



# Environmental Chemists, Inc.

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ANALYTICAL & CONSULTING CHEMISTS

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October 19, 2017

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

Report #2017-14985

Enclosed please find your analytical report.

Sincerely,

Tammy Duran  
Environmental Chemists, Inc.

**ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA 537 Rev 1.1 Safe Drinking Water Analysis**  
**Customer: Environmental Chemists NLS Project: 288648**  
**Project Description: GenX and Other PFCs by EPA537**  
**Project Title: Template: 537PPTGENX Printed: 10/18/2017 13:44**

Sample: 1022994\_36153 Collected: 09/28/17 Analyzed: 10/13/17 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt	1	1	6.6	21		
perfluorohexanoic acid (PFHxA)	16	ppt	1	1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	20.6	ppt	1	1	0.73	2.3		
perfluorheptanoic acid (PFHpA)	13.9	ppt	1	1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[4.19]	ppt	1	1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	7.72	ppt	1	1	1.2	3.9		
perfluorononanoic acid (PFNA)	[1.84]	ppt	1	1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	7.06	ppt	1	1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.27]	ppt	1	1	0.90	2.7		J
perfluoroundecanoic acid (PFUnA)	ND	ppt	1	1	1.0	3.0		
perfluorododecanoic acid (PFDDA)	ND	ppt	1	1	1.9	6.1		
perfluorotridecanoic acid (PFTDA)	ND	ppt	1	1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt	1	1	2.8	8.9		
C13-PFHxA (SURR)	84.153%							S
C13-PFDA (SURR)	91.918%							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: 1022995\_36154 Collected: 09/28/17 Analyzed: 10/13/17 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt	1	1	6.6	21		
perfluorohexanoic acid (PFHxA)	16.9	ppt	1	1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	21.7	ppt	1	1	0.73	2.3		
perfluorheptanoic acid (PFHpA)	16.5	ppt	1	1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[4.97]	ppt	1	1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	9.81	ppt	1	1	1.2	3.9		
perfluorononanoic acid (PFNA)	[2.46]	ppt	1	1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	10.3	ppt	1	1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.68]	ppt	1	1	0.90	2.7		J
perfluoroundecanoic acid (PFUnA)	ND	ppt	1	1	1.0	3.0		
perfluorododecanoic acid (PFDDA)	ND	ppt	1	1	1.9	6.1		
perfluorotridecanoic acid (PFTDA)	ND	ppt	1	1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt	1	1	2.8	8.9		
C13-PFHxA (SURR)	73.299%							S
C13-PFDA (SURR)	64.946%							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.

SR = Surrogate recovery was outside QC limits.

C13-PFDA recovered below QC limits.

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

