



# Environmental Chemists, Inc.

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ANALYTICAL & CONSULTING CHEMISTS

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October 11, 2018

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

Report #2018-14950

Collected – September 6, 2018

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Enclosed please find your analytical report.

Sincerely,

Tammy Duran .....  
Environmental Chemists, Inc.

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

Customer: Environmental Chemists NLS Project: 309519  
 Project Description: PFCs with GenX by EPA 537  
 Project Title: Template: 537PPT2GENX Printed: 10/10/2018 15:28

Sample: 1085321 37747 Collected: 09/06/18 Analyzed: 10/08/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	3.6	1.1	
perfluorohexanoic acid (PFHxA)	9.44	ppt		1	0.83	2.6	
perfluoro-2-propoxypropionic acid (GenX)	9.11	ppt		1	0.62	2.0	
perfluorohexanoic acid (PFHxA)	16.5	ppt		1	0.45	1.4	
perfluorohexanesulfonic acid (PFHxS)	6.41	ppt		1	1.3	4.1	
perfluorooctanoic acid (PFOA)	8.04	ppt		1	0.70	2.2	
perfluorononanoic acid (PFNA)	[1.66]	ppt		1	1.3	4.1	J
perfluorooctanesulfonic acid (PFOS)	12	ppt		1	1.5	4.7	
perfluorodecanoic acid (PFDA)	[1.74]	ppt		1	1.2	3.8	J
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	1.2	3.7	
perfluorododecanoic acid (PFDDoA)	ND	ppt		1	0.95	3.0	
perfluorotridecanoic acid (PFTriDA)	ND	ppt		1	0.97	3.1	
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	0.88	2.8	
C13-PFHxA (SURR)	54.993%			1			SRS
C13-PFDA (SURR)	79.352%			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: 1085322 37748 Collected: 09/06/18 Analyzed: 10/08/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	3.6	1.1	
perfluorohexanoic acid (PFHxA)	9.41	ppt		1	0.83	2.6	
perfluoro-2-propoxypropionic acid (GenX)	7.48	ppt		1	0.62	2.0	
perfluorohexanoic acid (PFHxA)	15.1	ppt		1	0.45	1.4	
perfluorohexanesulfonic acid (PFHxS)	5.2	ppt		1	1.3	4.1	
perfluorooctanoic acid (PFOA)	7.27	ppt		1	0.70	2.2	
perfluorononanoic acid (PFNA)	[1.72]	ppt		1	1.3	4.1	J
perfluorooctanesulfonic acid (PFOS)	11.3	ppt		1	1.5	4.7	
perfluorodecanoic acid (PFDA)	[2.13]	ppt		1	1.2	3.8	J
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	1.2	3.7	
perfluorododecanoic acid (PFDDoA)	ND	ppt		1	0.95	3.0	
perfluorotridecanoic acid (PFTriDA)	ND	ppt		1	0.97	3.1	
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	0.88	2.8	
C13-PFHxA (SURR)	50.708%			1			SRS
C13-PFDA (SURR)	82.809%			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.

