



# Environmental Chemists, Inc.

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ANALYTICAL & CONSULTING CHEMISTS

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January 9, 2018

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Brunswick County Public Utilities  
Post Office Box 249  
Bolivia, NC 28422  
Attn: Glenn Walker

Report #2017-19610

Enclosed please find your analytical report.

Sincerely,

A handwritten signature in cursive script that reads "Tammy Duran".

Tammy Duran

Environmental Chemists, Inc.

**ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA 537 Rev 1.1 Safe Drinking Water Analysis**

Customer: Environmental Chemists NLS Project: 292493  
 Project Description: GenX Testing  
 Project Title: Template: 537PPTGENX Printed: 01/08/2018 15:43

Sample: 1034997 17-47543 Collected: 12/14/17 Analyzed: 01/05/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	35.1	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	78.7	ppt		1	0.73	2.3		
perfluorooheptanoic acid (PFHpA)	39.5	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[7.62]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	15.7	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	[3.58]	ppt		1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	12.1	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[2.15]	ppt		1	0.90	2.7		J
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	1.0	3.0		
perfluorododecanoic acid (PFDoA)	ND	ppt		1	1.9	6.1		
perfluorotridecanoic acid (PFTDA)	ND	ppt		1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	89.122%							S
C13-PFDA (SURR)	91.648%							S

**NOTES APPLICABLE TO THIS ANALYSIS:**

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.  
 S = This compound is a surrogate used to evaluate the quality control of a method.

Sample: 1034998 17-47544 Collected: 12/14/17 Analyzed: 01/05/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	37.1	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	38.6	ppt		1	0.73	2.3		
perfluorooheptanoic acid (PFHpA)	32.1	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[4.52]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	10.9	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	[1.9]	ppt		1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	[4.39]	ppt		1	1.7	5.3		J
perfluorodecanoic acid (PFDA)	[1.17]	ppt		1	0.90	2.7		J
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	1.0	3.0		
perfluorododecanoic acid (PFDoA)	ND	ppt		1	1.9	6.1		
perfluorotridecanoic acid (PFTDA)	ND	ppt		1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	83.787%							S
C13-PFDA (SURR)	88.109%							S

**NOTES APPLICABLE TO THIS ANALYSIS:**

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.  
 S = This compound is a surrogate used to evaluate the quality control of a method.

The PFOA branch isotope peak is included in the PFOA calculation per EPA directive. GenX analysis performed by Modified EPA Method 537.

