 7076045001, 7076045002, 7076045003, 7076045004, 7076045005, 7076045006, 7076045007, 7076045008, 7076045009, 7076045010

METHOD BLANK: 451852

Matrix: Drinking Water

Associated Lab Samples: 7076045001, 7076045002, 7076045003, 7076045004, 7076045005, 7076045006, 7076045007, 7076045008, 7076045009, 7076045010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		01/10/19 13:30	
Total Coliforms		Absent		01/10/19 13:30	

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 1/9

Pace Project No.: 7076045

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: DIST BACT 1/9

Pace Project No.: 7076045

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7076045001	HB12		97744		
7076045002	HB13		97744		
7076045003	HB28		97744		
7076045004	HB29		97744		
7076045005	HB16		97744		
7076045006	HB31		97744		
7076045007	HB25		97744		
7076045008	HB33		97744		
7076045009	HB21		97744		
7076045010	HB5A		97744		
7076045001	HB12	SM22 9223B Colilert	97751	SM22 9223B Colilert	97799
7076045002	HB13	SM22 9223B Colilert	97751	SM22 9223B Colilert	97799
7076045003	HB28	SM22 9223B Colilert	97751	SM22 9223B Colilert	97799
7076045004	HB29	SM22 9223B Colilert	97751	SM22 9223B Colilert	97799
7076045005	HB16	SM22 9223B Colilert	97751	SM22 9223B Colilert	97799
7076045006	HB31	SM22 9223B Colilert	97751	SM22 9223B Colilert	97799
7076045007	HB25	SM22 9223B Colilert	97751	SM22 9223B Colilert	97799
7076045008	HB33	SM22 9223B Colilert	97751	SM22 9223B Colilert	97799
7076045009	HB21	SM22 9223B Colilert	97751	SM22 9223B Colilert	97799
7076045010	HB5A	SM22 9223B Colilert	97751	SM22 9223B Colilert	97799

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WO#: 7076045



7076045

11747
36

Sample Request Form PUBLIC WATER SUPPLIER

Date: 1-9-19

Collected By: *K. J. [Signature]*

Accepted By: *[Signature]*

Cooler Temp: 4.6 °C

WELL OFF LINE

WELL RUN TO SYSTEM

YES NO VOC'S PRESERVED WITH HGI

Client Info:
Name or Code: HAMPTON BAYS WATER DISTRICT
Address: PO. BOX 1013
HAMPTON BAYS, NEW YORK 11946
(631) 728-0179

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

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 ₂	pH/Temp	Analysis	Lab No.
1-9-19 8:00	PW	#12	D	-	RO	0.41		BACT w/Cl ₂	
1-9-19 8:15	PW	#13	D	-	RO	0.82		BACT w/Cl ₂	
1-9-19 8:31	PW	#28	D	-	RO	0.73		BACT w/Cl ₂	
1-9-19 8:45	PW	#29	D	-	RO	0.69		BACT w/Cl ₂	
1-9-19 9:00	PW	#16	D	-	RO	0.67		BACT w/Cl ₂	
1-9-19 9:30	PW	#31	D	-	RO	0.39		BACT w/Cl ₂	
1-9-19 10:00	PW	#25	D	-	RO	0.37		BACT w/Cl ₂	
1-9-19 10:15	PW	#33	D	-	RO	0.42		BACT w/Cl ₂	
1-9-19 10:30	PW	#21	D	-	RO	0.72		BACT w/Cl ₂	
1-9-19 10:45	PW	#52	D	-	RO	0.40		BACT w/Cl ₂	



Sample Condition Upon Receipt

WO#: 7076045

Client Name: HBW

Project: PM: SWM Due Date: 02/08/19
 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): 4.6 Cooler Temperature Corrected (°C): 4.6

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: 1/9/19

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:	<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 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 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. <u>Time of collection taken from Bottles</u>
-Includes date/time/ID/Analysis Matrix <u>SL (W)</u> 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). <u>W</u> 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. Positive for Res. Chlorine? Y N
KI starch test strips Lot #		
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: _____