

December 14, 2018

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

RE: Project: DIST BACT 12/12
Pace Project No.: 7073890

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on December 12, 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

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: DIST BACT 12/12

Pace Project No.: 7073890

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 12/12

Pace Project No.: 7073890

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7073890001	HB22	Drinking Water	12/12/18 08:15	12/12/18 15:15
7073890002	HB13	Drinking Water	12/12/18 07:30	12/12/18 15:15
7073890003	HB28	Drinking Water	12/12/18 07:45	12/12/18 15:15
7073890004	HB29	Drinking Water	12/12/18 08:00	12/12/18 15:15
7073890005	HB16	Drinking Water	12/12/18 08:35	12/12/18 15:15
7073890006	HB31	Drinking Water	12/12/18 08:55	12/12/18 15:15
7073890007	HB25	Drinking Water	12/12/18 09:10	12/12/18 15:15
7073890008	HB19	Drinking Water	12/12/18 09:30	12/12/18 15:15
7073890009	HB21	Drinking Water	12/12/18 09:50	12/12/18 15:15
7073890010	HB5A	Drinking Water	12/12/18 10:10	12/12/18 15:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: DIST BACT 12/12

Pace Project No.: 7073890

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7073890001	HB22	SM22 9223B Colilert	AL1	2
7073890002	HB13	SM22 9223B Colilert	AL1	2
7073890003	HB28	SM22 9223B Colilert	AL1	2
7073890004	HB29	SM22 9223B Colilert	AL1	2
7073890005	HB16	SM22 9223B Colilert	AL1	2
7073890006	HB31	SM22 9223B Colilert	AL1	2
7073890007	HB25	SM22 9223B Colilert	AL1	2
7073890008	HB19	SM22 9223B Colilert	AL1	2
7073890009	HB21	SM22 9223B Colilert	AL1	2
7073890010	HB5A	SM22 9223B Colilert	AL1	2

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ANALYTICAL RESULTS

Project: DIST BACT 12/12

Pace Project No.: 7073890

Sample: HB22		Lab ID: 7073890001		Collected: 12/12/18 08:15	Received: 12/12/18 15:15	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		12/12/18 08:15		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	12/12/18 19:27	12/13/18 13:27			
E.coli	Absent				1	12/12/18 19:27	12/13/18 13:27			

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ANALYTICAL RESULTS

Project: DIST BACT 12/12

Pace Project No.: 7073890

Sample: HB13 **Lab ID: 7073890002** Collected: 12/12/18 07:30 Received: 12/12/18 15:15 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		12/12/18 07:30		N3
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Total Coliforms	Absent				1	12/12/18 19:27	12/13/18 13:27		
E.coli	Absent				1	12/12/18 19:27	12/13/18 13:27		

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ANALYTICAL RESULTS

Project: DIST BACT 12/12

Pace Project No.: 7073890

Sample: HB28		Lab ID: 7073890003		Collected: 12/12/18 07:45	Received: 12/12/18 15:15	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		12/12/18 07:45		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	12/12/18 19:27	12/13/18 13:27			
E.coli	Absent				1	12/12/18 19:27	12/13/18 13:27			

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ANALYTICAL RESULTS

Project: DIST BACT 12/12

Pace Project No.: 7073890

Sample: HB29		Lab ID: 7073890004		Collected: 12/12/18 08:00	Received: 12/12/18 15:15	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		12/12/18 07:45		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	12/12/18 19:27	12/13/18 13:27			
E.coli	Absent				1	12/12/18 19:27	12/13/18 13:27			

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ANALYTICAL RESULTS

Project: DIST BACT 12/12

Pace Project No.: 7073890

Sample: HB16		Lab ID: 7073890005		Collected: 12/12/18 08:35	Received: 12/12/18 15:15	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		12/12/18 08:35		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	12/12/18 19:27	12/13/18 13:27			
E.coli	Absent				1	12/12/18 19:27	12/13/18 13:27			

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ANALYTICAL RESULTS

Project: DIST BACT 12/12

Pace Project No.: 7073890

Sample: HB31		Lab ID: 7073890006		Collected: 12/12/18 08:55	Received: 12/12/18 15:15	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		12/12/18 08:55		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	12/12/18 19:27	12/13/18 13:27			
E.coli	Absent				1	12/12/18 19:27	12/13/18 13:27			

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ANALYTICAL RESULTS

Project: DIST BACT 12/12

Pace Project No.: 7073890

Sample: HB25		Lab ID: 7073890007		Collected: 12/12/18 09:10	Received: 12/12/18 15:15	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		12/12/18 09:10		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	12/12/18 19:27	12/13/18 13:27			
E.coli	Absent				1	12/12/18 19:27	12/13/18 13:27			

