



# Environmental Chemists, Inc.

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ANALYTICAL & CONSULTING CHEMISTS

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August 17, 2018

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

Report #2018-12102  
Collected – July 27, 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: 304638  
 Project Description: PFCs by EPA 537 w/GenX  
 Project Title: Template: 537PPTGENX Printed: 08/16/2018 09:30

Sample: 1070646\_30504 Collected: 07/27/18 Analyzed: 08/13/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	18.4	ppt		1	1.3	4.0		
perfluoro-2-propoxypropionic acid (GenX)	3.31	ppt		1	0.73	2.3		
perfluorooheptanoic acid (PFHpA)	21.8	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[5.69]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	11.2	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	[2.2]	ppt		1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	12.8	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[2.48]	ppt		1	0.90	2.7		J
perfluoroundecanoic acid (PFUa)	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 (PTFA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	58.572%			1				SRS
C13-PFDA (SURR)	97.11%			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: 1070647\_30505 Collected: 07/27/18 Analyzed: 08/13/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	19.3	ppt		1	1.3	4.0		
perfluoro-2-propoxypropionic acid (GenX)	3.42	ppt		1	0.73	2.3		
perfluorooheptanoic acid (PFHpA)	21.6	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[5.33]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	11.1	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	[2.14]	ppt		1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	11.9	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[2.23]	ppt		1	0.90	2.7		J
perfluoroundecanoic acid (PFUa)	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 (PTFA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	56%			1				SRS
C13-PFDA (SURR)	92.998%			1				S

**NOTES APPLICABLE TO THIS ANALYSIS:**

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 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.

