



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

December 19, 2017

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

Report #2017-19090

Enclosed please find your analytical report.

Sincerely,

A handwritten signature in cursive script that reads "Tammy Duran".

Tammy Duran

Environmental Chemists, Inc.

ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA 537 Rev 1.1 Safe Drinking Water Analysis
Customer: Environmental Chemists NLS Project: 291782
Project Description: EPA 537 with GenX
Project Title: Template: 537/PPTGENX Printed: 12/19/2017 08:38

Sample: 1032942 46302 Collected: 12/07/17 Analyzed: 12/15/17 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	44.4	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	33.4	ppt		1	0.73	2.3		
perfluorohexanoic acid (PFHxA)	42.2	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[8-14]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	18.7	ppt		1	1.2	3.9		
perfluorooctanoic acid (PFNA)	[3.78]	ppt		1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	12	ppt		1	1.7	5.3		
perfluoroundecanoic acid (PFDA)	[2.39]	ppt		1	0.90	2.7		J
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	1.0	3.0		
perfluorododecanoic acid (PFDoA)	ND	ppt		1	1.9	6.1		
perfluorotridecanoic acid (PFTriDA)	ND	ppt		1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	78.948%							S
C13-PFDA (SURR)	81.147%							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.

Sample: 1032943 46303 Collected: 12/07/17 Analyzed: 12/15/17 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	38.5	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	32.2	ppt		1	0.73	2.3		
perfluorohexanoic acid (PFHxA)	31.3	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[3.98]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	12.7	ppt		1	1.2	3.9		
perfluorooctanoic acid (PFNA)	[2.08]	ppt		1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	[4.34]	ppt		1	1.7	5.3		J
perfluoroundecanoic acid (PFDA)	[1.11]	ppt		1	0.90	2.7		J
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	1.0	3.0		
perfluorododecanoic acid (PFDoA)	ND	ppt		1	1.9	6.1		
perfluorotridecanoic acid (PFTriDA)	ND	ppt		1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	79.136%							S
C13-PFDA (SURR)	85.446%							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.

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

