For the purposes of interpreting the test values shown in the following laboratory results, please see the example below:

For example, in the test results for the sample taken from the Butter Hill WFP Entry Point on 9/27/18 and reported on 10/9/2018 (which results were subsequently provided by NYSDOH to the Town, in writing, on 4/4/19), the reported value of <2.00 ng/l for PFOA means the lab was able to test for this substance down to that level and found no traces of PFOA in this sample of the water.

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

PW3

May 25, 2016

Ron Bayer
EnviroTest Laboratories Inc.
315 Fullerton Avenue
Newburgh, NY 12550

RE: Project: Town of New Windsor Water Syst
Pace Project No.: 35243164

Dear Ron Bayer:
Enclosed are the analytical results for sample(s) received by the laboratory on May 06, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,

Bo Garcia
bo.garcia@pacelabs.com
Project Manager

Enclosures

cc: Debra Bayer, EnviroTest Laboratories Inc.
Renee Cusack, EnviroTest Laboratories Inc.
Joyce Esposito, EnviroTest Laboratories Inc.
Janine Rader, EnviroTest Laboratories Inc.
Meredith Ruthven, EnviroTest Laboratories Inc.

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: Town of New Windsor Water Syst
Pace Project No.: 35243164

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
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
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
Nevada Certification: FL NELAC Reciprocity
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

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Town of New Windsor Water Syst
Pace Project No.: 35243164

Sample: PW 3 **Lab ID: 35243164001** Collected: 05/05/16 15:15 Received: 05/06/16 11:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
537 Perfluorinated Compounds	Analytical Method: EPA 537 Preparation Method: EPA 537								
Perfluorobutanesulfonic acid	**<0.030**	ug/L	0.090	0.030	1	05/17/16 22:45	05/21/16 01:06	375-73-5	
Perfluoroheptanoic acid	**<0.0033**	ug/L	0.010	0.0033	1	05/17/16 22:45	05/21/16 01:06	375-85-9	
Perfluorohexanesulfonic acid	**<0.010**	ug/L	0.030	0.010	1	05/17/16 22:45	05/21/16 01:06	355-46-4	
Perfluorononanoic acid	**<0.00067**	ug/L	0.020	0.00067	1	05/17/16 22:45	05/21/16 01:06	375-95-1	
S Perfluorooctanesulfonic acid	**<0.0013**	ug/L 41.3	0.040	0.0013	1	05/17/16 22:45	05/21/16 01:06	1763-23-1	
A Perfluorooctanoic acid	**<0.00067**	ug/L 40.67	0.020	0.00067	1	05/17/16 22:45	05/21/16 01:06	335-67-1	
Surrogates									
Perfluorohexanoic acid (S)	91	%	70-130		1	05/17/16 22:45	05/21/16 01:06		
Perfluorodecanoic acid (S)	88	%	70-130		1	05/17/16 22:45	05/21/16 01:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Town of New Windsor Water Syst
Pace Project No.: 35243164

QC Batch: OEXT/28130
QC Batch Method: EPA 537
Analysis Method: EPA 537
Analysis Description: 537 Perfluorinated Compounds
Associated Lab Samples: 35243164001

METHOD BLANK: 1575709
Matrix: Water
Associated Lab Samples: 35243164001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Perfluorobutanesulfonic acid	ug/L	<0.030	0.090	0.030	05/23/16 19:16	
Perfluoroheptanoic acid	ug/L	<0.0033	0.010	0.0033	05/23/16 19:16	
Perfluorohexanesulfonic acid	ug/L	<0.010	0.030	0.010	05/23/16 19:16	
Perfluorononanoic acid	ug/L	<0.00067	0.020	0.00067	05/23/16 19:16	
Perfluorooctanesulfonic acid	ug/L	<0.0013	0.040	0.0013	05/23/16 19:16	
Perfluorooctanoic acid	ug/L	<0.00067	0.020	0.00067	05/23/16 19:16	
Perfluorodecanoic acid (S)	%	82	70-130		05/23/16 19:16	
Perfluorohexanoic acid (S)	%	77	70-130		05/23/16 19:16	

