



# Environmental Chemists, Inc.

6602 Windmill Way, Wilmington, NC 28405 • 910.392.0223 Lab • 910.392.4424 Fax  
710 Bowsertown Road, Manteo, NC 27954 • 252.473.5702 Lab/Fax  
255-A Wilmington Highway, Jacksonville, NC 28540 • 910.347.5843 Lab/Fax

ANALYTICAL & CONSULTING CHEMISTS

info@environmentalchemists.com

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October 27, 2017

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

Report #2017-15909

Enclosed please find your analytical report.

Sincerely,

Tammy Duran  
Environmental Chemists, Inc.

Sample 1024689 17-38431 Collected: 10/12/17 Analyzed: 10/25/17 Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	[6.86]	ppt		1	5.1	16		J
perfluorohexanoic acid (PFHxA)	41.5	ppt		1	0.81	2.6		BD
perfluoro-2-propoxypropionic acid (GenX)	26.2	ppt		1	0.56	1.8		
perfluorohexanoic acid (PFHxA)	37.4	ppt		1	0.38	1.2		
perfluorooctanoic acid (PFHxS)	7.5	ppt		1	1.1	3.4		
perfluorooctanoic acid (PFOA)	21.8	ppt		1	0.81	2.6		
perfluorononanoic acid (PFNA)	6.18	ppt		1	0.70	2.2		
perfluorooctanesulfonic acid (PFOS)	16	ppt		1	1.9	6.1		
perfluorodecanoic acid (PFDA)	3.63	ppt		1	0.89	2.8		
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	0.89	2.8		
perfluorododecanoic acid (PFDoA)	ND	ppt		1	0.96	3.1		
perfluorotridecanoic acid (PFTriDA)	ND	ppt		1	0.76	2.4		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	0.81	2.6		
C13-PFHxA (SURR)	74.593%							S
C13-PFDA (SURR)	81.712%							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.

BD = Compound was detected in the laboratory method blank.

perfluorohexanoic acid (PFHxA) detected at .87 ppt.

The PFOA branch isotope peak is included in the PFOA calculation per EPA directive. GenX analysis performed by Modified EPA Method 537.



**COLLECTION AND CHAIN OF CUSTODY**

CLIENT: Brunswick County PLSD  
 ADDRESS: PO Box 249  
 Behavior, NC 28422  
 PROJECT NAME: Gen X Compounds  
 CONTACT NAME: Glenn Walker  
 REPORT TO: Glenn Walker  
 COPY TO:  
 REPORT NO: 17-15909  
 PO NO:  
 PHONE/FAX: 910-371-3490  
 email: glenn.walker@brunswickcountync.gov

Sampled By: Bruce Bowers

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	SONE	NAOH	PH		OTHER
1D1217-501	10-12-17	0920	25	RW	C	G		38431								EPA 537 + Gen X
1D1217-E01	10-12-17	0935		FIN	C	G		38432								
					C	P										
					G	G										
					C	P										
					G	G										
					C	P										
					G	G										
					C	P										
					G	G										
					C	P										
					G	G										

Transfer Relinquished By: [Signature] Date/Time: 10/12/17  
 Accepted: [Signature] Received By: [Signature] Date: 10/12/17  
 Rejected: [Signature]  
 Resample Requested: [Signature] Date: 10/12/17 Time: 5330  
 Comments: TURNAROUND: