

October 25, 2018

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

RE: Project: PFC 10/10
Pace Project No.: 7067515

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on October 10, 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,
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CERTIFICATIONS

Project: PFC 10/10

Pace Project No.: 7067515

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: PFC 10/10

Pace Project No.: 7067515

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7067515001	CURRERI 6 STONEY WELL CT	Drinking Water	10/10/18 10:35	10/10/18 16:30

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SAMPLE ANALYTE COUNT

Project: PFC 10/10

Pace Project No.: 7067515

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
7067515001	CURRERI 6 STONEY WELL CT	EPA 537	NS1	8	PASI-O

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ANALYTICAL RESULTS

Project: PFC 10/10

Pace Project No.: 7067515

Sample: CURRERI 6 STONEY WELL **Lab ID:** 7067515001 Collected: 10/10/18 10:35 Received: 10/10/18 16:30 Matrix: Drinking Water
CT

Parameters	Results	Units	PQL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
537 PFOA Compounds, Water									
Analytical Method: EPA 537 Preparation Method: EPA 537									
Perfluorobutanesulfonic acid	<0.085	ug/L	0.085		1	10/22/18 15:40	10/23/18 17:02	375-73-5	L1
Perfluoroheptanoic acid	<0.0094	ug/L	0.0094		1	10/22/18 15:40	10/23/18 17:02	375-85-9	
Perfluorohexanesulfonic acid	<0.028	ug/L	0.028		1	10/22/18 15:40	10/23/18 17:02	355-46-4	
Perfluorononanoic acid	<0.019	ug/L	0.019		1	10/22/18 15:40	10/23/18 17:02	375-95-1	
Perfluorooctanesulfonic acid	<0.038	ug/L	0.038		1	10/22/18 15:40	10/23/18 17:02	1763-23-1	
Perfluorooctanoic acid	<0.0019	ug/L	0.0019		1	10/22/18 15:40	10/23/18 17:02	335-67-1	
Surrogates									
13C2-PFDA (S)	122	%	70-130		1	10/22/18 15:40	10/23/18 17:02		
13C2-PFHxA (S)	120	%	70-130		1	10/22/18 15:40	10/23/18 17:02		

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QUALITY CONTROL DATA

Project: PFC 10/10
Pace Project No.: 7067515

QC Batch: 487366 Analysis Method: EPA 537
QC Batch Method: EPA 537 Analysis Description: 537 PFOA Compounds, Water
Associated Lab Samples: 7067515001

METHOD BLANK: 2636944 Matrix: Water
Associated Lab Samples: 7067515001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Perfluorobutanesulfonic acid	ug/L	<0.090	0.090	10/23/18 15:54	
Perfluoroheptanoic acid	ug/L	<0.010	0.010	10/23/18 15:54	
Perfluorohexanesulfonic acid	ug/L	<0.030	0.030	10/23/18 15:54	
Perfluorononanoic acid	ug/L	<0.020	0.020	10/23/18 15:54	
Perfluorooctanesulfonic acid	ug/L	<0.040	0.040	10/23/18 15:54	
Perfluorooctanoic acid	ug/L	<0.0020	0.0020	10/23/18 15:54	
13C2-PFDA (S)	%	98	70-130	10/23/18 15:54	
13C2-PFHxA (S)	%	97	70-130	10/23/18 15:54	

LABORATORY CONTROL SAMPLE & LCSD: 2636945

2637228

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Perfluorobutanesulfonic acid	ug/L	.09	0.15	<0.090	171	93	50-150		30	L1
Perfluoroheptanoic acid	ug/L	.01	0.012	<0.010	117	69	50-150		30	
Perfluorohexanesulfonic acid	ug/L	.03	0.038	<0.030	125	78	50-150		30	
Perfluorononanoic acid	ug/L	.02	0.021	<0.020	104	74	50-150		30	
Perfluorooctanesulfonic acid	ug/L	.04	0.041	<0.040	103	76	50-150		30	
Perfluorooctanoic acid	ug/L	.02	0.022	0.015	112	75	50-150	40	30	R1
13C2-PFDA (S)	%				155	106	70-130			S0
13C2-PFHxA (S)	%				208	103	70-130			S0

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: PFC 10/10

Pace Project No.: 7067515

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.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PFC 10/10

Pace Project No.: 7067515

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7067515001	CURRERI 6 STONEY WELL CT	EPA 537	487366	EPA 537	487620

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WO#: 7067515



7067515

Sample Request Form PUBLIC WATER SUPPLIER

Date: 10-10-18

Collected By: *W. Booth*

Accepted By: *[Signature]*

Cooler Temp: 3.2 °C

C/S WELL OFF LINE

10/10/18 WELL RUN TO SYSTEM

1300

YES NO VOC'S PRESERVED WITH HCl

Back At 1630

Client Info:
 Name or Code: HAMPTON BAYS WATER DISTRICT
 Address: PO BOX 1013
 HAMPTON BAYS, NEW YORK 11946
 (531) 728-0179
 Phone #: _____
 Attn: _____
 Proj. # or (Name): _____
 Bill To: _____
 Copies To: _____

Sample Types
 PW - Potable Water
 GW - Groundwater
 SW - Surface Water
 WW - Waste Water
 AQ - Aqueous
 S - Soil

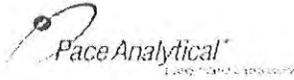
Purpose
 RO - Routine
 RE - Resample
 S - Special

Origin
 D - Distribution
 RW - Raw Well
 TW - Treated Well
 T - Tank
 MW - Monitoring Well
 I - Influent
 E - Effluent

Treatment Types
 AST - Air Stripper
 GAC - Granular Activated Charcoal
 N - Nitrate Removal Plant
 FE - Iron Removal Plant
 O - Other

Sample Info:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings. Cl ₂	pH/Temp	Analysis	Lab No.
9:05 10-10-18	GW	WELL 4-1	RW	-	RO			BACT + POC	
9:19 10-10-18	GW	WELL 4-2	RW	-	RO			BACT + POC	
10:15 10-10-18	PW	WEEKS 6 HAMPTON BAYS P.R.	D	-	S			IRON, MANG.	001
10:35 10-10-18	PW	CURRERI 4 STONEY WELL CT.	D	-	S			IRON, MANG.	001
10:35 10-10-18	PW	CURRERI 4 STONEY WELL CT	D	-	S			PFC'S	001 001
Remarks:									



Sample Condition Upon Receipt

WO#: 7067515

Client Name: HBW

PM: SWM Due Date: 10/23/18
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: HI091 Correction Factor: 0.0

Cooler Temperature (C): 3.2 Cooler Temperature Corrected (C): 3.2

Temp should be above freezing to 6.0C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: [Signature]

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. Columns: Question, Yes/No/N/A, and Comments. Rows include Chain of Custody, Short Hold Time Analysis, Containers Intact, and Trip Blank Present.

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

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