

December 03, 2018

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

RE: Project: PB/CU/FE/MN 11/28
Pace Project No.: 7072246

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on November 28, 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: PB/CU/FE/MN 11/28

Pace Project No.: 7072246

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: PB/CU/FE/MN 11/28

Pace Project No.: 7072246

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7072246001	PIZZUTI	Drinking Water	11/26/18 10:00	11/28/18 16:30
7072246002	PIZZUTI	Drinking Water	11/26/18 05:00	11/28/18 16:30

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: PB/CU/FE/MN 11/28
Pace Project No.: 7072246

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7072246001	PIZZUTI	EPA 200.8	SK2	2
7072246002	PIZZUTI	EPA 200.7	JMW	2

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: PB/CU/FE/MN 11/28

Pace Project No.: 7072246

Sample: PIZZUTI		Lab ID: 7072246001		Collected: 11/26/18 10:00	Received: 11/28/18 16:30	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8							
Copper	0.034	mg/L	0.0020		1		11/30/18 12:54	7440-50-8	
Lead	<1.0	ug/L	1.0		1		11/30/18 12:54	7439-92-1	

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: PB/CU/FE/MN 11/28

Pace Project No.: 7072246

Sample: PIZZUTI **Lab ID: 7072246002** Collected: 11/26/18 05:00 Received: 11/28/18 16:30 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water		Analytical Method: EPA 200.7							
Iron	0.057	mg/L	0.020		1		11/30/18 16:08	7439-89-6	
Manganese	<0.010	mg/L	0.010		1		11/30/18 16:08	7439-96-5	

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: PB/CU/FE/MN 11/28
Pace Project No.: 7072246

QC Batch: 93078 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET No Prep Drinking Water
Associated Lab Samples: 7072246002

METHOD BLANK: 429788 Matrix: Drinking Water
Associated Lab Samples: 7072246002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	mg/L	<0.020	0.020	11/30/18 15:45	
Manganese	mg/L	<0.010	0.010	11/30/18 15:45	

LABORATORY CONTROL SAMPLE: 429789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	2	2.0	98	85-115	
Manganese	mg/L	.25	0.24	96	85-115	

MATRIX SPIKE SAMPLE: 429792

Parameter	Units	7071372003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	<20.0 ug/L	2	2.1	104	70-130	
Manganese	mg/L	<10.0 ug/L	.25	0.26	103	70-130	

MATRIX SPIKE SAMPLE: 429794

Parameter	Units	7071509001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	0.049	2	2.2	105	70-130	
Manganese	mg/L	<10.0 ug/L	.25	0.26	105	70-130	

SAMPLE DUPLICATE: 429791

Parameter	Units	7071372003 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron	mg/L	<20.0 ug/L	<0.020		20	
Manganese	mg/L	<10.0 ug/L	<0.010		20	

SAMPLE DUPLICATE: 429793

Parameter	Units	7071509001 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron	mg/L	0.049	0.048	1	20	
Manganese	mg/L	<10.0 ug/L	<0.010		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.

QUALITY CONTROL DATA

Project: PB/CU/FE/MN 11/28
Pace Project No.: 7072246

QC Batch: 93097 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET No Prep Drinking Water
Associated Lab Samples: 7072246001

METHOD BLANK: 429847 Matrix: Water
Associated Lab Samples: 7072246001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	mg/L	<0.0020	0.0020	11/30/18 12:29	
Lead	ug/L	<1.0	1.0	11/30/18 12:29	

LABORATORY CONTROL SAMPLE: 429848

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	mg/L	.05	0.046	92	85-115	
Lead	ug/L	50	47.3	95	85-115	

MATRIX SPIKE SAMPLE: 429850

Parameter	Units	7071916001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Copper	mg/L	0.024	.025	0.049	99	70-130	
Lead	ug/L	<1.0	2	3.1	122	70-130	

SAMPLE DUPLICATE: 429849

Parameter	Units	7071916001 Result	Dup Result	RPD	Max RPD	Qualifiers
Copper	mg/L	0.024	0.024	2	20	
Lead	ug/L	<1.0	<1.0		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: PB/CU/FE/MN 11/28

Pace Project No.: 7072246

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: 7072246001

[1] 45 REMPASTURE RD.

Sample: 7072246002

[1] 45 REMPASTURE RD.

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: PB/CU/FE/MN 11/28

Pace Project No.: 7072246

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7072246002	PIZZUTI	EPA 200.7	93078		
7072246001	PIZZUTI	EPA 200.8	93097		

REPORT OF LABORATORY ANALYSIS

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



Sample Condition Upon Receipt

Client Name: HBW

Proj

WO#: 7072246
 PM: SWM Due Date: 12/06/18
 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): 2.6

Cooler Temperature Corrected (°C): 2.6

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: Bill 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. <u>No time of collection, tossed off bottle</u>
-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 checked="" type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl <u>Spiked with 3ML @ 18:45 11/28</u>
pH paper Lot # <u>HC587466</u>			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 checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input 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 #			
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 checked="" type="checkbox"/> No <input 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: _____

