

August 10, 2018

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

RE: Project: DIST BACT 8/8
Pace Project No.: 7060931

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on August 08, 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 8/8

Pace Project No.: 7060931

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 8/8

Pace Project No.: 7060931

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7060931001	HB12	Drinking Water	08/08/18 07:40	08/08/18 15:50
7060931002	HB13	Drinking Water	08/08/18 07:55	08/08/18 15:50
7060931003	HB28	Drinking Water	08/08/18 08:16	08/08/18 15:50
7060931004	HB29	Drinking Water	08/08/18 08:25	08/08/18 15:50
7060931005	HB16	Drinking Water	08/08/18 08:40	08/08/18 15:50
7060931006	HB31	Drinking Water	08/08/18 08:55	08/08/18 15:50
7060931007	HB25	Drinking Water	08/08/18 09:10	08/08/18 15:50
7060931008	HB19	Drinking Water	08/08/18 10:00	08/08/18 15:50
7060931009	HB21	Drinking Water	08/08/18 09:25	08/08/18 15:50
7060931010	HB5A	Drinking Water	08/08/18 09:45	08/08/18 15:50

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SAMPLE ANALYTE COUNT

Project: DIST BACT 8/8

Pace Project No.: 7060931

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7060931001	HB12	SM22 9223B Colilert	NML	2
7060931002	HB13	SM22 9223B Colilert	NML	2
7060931003	HB28	SM22 9223B Colilert	NML	2
7060931004	HB29	SM22 9223B Colilert	NML	2
7060931005	HB16	SM22 9223B Colilert	NML	2
7060931006	HB31	SM22 9223B Colilert	NML	2
7060931007	HB25	SM22 9223B Colilert	NML	2
7060931008	HB19	SM22 9223B Colilert	NML	2
7060931009	HB21	SM22 9223B Colilert	NML	2
7060931010	HB5A	SM22 9223B Colilert	NML	2

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ANALYTICAL RESULTS

Project: DIST BACT 8/8

Pace Project No.: 7060931

Sample: HB12		Lab ID: 7060931001		Collected: 08/08/18 07:40	Received: 08/08/18 15:50	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	0.79	mg/L			1		08/08/18 07:40		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	08/08/18 18:40	08/09/18 12:40			
E.coli	Absent				1	08/08/18 18:40	08/09/18 12:40			

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ANALYTICAL RESULTS

Project: DIST BACT 8/8

Pace Project No.: 7060931

Sample: HB13		Lab ID: 7060931002		Collected: 08/08/18 07:55	Received: 08/08/18 15:50	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	0.85	mg/L			1		08/08/18 07:55		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	08/08/18 18:40	08/09/18 12:40		
E.coli	Absent				1	08/08/18 18:40	08/09/18 12:40		

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ANALYTICAL RESULTS

Project: DIST BACT 8/8

Pace Project No.: 7060931

Sample: HB28		Lab ID: 7060931003		Collected: 08/08/18 08:16	Received: 08/08/18 15:50	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		08/08/18 08:10		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	08/08/18 18:40	08/09/18 12:40		
E.coli	Absent				1	08/08/18 18:40	08/09/18 12:40		

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ANALYTICAL RESULTS

Project: DIST BACT 8/8

Pace Project No.: 7060931

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: HB29 Lab ID: 7060931004 Collected: 08/08/18 08:25 Received: 08/08/18 15:50 Matrix: Drinking Water									
Field Chlorine and pH									
Analytical Method:									
Field Residual Chlorine	0.73	mg/L			1		08/08/18 08:25		N3
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Total Coliforms	Absent				1	08/08/18 18:40	08/09/18 12:40		
E.coli	Absent				1	08/08/18 18:40	08/09/18 12:40		

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ANALYTICAL RESULTS

Project: DIST BACT 8/8

Pace Project No.: 7060931

Sample: HB16		Lab ID: 7060931005		Collected: 08/08/18 08:40	Received: 08/08/18 15:50	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		08/08/18 08:40		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	08/08/18 18:40	08/09/18 12:40		
E.coli	Absent				1	08/08/18 18:40	08/09/18 12:40		

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ANALYTICAL RESULTS

Project: DIST BACT 8/8

Pace Project No.: 7060931

Sample: HB31		Lab ID: 7060931006		Collected: 08/08/18 08:55	Received: 08/08/18 15:50	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	0.92	mg/L			1		08/08/18 08:55		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	08/08/18 18:40	08/09/18 12:40			
E.coli	Absent				1	08/08/18 18:40	08/09/18 12:40			

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ANALYTICAL RESULTS

Project: DIST BACT 8/8

Pace Project No.: 7060931

Sample: HB25		Lab ID: 7060931007		Collected: 08/08/18 09:10	Received: 08/08/18 15:50	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		08/08/18 09:10		N3	
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert								
Total Coliforms	Absent				1	08/08/18 18:40	08/09/18 12:40			
E.coli	Absent				1	08/08/18 18:40	08/09/18 12:40			

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ANALYTICAL RESULTS

Project: DIST BACT 8/8

Pace Project No.: 7060931

Sample: HB19		Lab ID: 7060931008		Collected: 08/08/18 10:00	Received: 08/08/18 15:50	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		08/08/18 10:00		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	08/08/18 18:40	08/09/18 12:40		
E.coli	Absent				1	08/08/18 18:40	08/09/18 12:40		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DIST BACT 8/8

