

July 10, 2018

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

RE: Project: METALS 7/9  
Pace Project No.: 7057507

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on July 09, 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,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: METALS 7/9

Pace Project No.: 7057507

---

### 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

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## SAMPLE SUMMARY

Project: METALS 7/9

Pace Project No.: 7057507

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7057507001	KAPPERS	Drinking Water	07/09/18 10:45	07/09/18 15:45
7057507002	BOOTH	Drinking Water	07/09/18 10:10	07/09/18 15:45
7057507003	MOLHARS	Drinking Water	07/09/18 10:52	07/09/18 15:45
7057507004	CONNOLLY	Drinking Water	07/09/18 10:20	07/09/18 15:45
7057507005	GALGANO	Drinking Water	07/09/18 10:30	07/09/18 15:45

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: METALS 7/9

Pace Project No.: 7057507

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7057507001	KAPPERS	EPA 200.7	JMW	4
7057507002	BOOTH	EPA 200.7	JMW	4
7057507003	MOLHARS	EPA 200.7	JMW	4
7057507004	CONNOLLY	EPA 200.7	JMW	4
7057507005	GALGANO	EPA 200.7	JMW	4

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: METALS 7/9

Pace Project No.: 7057507

Sample: KAPPERS		Lab ID: 7057507001		Collected: 07/09/18 10:45	Received: 07/09/18 15:45	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.7 MET ICP, Drinking Water</b>		Analytical Method: EPA 200.7							
Ca Hardness as CaCO <sub>3</sub> (SM 2340B)	<b>11.6</b>	mg/L	0.50		1		07/10/18 11:12		
Iron	<b>0.53</b>	mg/L	0.020		1		07/10/18 11:12	7439-89-6	
Manganese	<b>0.040</b>	mg/L	0.010		1		07/10/18 11:12	7439-96-5	
Sodium	<b>26.9</b>	mg/L	0.20		1		07/10/18 11:12	7440-23-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: METALS 7/9

Pace Project No.: 7057507

Sample: BOOTH		Lab ID: 7057507002		Collected: 07/09/18 10:10	Received: 07/09/18 15:45	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.7 MET ICP, Drinking Water</b>		Analytical Method: EPA 200.7							
Ca Hardness as CaCO <sub>3</sub> (SM 2340B)	<b>10.8</b>	mg/L	0.50		1		07/10/18 11:16		
Iron	<b>0.57</b>	mg/L	0.020		1		07/10/18 11:16	7439-89-6	
Manganese	<b>0.039</b>	mg/L	0.010		1		07/10/18 11:16	7439-96-5	
Sodium	<b>24.5</b>	mg/L	0.20		1		07/10/18 11:16	7440-23-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: METALS 7/9

Pace Project No.: 7057507

<b>Sample: MOLHARS</b>		<b>Lab ID: 7057507003</b>		Collected: 07/09/18 10:52	Received: 07/09/18 15:45	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.7 MET ICP, Drinking Water</b>		Analytical Method: EPA 200.7							
Ca Hardness as CaCO <sub>3</sub> (SM 2340B)	<b>15.2</b>	mg/L	0.50		1		07/10/18 11:20		
Iron	<b>0.74</b>	mg/L	0.020		1		07/10/18 11:20	7439-89-6	
Manganese	<b>0.090</b>	mg/L	0.010		1		07/10/18 11:20	7439-96-5	
Sodium	<b>25.6</b>	mg/L	0.20		1		07/10/18 11:20	7440-23-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: METALS 7/9

Pace Project No.: 7057507

Sample: CONNOLLY		Lab ID: 7057507004		Collected: 07/09/18 10:20	Received: 07/09/18 15:45	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>200.7 MET ICP, Drinking Water</b>		Analytical Method: EPA 200.7								
Ca Hardness as CaCO <sub>3</sub> (SM 2340B)	<b>11.6</b>	mg/L	0.50		1		07/10/18 11:23			
Iron	<b>0.54</b>	mg/L	0.020		1		07/10/18 11:23	7439-89-6		
Manganese	<b>0.046</b>	mg/L	0.010		1		07/10/18 11:23	7439-96-5		
Sodium	<b>27.6</b>	mg/L	0.20		1		07/10/18 11:23	7440-23-5		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: METALS 7/9

Pace Project No.: 7057507

<b>Sample: GALGANO</b>		<b>Lab ID: 7057507005</b>		Collected: 07/09/18 10:30	Received: 07/09/18 15:45	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.7 MET ICP, Drinking Water</b>		Analytical Method: EPA 200.7							
Ca Hardness as CaCO <sub>3</sub> (SM 2340B)	<b>11.4</b>	mg/L	0.50		1		07/10/18 11:24		
Iron	<b>0.49</b>	mg/L	0.020		1		07/10/18 11:24	7439-89-6	
Manganese	<b>0.032</b>	mg/L	0.010		1		07/10/18 11:24	7439-96-5	
Sodium	<b>26.5</b>	mg/L	0.20		1		07/10/18 11:24	7440-23-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: METALS 7/9  
Pace Project No.: 7057507

