



# Environmental Chemists, Inc.

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ANALYTICAL & CONSULTING CHEMISTS

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June 4, 2018

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

Report #2018-07850  
Collected – May 17, 2018

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: 299906  
 Project Description: PFCs by EPA 537 (w/GenX)  
 Project Title: Template: 537PPT2GENX Printed: 06/04/2018 09:50

Sample: 1056643 19642 Collected: 05/17/18 Analyzed: 05/26/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	5.1	16		
perfluorohexanoic acid (PFHxA)	21	ppt		1	0.81	2.6		
perfluoro-2-propoxypropanoic acid (GenX)	12.1	ppt		1	0.56	1.8		
perfluoroheptanoic acid (PFHpA)	17	ppt		1	0.38	1.2		
perfluorohexanesulfonic acid (PFHxS)	4.98	ppt		1	1.1	3.4		
perfluorononanoic acid (PFNA)	12.3	ppt		1	0.81	2.6		
perfluorooctanesulfonic acid (PFOS)	2.34	ppt		1	0.70	2.2		
perfluorodecanoic acid (PFDA)	14.6	ppt		1	1.9	6.1		
perfluoroundecanoic acid (PFUa)	3.03	ppt		1	0.89	2.8		
perfluorododecanoic acid (PFDoA)	ND	ppt		1	0.89	2.8		
perfluorotridecanoic acid (PFTDA)	ND	ppt		1	0.96	3.1		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	0.76	2.4		
C13-PFHxA (SURR)	77.66%			1	0.81	2.6		S
C13-PFDA (SURR)	82.287%			1				S

NOTES APPLICABLE TO THIS ANALYSIS:  
 S = This compound is a surrogate used to evaluate the quality control of a method.

Sample: 1056645 19643 Collected: 05/17/18 Analyzed: 05/26/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	5.1	16		
perfluorohexanoic acid (PFHxA)	22.3	ppt		1	0.81	2.6		
perfluoro-2-propoxypropanoic acid (GenX)	11.8	ppt		1	0.56	1.8		
perfluoroheptanoic acid (PFHpA)	17.7	ppt		1	0.38	1.2		
perfluorohexanesulfonic acid (PFHxS)	4.81	ppt		1	1.1	3.4		
perfluorooctanoic acid (FOA)	11.8	ppt		1	0.81	2.6		
perfluorononanoic acid (PFNA)	2.29	ppt		1	0.70	2.2		
perfluorooctanesulfonic acid (PFOS)	14.4	ppt		1	1.9	6.1		
perfluorodecanoic acid (PFDA)	2.86	ppt		1	0.89	2.8		
perfluoroundecanoic acid (PFUa)	ND	ppt		1	0.89	2.8		
perfluorododecanoic acid (PFDoA)	ND	ppt		1	0.96	3.1		
perfluorotridecanoic acid (PFTDA)	ND	ppt		1	0.76	2.4		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	0.81	2.6		
C13-PFHxA (SURR)	85.468%			1				S
C13-PFDA (SURR)	90.62%			1				S

NOTES APPLICABLE TO THIS ANALYSIS:  
 S = This compound is a surrogate used to evaluate the quality control of a method.

**COLLECTION AND CHAIN OF CUSTODY**

CLIENT: Brunswick County Water PROJECT NAME: \_\_\_\_\_ REPORT NO: 18-7850  
 ADDRESS: P.O. Box 249 CONTACT NAME: GLENN WALKER PO NO: \_\_\_\_\_  
BOLIVIA N.C. 28422 REPORT TO: SAME PHONE/FAX: \_\_\_\_\_  
 Copied By: \_\_\_\_\_ COPY TO: \_\_\_\_\_ email: glenn.walker@brunswickcounty.gov

Sampled By: \_\_\_\_\_ SAMPLE TYPE: I = Influent, E = Effluent, W = Well, ST = Stream, SO = Soil, SL = Sludge, Other: \_\_\_\_\_

Sample Identification	Collection			Sample Type	Composite or Grab	Container (P or G)	Chlorine mg/L	LAB ID NUMBER	PRESERVATION						ANALYSIS REQUESTED	
	Date	Time	Temp						NONE	HCL	H2SO4	HNO3	NAOH	THIO		Zn acetate
051618-501	5/16/18	1030 AM	24.3	RAIN	G	P		19642								EPA 537 + GENX
051618-E01	5/16/18	1030 AM		RAIN	G	P		19643								
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