

April 15, 2020

Supt. Rich McCuen  
Hampton Bays Water District  
P.O. Box 1013  
Hampton Bays, NY 11946

RE: Project: BACT 4/14  
Pace Project No.: 70127961

Dear Supt. McCuen:

Enclosed are the analytical results for sample(s) received by the laboratory on April 14, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kimberley M. Mack  
kimberley.mack@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: BACT 4/14

Pace Project No.: 70127961

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### **Pace Analytical Services Long Island**

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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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: BACT 4/14

Pace Project No.: 70127961

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70127961001	S-15687	Drinking Water	04/14/20 07:56	04/14/20 11:08
70127961002	S-24848	Drinking Water	04/14/20 07:52	04/14/20 11:08
70127961003	S-31636	Drinking Water	04/14/20 07:48	04/14/20 11:08
70127961004	BLEND INF	Drinking Water	04/14/20 08:03	04/14/20 11:08

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### SAMPLE ANALYTE COUNT

Project: BACT 4/14

Pace Project No.: 70127961

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70127961001	S-15687	SM22 9223B Colilert	GFD	2
70127961002	S-24848	SM22 9223B Colilert	GFD	2
70127961003	S-31636	SM22 9223B Colilert	GFD	2
70127961004	BLEND INF	SM22 9223B Colilert	GFD	2

PACE-MV = Pace Analytical Services - Melville

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### ANALYTICAL RESULTS

Project: BACT 4/14

Pace Project No.: 70127961

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**Sample: S-15687**      **Lab ID: 70127961001**      Collected: 04/14/20 07:56      Received: 04/14/20 11:08      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
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**MBIO Total Coliform DW**

Analytical Method: SM22 9223B Colilert      Preparation Method: SM22 9223B Colilert  
Pace Analytical Services - Melville

Total Coliforms	<b>Absent</b>				1	04/14/20 17:30	04/15/20 11:30		
E.coli	<b>Absent</b>				1	04/14/20 17:30	04/15/20 11:30		

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### ANALYTICAL RESULTS

Project: BACT 4/14

Pace Project No.: 70127961

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**Sample: S-24848**      **Lab ID: 70127961002**      Collected: 04/14/20 07:52      Received: 04/14/20 11:08      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	------------	----	----------	----------	---------	------

**MBIO Total Coliform DW**      Analytical Method: SM22 9223B Colilert      Preparation Method: SM22 9223B Colilert  
Pace Analytical Services - Melville

Total Coliforms	<b>Absent</b>				1	04/14/20 17:30	04/15/20 11:30		
E.coli	<b>Absent</b>				1	04/14/20 17:30	04/15/20 11:30		

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### ANALYTICAL RESULTS

Project: BACT 4/14

Pace Project No.: 70127961

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**Sample: S-31636**      **Lab ID: 70127961003**      Collected: 04/14/20 07:48      Received: 04/14/20 11:08      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
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**MBIO Total Coliform DW**      Analytical Method: SM22 9223B Colilert      Preparation Method: SM22 9223B Colilert  
Pace Analytical Services - Melville

Total Coliforms	<b>Absent</b>				1	04/14/20 17:30	04/15/20 11:30		
E.coli	<b>Absent</b>				1	04/14/20 17:30	04/15/20 11:30		

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### ANALYTICAL RESULTS

Project: BACT 4/14

Pace Project No.: 70127961

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**Sample: BLEND INF**      **Lab ID: 70127961004**      Collected: 04/14/20 08:03      Received: 04/14/20 11:08      Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	------------	----	----------	----------	---------	------

**MBIO Total Coliform DW**      Analytical Method: SM22 9223B Colilert      Preparation Method: SM22 9223B Colilert  
Pace Analytical Services - Melville

Total Coliforms	<b>Absent</b>				1	04/14/20 17:30	04/15/20 11:30		
E.coli	<b>Absent</b>				1	04/14/20 17:30	04/15/20 11:30		

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### QUALITY CONTROL DATA

Project: BACT 4/14

Pace Project No.: 70127961

QC Batch: 156991

Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert

Analysis Description: TotColDW MBIO Total Coliform

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70127961001, 70127961002, 70127961003, 70127961004

METHOD BLANK: 756536

Matrix: Drinking Water

Associated Lab Samples: 70127961001, 70127961002, 70127961003, 70127961004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		04/15/20 11:30	
Total Coliforms		Absent		04/15/20 11:30	

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: BACT 4/14

Pace Project No.: 70127961

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### 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.

### SAMPLE QUALIFIERS

Sample: 70127961001

[1] RUN TO WASTE

Sample: 70127961002

[1] RUN TO WASTE

Sample: 70127961003

[1] RUN TO WASTE

Sample: 70127961004

[1] RUN TO WASTE

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: BACT 4/14

Pace Project No.: 70127961

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70127961001	S-15687	SM22 9223B Colilert	156991	SM22 9223B Colilert	157027
70127961002	S-24848	SM22 9223B Colilert	156991	SM22 9223B Colilert	157027
70127961003	S-31636	SM22 9223B Colilert	156991	SM22 9223B Colilert	157027
70127961004	BLEND INF	SM22 9223B Colilert	156991	SM22 9223B Colilert	157027

**REPORT OF LABORATORY ANALYSIS**

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WO#: 70127961



70127961

(631) 674-0000

# Sample Request Form PUBLIC WATER SUPPLIER

WELL OFF LINE 1-1, 1-2, 1-3, B, EFF  
B, E, Vess A, Vess B  
 WELL RUN TO SYSTEM 5-1

Date: 4-14-20

Collected By: W Booth

Accepted By: [Signature] °C

Cooler Temp: 4/14/20 11.08

**Client Info:** HAMPTON BAYS WATER DISTRICT

Name or Code: P.O. BOX 1013  
Address: 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 <sub>2</sub> pH/Temp	Analysis	Lab No.
7:56 4-14-20	GW	WELL 1-1	RW	-	RE		BACT	001
7:52 4-14-20	GW	WELL 1-2	RW	-	RE		BACT	002
7:48 4-14-20	GW	WELL 1-3	RW	-	RE		BACT	003
8:03 4-14-20	GW	BLEND INF.	RW	-	RE		BACT	004
8:15 4-14-20	GW	GAC Vessel A	RW	-	RE	8:15, 8:14, 8:30 8:45, 9:15	BACT - 5/4, 1min, 15min, 30min, 1HR	
8:15 4-14-20	GW	GAC Vessel B	RW	-	RE	8:15, 8:14, 8:30 8:45, 9:15	BACT - 5/4, 1min, 15min, 30min, 1HR	
8:15 4-14-20	GW	BLEND EFF	RW	-	RE	8:15, 8:14, 8:30 8:45, 9:15	BACT - 5/4, 1min, 15min, 30min, 1HR	
9:55 4-14-20	GW	WELL 5-1	RW	-	S		IRON, MANG	005

**Remarks:**

Well 1-1, Well 1-2, Well 1-3 BLEND INF, BLEND EFF, Vess A, Vess B & ALL  
WENT TO BLOW OFF.



Sample Condition Upon Receipt

Client Name: HBW

Proj#

WO#: 70127961

PM: KMM

Due Date: 05/14/20

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: +0.2

Cooler Temperature (°C): 5.4

Cooler Temperature Corrected (°C): 5.6

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: 4/14/20 CO

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 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 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 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 <u>W</u> OIL			
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.	<input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>HC480570</u>			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	<input checked="" 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.	
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: \_\_\_\_\_