

March 21, 2019

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

RE: Project: FE/MN 3/20  
Pace Project No.: 7082945

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on March 20, 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

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

Project: FE/MN 3/20

Pace Project No.: 7082945

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### 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: FE/MN 3/20

Pace Project No.: 7082945

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
7082945001	KLAGER	Drinking Water	03/19/19 09:55	03/20/19 15:15

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### SAMPLE ANALYTE COUNT

Project: FE/MN 3/20

Pace Project No.: 7082945

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<b>Lab ID</b>	<b>Sample ID</b>	<b>Method</b>	<b>Analysts</b>	<b>Analytes Reported</b>
7082945001	KLAGER	EPA 200.7	AKS	2

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## ANALYTICAL RESULTS

Project: FE/MN 3/20

Pace Project No.: 7082945

Sample: <b>KLAGER</b>		Lab ID: <b>7082945001</b>		Collected: 03/19/19 09:55	Received: 03/20/19 15:15	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							
Iron	<b>0.20</b>	mg/L	0.020		1		03/21/19 13:26	7439-89-6	
Manganese	<b>0.038</b>	mg/L	0.010		1		03/21/19 13:26	7439-96-5	

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### QUALITY CONTROL DATA

Project: FE/MN 3/20  
Pace Project No.: 7082945

QC Batch: 106310      Analysis Method: EPA 200.7  
QC Batch Method: EPA 200.7      Analysis Description: 200.7 MET No Prep Drinking Water  
Associated Lab Samples: 7082945001

METHOD BLANK: 491507      Matrix: Drinking Water  
Associated Lab Samples: 7082945001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	mg/L	<0.020	0.020	03/21/19 12:58	
Manganese	mg/L	<0.010	0.010	03/21/19 12:58	

LABORATORY CONTROL SAMPLE: 491508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	2	2.0	101	85-115	
Manganese	mg/L	0.25	0.25	99	85-115	

MATRIX SPIKE SAMPLE: 491511

Parameter	Units	7082382001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	<0.020	2	2.0	100	70-130	
Manganese	mg/L	<0.010	0.25	0.26	100	70-130	

MATRIX SPIKE SAMPLE: 491513

Parameter	Units	7082383001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	0.084	2	2.1	102	70-130	
Manganese	mg/L	0.035	0.25	0.28	100	70-130	

SAMPLE DUPLICATE: 491510

Parameter	Units	7082382001 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron	mg/L	<0.020	<0.020		20	
Manganese	mg/L	<0.010	<0.010		20	

SAMPLE DUPLICATE: 491512

Parameter	Units	7082383001 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron	mg/L	0.084	0.085	0	20	
Manganese	mg/L	0.035	0.036	1	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.

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## QUALIFIERS

Project: FE/MN 3/20

Pace Project No.: 7082945

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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: 7082945001

[1] 1 JACKSON AVE.

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FE/MN 3/20

Pace Project No.: 7082945

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<b>Lab ID</b>	<b>Sample ID</b>	<b>QC Batch Method</b>	<b>QC Batch</b>	<b>Analytical Method</b>	<b>Analytical Batch</b>
7082945001	KLAGER	EPA 200.7	106310		

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### Sample Condition Upon Receipt

Client Name: HBW

Proj

**WO#: 7082945**

PM: SWM Due Date: 03/22/19

CLIENT: HBW

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  Yes  No      Seals intact:  Yes  No

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): 3.6      Cooler Temperature Corrected (°C): 3.6      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: APD 3/20/19

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.	
Rush Turn Around Time Requested: <input checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> No	10.	
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 -Includes date/time/ID/Analysis Matrix <u>SL WJ</u> OIL	12.	
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>HC857466</u> 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) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Sample #	
	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 # Residual chlorine strips Lot #	Positive for Res. Chlorine? Y N	
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: \_\_\_\_\_