



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

October 19, 2017

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

Report #2017-15501

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: 288648
Project Description: GenX and Other PFCs by EPA537
Project Title: Template: 537PPTGENX Printed: 10/18/2017 13:44

Sample: 1022996-37375 Collected: 10/05/17 Analyzed: 10/13/17 Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt	1	1	6.6	21		
perfluorohexanoic acid (PFHxA)	ND	ppt	1	1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	3.17	ppt	1	1	0.73	2.3		
perfluorohexanoic acid (PFHpA)	ND	ppt	1	1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	ND	ppt	1	1	2.8	8.8		
perfluorooctanoic acid (PFOA)	ND	ppt	1	1	1.2	3.9		
perfluorononanoic acid (PFNA)	ND	ppt	1	1	1.5	4.9		
perfluorooctanesulfonic acid (PFOS)	ND	ppt	1	1	1.7	5.3		
perfluorodecanoic acid (PFDA)	ND	ppt	1	1	0.90	2.7		
perfluoroundecanoic acid (PFUnA)	ND	ppt	1	1	1.0	3.0		
perfluorododecanoic acid (PFDoA)	ND	ppt	1	1	1.9	6.1		
perfluorotridecanoic acid (PFTDA)	ND	ppt	1	1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt	1	1	2.8	8.9		S
C13-PFHxA (SURR)	95.525%							S
C13-PFDoA (SURR)	88.299%							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 Utilities PROJECT NAME: WWTp REPORT NO: _____

ADDRESS: PO Box 249 CONTACT NAME: Glen Walker PO NO: _____

Belivia NC 28422 REPORT TO: same PHONE/FAX: 910-371-5755

COPY TO: _____ email: glen.walker@brunswickcountync.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
<u>LPDA100517</u>	<u>10/5/17</u>	<u>0900</u>		<u>W</u>	<u>C</u>	<u>P</u>		<u>37315</u>								<u>benx/537</u>
					<u>C</u>	<u>P</u>										
					<u>G</u>	<u>G</u>										
					<u>C</u>	<u>P</u>										
					<u>G</u>	<u>G</u>										
					<u>C</u>	<u>P</u>										
					<u>G</u>	<u>G</u>										
					<u>C</u>	<u>P</u>										
					<u>G</u>	<u>G</u>										
					<u>C</u>	<u>P</u>										
					<u>G</u>	<u>G</u>										
					<u>C</u>	<u>P</u>										
					<u>G</u>	<u>G</u>										
					<u>C</u>	<u>P</u>										
					<u>G</u>	<u>G</u>										

Temperature when Received: _____ Accepted: _____ Rejected: _____ Resample Requested: _____

Delivered By: Glen Walker Received By: G. K. Rouse Date: 10/5/17 Time: 1540

Comments: _____

Transfer Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

1. _____

2. _____

TURNAROUND: _____