QC Batch: 74444 Analysis Method: EPA 200.7  
QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET No Prep Drinking Water  
Associated Lab Samples: 7057507001, 7057507002, 7057507003, 7057507004, 7057507005

METHOD BLANK: 342106 Matrix: Drinking Water  
Associated Lab Samples: 7057507001, 7057507002, 7057507003, 7057507004, 7057507005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ca Hardness as CaCO3 (SM 2340B)	mg/L	<0.50	0.50	07/10/18 11:10	
Iron	mg/L	<0.020	0.020	07/10/18 11:10	
Manganese	mg/L	<0.010	0.010	07/10/18 11:10	
Sodium	mg/L	<0.20	0.20	07/10/18 11:10	

LABORATORY CONTROL SAMPLE: 342107

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B)	mg/L		61.2			
Iron	mg/L	2	2.0	100	85-115	
Manganese	mg/L	.25	0.25	100	85-115	
Sodium	mg/L	50	48.8	98	85-115	

MATRIX SPIKE SAMPLE: 342110

Parameter	Units	7057507001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B)	mg/L	11.6		77.9			
Iron	mg/L	0.53	2	2.7	108	70-130	
Manganese	mg/L	0.040	.25	0.31	109	70-130	
Sodium	mg/L	26.9	50	79.9	106	70-130	

MATRIX SPIKE SAMPLE: 342112

Parameter	Units	7057507002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B)	mg/L	10.8		76.9			
Iron	mg/L	0.57	2	2.7	106	70-130	
Manganese	mg/L	0.039	.25	0.30	106	70-130	
Sodium	mg/L	24.5	50	77.2	105	70-130	

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.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: METALS 7/9

Pace Project No.: 7057507

SAMPLE DUPLICATE: 342109

Parameter	Units	7057507001 Result	Dup Result	RPD	Max RPD	Qualifiers
Ca Hardness as CaCO <sub>3</sub> (SM 2340B	mg/L	11.6	11.5	1	20	
Iron	mg/L	0.53	0.53	0	20	
Manganese	mg/L	0.040	0.040	1	20	
Sodium	mg/L	26.9	26.7	1	20	

SAMPLE DUPLICATE: 342111

Parameter	Units	7057507002 Result	Dup Result	RPD	Max RPD	Qualifiers
Ca Hardness as CaCO <sub>3</sub> (SM 2340B	mg/L	10.8	10.8	0	20	
Iron	mg/L	0.57	0.57	1	20	
Manganese	mg/L	0.039	0.042	6	20	
Sodium	mg/L	24.5	24.6	0	20	

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.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: METALS 7/9

Pace Project No.: 7057507

---

### 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.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: METALS 7/9

Pace Project No.: 7057507

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7057507001	KAPPERS	EPA 200.7	74444		
7057507002	BOOTH	EPA 200.7	74444		
7057507003	MOLHARS	EPA 200.7	74444		
7057507004	CONNOLLY	EPA 200.7	74444		
7057507005	GALGANO	EPA 200.7	74444		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

# Sample Request Form PUBLIC WATER SUPPLIER

Date: 7-9-14  WELL OFF LINE  WELL RUN TO SYSTEM

Collected By: W Booth  
Accepted By: [Signature]  
Cooler Temp: 1.4 °C

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	

**WO# : 7057507**



7057507

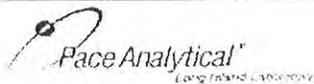
**Client Info:**  
Name or Code: HAMPTON BAYS WATER DISTRICT  
Address: P.O. BOX 1013  
HAMPTON BAYS, NEW YORK 11946  
(631) 728-0179

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

**Sample Info:**

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl <sub>2</sub> pH/Temp	Analysis	Lab No.
10:45 7-9-18	PW	KAPPERS	D	-	S	.77 7.19	Meters	001
10:10 7-9-18	PW	Booth	D	-	S	.87 7.28	Meters	002
10:59 7-9-18	PW	Mauves	D	-	S	.98 7.18	Meters	003
10:20 7-9-18	PW	Conway	D	-	S	1.01 7.14	Meters	004
10:30 7-9-18	PW	GAGANO	D	-	S	.99 7.16	Meters	005

Remarks: \_\_\_\_\_



# Sample Condition Upon Receipt

Client Name: HBW

Pro **WO# : 7057507**  
PM: SWM Due Date: 07/17/18  
CLIENT: HBW

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #: \_\_\_\_\_  
Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: TH091 Correction Factor: 0.0

Cooler Temperature (°C): 1.4 Cooler Temperature Corrected (°C): 1.4

Temp should be above freezing to 6.0°C

USDA Regulated Soil ( N/A, water sample)

Date and Initials of person examining contents: SWM 7/17/18

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 type="checkbox"/> Yes <input checked="" 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 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 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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>HL739245</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 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. 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: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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