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ANALYTICAL RESULTS

Project: DIST BACT 12/12

Pace Project No.: 7073890

Sample: HB19		Lab ID: 7073890008		Collected: 12/12/18 09:30	Received: 12/12/18 15:15	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		12/12/18 09:30		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	12/12/18 19:27	12/13/18 13:27			
E.coli	Absent				1	12/12/18 19:27	12/13/18 13:27			

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ANALYTICAL RESULTS

Project: DIST BACT 12/12

Pace Project No.: 7073890

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: HB21									
Lab ID: 7073890009									
Collected: 12/12/18 09:50 Received: 12/12/18 15:15 Matrix: Drinking Water									
Field Chlorine and pH									
Analytical Method:									
Field Residual Chlorine	0.48	mg/L			1		12/12/18 09:50		N3
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Total Coliforms	Absent				1	12/12/18 19:27	12/13/18 13:27		
E.coli	Absent				1	12/12/18 19:27	12/13/18 13:27		

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ANALYTICAL RESULTS

Project: DIST BACT 12/12

Pace Project No.: 7073890

Sample: HB5A		Lab ID: 7073890010		Collected: 12/12/18 10:10	Received: 12/12/18 15:15	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	0.59	mg/L			1		12/12/18 10:10		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	12/12/18 19:27	12/13/18 13:27			
E.coli	Absent				1	12/12/18 19:27	12/13/18 13:27			

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QUALIFIERS

Project: DIST BACT 12/12

Pace Project No.: 7073890

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 12/12

Pace Project No.: 7073890

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7073890001	HB22		94928		
7073890002	HB13		94928		
7073890003	HB28		94928		
7073890004	HB29		94928		
7073890005	HB16		94928		
7073890006	HB31		94928		
7073890007	HB25		94928		
7073890008	HB19		94928		
7073890009	HB21		94928		
7073890010	HB5A		94928		
7073890001	HB22	SM22 9223B Colilert	94816	SM22 9223B Colilert	94898
7073890002	HB13	SM22 9223B Colilert	94816	SM22 9223B Colilert	94898
7073890003	HB28	SM22 9223B Colilert	94816	SM22 9223B Colilert	94898
7073890004	HB29	SM22 9223B Colilert	94816	SM22 9223B Colilert	94898
7073890005	HB16	SM22 9223B Colilert	94816	SM22 9223B Colilert	94898
7073890006	HB31	SM22 9223B Colilert	94816	SM22 9223B Colilert	94898
7073890007	HB25	SM22 9223B Colilert	94816	SM22 9223B Colilert	94898
7073890008	HB19	SM22 9223B Colilert	94816	SM22 9223B Colilert	94898
7073890009	HB21	SM22 9223B Colilert	94816	SM22 9223B Colilert	94898
7073890010	HB5A	SM22 9223B Colilert	94816	SM22 9223B Colilert	94898

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WO# : 7073890



NY 11747
3436

Sample Request Form PUBLIC WATER SUPPLIER

WELL OFF LINE

Date: 12-12-18

WELL RUN TO SYSTEM

Collected By: K. T. Smith

Accepted By: [Signature]

Cooler Temp: 2.6 °C

12/12/18
1305
Bac k 1515

YES NO VOC'S PRESERVED WITH HCl

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	

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 Info:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl ₂	Field Readings pH/Temp	Analysis	Lab No.
8:15AM 12-12-18	PW	#22	D	-	RO	.54	7.21	BACT w/cl	
7:30AM 12-12-18	PW	#13	D	-	RO	.42	7.18	BACT w/cl	
7:45AM 12-12-18	PW	#28	D	-	RO	.47	7.24	BACT w/cl	
8:00AM 12-12-18	PW	#29	D	-	RO	.41	7.10	BACT w/cl	
8:35AM 12-12-18	PW	#16	D	-	RO	.46	7.07	BACT w/cl	
8:55AM 12-12-18	PW	#31	D	-	RO	.44	7.17	BACT w/cl	
9:10AM 12-12-18	PW	#25	D	-	RO	.48	7.21	BACT w/cl	
9:30AM 12-12-18	PW	#19	D	-	RO	.53	7.17	BACT w/cl	
9:50AM 12-12-18	PW	#21	D	-	RO	.48	7.08	BACT w/cl	
10:10AM 12-12-18	PW	#5A	D	-	RO	.59	7.04	BACT w/cl	

Remarks:



Sample Condition Upon Receipt

Client Name: HBW

Project

WO#: 7073890

PM: SWM Due Date: 01/11/19

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): 2.6 Cooler Temperature Corrected (°C): 2.6

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: CD 12/12/18

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 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.
-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	
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:	<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: _____