



# Environmental Chemists, Inc.

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ANALYTICAL & CONSULTING CHEMISTS

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September 4, 2018

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

Report #2018-13071  
Collected – August 9, 2018

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: 306264  
 Project Description: PFCs by EPA 537 (w/GenX)  
 Project Title: Template: 537PPTGENX Printed: 08/30/2018 12:01

Sample: 1075381 32851 Collected: 08/09/18 Analyzed: 08/28/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	6.86	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	3.14	ppt		1	0.73	2.3		
perfluorohexanoic acid (PFHxA)	7.28	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[3.04]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	[3.79]	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	ND	ppt		1	1.5	4.9		
perfluorooctanesulfonic acid (PFOS)	8.48	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.57]	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 (PFTTDA)	ND	ppt		1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	58.993%			1				SR S
C13-PFDA (SURR)	100.758%			1				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-PFHxA recovered below QC limits.

Sample: 1075382 32852 Collected: 08/09/18 Analyzed: 08/28/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	7.6	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	5.52	ppt		1	0.73	2.3		MS
perfluorohexanoic acid (PFHxA)	8.11	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[3.71]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	4.58	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	ND	ppt		1	1.5	4.9		
perfluorooctanesulfonic acid (PFOS)	8.5	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.48]	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 (PFTTDA)	ND	ppt		1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	61.374%			1				SR S
C13-PFDA (SURR)	104.674%			1				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-PFHxA recovered below QC limits.  
 MS = Matrix spike recovery was outside QC limits.  
 perfluoro-2-propoxypropanoic acid (GenX) recovered below QC limits.

