



# Environmental Chemists, Inc.

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ANALYTICAL & CONSULTING CHEMISTS

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February 9, 2018

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

Report #2018-01315

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: 294047**  
**Project Description: EPA 537 & GenX**  
**Project Title: Template: 537PPTGENX Printed: 02/09/2018 11:06**

Sample: 1039318\_03247 Collected: 01/25/18 Analyzed: 02/09/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	33.3	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	22.3	ppt		1	0.73	2.3		
perfluorheptanoic acid (PFHpA)	33.2	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[7.77]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	12.2	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	[2.68]	ppt		1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	12.6	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.72]	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)	84.145%							S
C13-PFDA (SURR)	73.382%							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: 1039319\_03248 Collected: 01/25/18 Analyzed: 02/08/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	34.6	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	26.5	ppt		1	0.73	2.3		
perfluorheptanoic acid (PFHpA)	33.8	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[7.54]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	12.3	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	[2.73]	ppt		1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	13.1	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.99]	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)	96.097%							S
C13-PFDA (SURR)	81.393%							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.