LABORATORY CONTROL SAMPLE: 1575710

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Perfluorobutanesulfonic acid	ug/L	.09	0.10	116	50-150	
Perfluoroheptanoic acid	ug/L	.01	0.010	102	50-150	
Perfluorohexanesulfonic acid	ug/L	.03	0.030J	99	50-150	
Perfluorononanoic acid	ug/L	.02	0.023	116	50-150	
Perfluorooctanesulfonic acid	ug/L	.04	0.038J	96	50-150	
Perfluorooctanoic acid	ug/L	.02	0.022	110	50-150	
Perfluorodecanoic acid (S)	%			92	70-130	
Perfluorohexanoic acid (S)	%			92	70-130	

LABORATORY CONTROL SAMPLE & LCSD: 1576541 1576542

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Perfluorobutanesulfonic acid	ug/L	.36	0.37	0.43	102	119	50-150	15	20	
Perfluoroheptanoic acid	ug/L	.04	0.039	0.045	98	112	50-150	13	20	
Perfluorohexanesulfonic acid	ug/L	.12	0.12	0.12	98	100	50-150	2	20	
Perfluorononanoic acid	ug/L	.08	0.078	0.10	97	126	50-150	26	20	R1
Perfluorooctanesulfonic acid	ug/L	.16	0.15	0.16	95	100	50-150	5	20	
Perfluorooctanoic acid	ug/L	.08	0.080	0.094	99	117	50-150	17	20	
Perfluorodecanoic acid (S)	%				99	103	70-130			
Perfluorohexanoic acid (S)	%				94	92	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

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Town of New Windsor Water Syst
Pace Project No.: 35243164

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.

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.

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

R1 RPD value was outside control limits.

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Town of New Windsor Water Syst
Pace Project No.: 35243164

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35243164001	**PW 3**	EPA 537	OEXT/28130	EPA 537	GCSV/18350

EnviroTest Laboratories, Inc.
315 Fullerton Avenue
Newburgh, NY 12550
Phone (845) 562-0890 Fax (845) 562-0841

WO#: 35243164

35243164

EnviroTest Laboratories Inc.

Client Information (Sub Contract Lab)	Sampler:	COC No: 420-8137.1
Client Contact: Shipping/Receiving	Phone:	Page: Page 1 of 1
Company: Pace Analytical Ormond Beach		STL Job #: 420-104010-1
Address: 8 East Tower Circle, ,	Due Date Requested: 5/17/2016 Standard	Preservation Codes:
City: Ormond Beach	TAT Requested (days):	A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: FL, 32174		
Phone: 111-222-3333(Tel)	PO #:	
Email:	WO #:	Other:
Project Name: Town of New Windsor Water System	Project #: 42001045	
Site:	SSOW#:	

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ PFOS/PFOA 537	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
PW 3 (420-104010-1)	5/5/16	15:15		Water			X	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: C Elmendorf	5-5-16 1700	ETL		5/6/16 1120	Pace
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: T: 2.1 2.2°C

Pace Analytical	Document Name Sample Condition Upon Receipt Form	Document Revised December 28, 2015
	Document No. F-FL-C-007 rev. 07	Issuing Authority Pace Florida Quality Office

Sample Condition

WO#: 35243164

Pro
Project Man
Cl

PM: VEG Due Date: 05/20/16
CLIENT: EVNTES

nd Initials of person examining
ts: 5/6/16 1120
:
er:
pH:

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other ☐

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☒ Standard Overnight ☐ Ground

Billing: ☒ Recipient ☐ Sender ☐ Third Party ☐ Unkown Cooler Size if Applicable:

Tracking # 776277146258

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other Biological Tissue is Frozen: Yes No N/A

Thermometer Used T-221 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler #1 Temperature°C 2.2 (Visual) 0 (Correction Factor) 2.2 (Actual)

Cooler #2 Temperature°C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #3 Temperature°C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #4 Temperature°C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temperature°C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temperature°C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present	☒Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☒Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☒Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☒Yes ☐ No ☐N/A	
Rush TAT requested on COC	☐Yes ☒ No ☐N/A	
Sufficient Volume	☒Yes ☐ No ☐N/A	
Correct Containers Used	☒Yes ☐ No ☐N/A	
Pace Containers Used	☒Yes ☐ No ☐N/A	
Containers Intact	☒Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked	☐Yes ☐ No ☒N/A	HNO3 pH<2 HCl pH<2
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G	☐Yes ☐ No ☒N/A	H2SO4 pH<2 NaOH pH>12 NaOH/ZnOAc pH>9
No Headspace in VOA Vials (>6mm):	☐Yes ☐ No ☒N/A	
Trip Blank Present:	☐Yes ☐ No ☒N/A	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: _____ Date: _____