Pace Project No.: 7060931

Sample: HB21		Lab ID: 7060931009		Collected: 08/08/18 09:25	Received: 08/08/18 15:50	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	0.63	mg/L			1		08/08/18 09:25		N3
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	08/08/18 18:40	08/09/18 12:40		
E.coli	Absent				1	08/08/18 18:40	08/09/18 12:40		

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ANALYTICAL RESULTS

Project: DIST BACT 8/8

Pace Project No.: 7060931

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: HB5A									
Lab ID: 7060931010									
Collected: 08/08/18 09:45 Received: 08/08/18 15:50 Matrix: Drinking Water									
Field Chlorine and pH									
Analytical Method:									
Field Residual Chlorine	0.46	mg/L			1		08/08/18 09:45		N3
MBIO Total Coliform DW									
Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert									
Total Coliforms	Absent				1	08/08/18 18:40	08/09/18 12:40		
E.coli	Absent				1	08/08/18 18:40	08/09/18 12:40		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: DIST BACT 8/8

Pace Project No.: 7060931

QC Batch: 78531 Analysis Method: SM22 9223B Colilert
 QC Batch Method: SM22 9223B Colilert Analysis Description: TotColDW MBIO Total Coliform
 Associated Lab Samples: 7060931001, 7060931002, 7060931003, 7060931004, 7060931005, 7060931006, 7060931007, 7060931008, 7060931009, 7060931010

METHOD BLANK: 361102 Matrix: Drinking Water
 Associated Lab Samples: 7060931001, 7060931002, 7060931003, 7060931004, 7060931005, 7060931006, 7060931007, 7060931008, 7060931009, 7060931010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		08/09/18 12:40	
Total Coliforms		Absent		08/09/18 12:40	

SAMPLE DUPLICATE: 361103

Parameter	Units	7060933001 Result	Dup Result	RPD	Max RPD	Qualifiers
E.coli		Absent	Absent			
Total Coliforms		Absent	Absent			

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 8/8

Pace Project No.: 7060931

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 8/8

Pace Project No.: 7060931

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7060931001	HB12		78562		
7060931002	HB13		78562		
7060931003	HB28		78562		
7060931004	HB29		78562		
7060931005	HB16		78562		
7060931006	HB31		78562		
7060931007	HB25		78562		
7060931008	HB19		78562		
7060931009	HB21		78562		
7060931010	HB5A		78562		
7060931001	HB12	SM22 9223B Colilert	78531	SM22 9223B Colilert	78733
7060931002	HB13	SM22 9223B Colilert	78531	SM22 9223B Colilert	78733
7060931003	HB28	SM22 9223B Colilert	78531	SM22 9223B Colilert	78733
7060931004	HB29	SM22 9223B Colilert	78531	SM22 9223B Colilert	78733
7060931005	HB16	SM22 9223B Colilert	78531	SM22 9223B Colilert	78733
7060931006	HB31	SM22 9223B Colilert	78531	SM22 9223B Colilert	78733
7060931007	HB25	SM22 9223B Colilert	78531	SM22 9223B Colilert	78733
7060931008	HB19	SM22 9223B Colilert	78531	SM22 9223B Colilert	78733
7060931009	HB21	SM22 9223B Colilert	78531	SM22 9223B Colilert	78733
7060931010	HB5A	SM22 9223B Colilert	78531	SM22 9223B Colilert	78733

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WO#: 7060931



7060931

1747

Sample Request Form PUBLIC WATER SUPPLIER

WELL OFF LINE

WELL RUN TO SYSTEM

YES NO VOC'S PRESERVED WITH HCl

Date: 8-8-18

Collected By: K. JUTHILLU

Accepted By: *[Signature]*

Cooler Temp: 2.4 °C

1300
Buck
10:30

Client Info:

Name or Code: HAMPTON BAYS WATER DISTRICT

Address: PO BOX 4013
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	Field Readings pH/Temp	Analysis	Lab No.
7:40 AM 8-8-18	PW	#12	D	-	RO	.79	7.38	BACT w/c	001
7:55 AM 8-8-18	PW	#13	D	-	RO	.85	7.21	BACT w/c	002
8:10 AM 8-8-18	PW	#28	D	-	RO	.59	7.21	BACT w/c	003
8:25 AM 8-8-18	PW	#29	D	-	RO	.73	7.19	BACT w/c	004
8:40 AM 8-8-18	PW	#16	D	-	RO	.72	7.24	BACT w/c	005
8:55 AM 8-8-18	PW	#31	D	-	RO	.92	7.40	BACT w/c	006
9:10 AM 8-8-18	PW	#25	D	-	RO	.82	7.29	BACT w/c	007
10:00 AM 8-8-18	PW	#19	D	-	RO	.72	7.39	BACT w/c	008
9:25 AM 8-8-18	PW	#21	D	-	RO	.63	7.30	BACT w/c	009
9:45 AM 8-8-18	PW	#5A	D	-	RO	.46	7.54	BACT w/c	010

Remarks:



Sample Condition Upon Receipt

WO#: 7060931

Client Name: HBW

Project: PM: SWM Due Date: 09/07/18

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): 24 Cooler Temperature Corrected (°C): 24

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: JK 8/18/18

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 3 columns: Item description, Yes/No/N/A checkboxes, and Comments. Includes items like Chain of Custody Present, Sample Labels match COC, and pH paper Lot #.

Client Notification/ Resolution: Field Data Required? Y / N Date/Time:

Person Contacted: Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.