



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

May 22, 2018

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

Report #2018-07035

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 Chemicals NLS Project: 298987
 Project Description: PFCs and GenX by EPA 537
 Project Title: Template: 537PPTGENX Printed: 05/22/2018 15:48

Sample: 1054116 17520 Collected: 05/03/18 Analyzed: 05/10/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	8.74	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	3.66	ppt		1	0.73	2.3		
perfluorohexanoic acid (PFHxA)	9.65	ppt		1	0.80	2.6		J
perfluorohexanesulfonic acid (PFHxS)	[2.95]	ppt		1	2.8	8.8		
perfluorooctanoic acid (PFOA)	5.58	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	ND	ppt		1	1.5	4.9		
perfluorooctanesulfonic acid (PFOS)	9.09	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.2]	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 (PFTDA)	ND	ppt		1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	63.871%			1				SR S
C13-PFDA (SURR)	86.889%			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: 1054117 17519 Collected: 05/03/18 Analyzed: 05/10/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	8.76	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	3.48	ppt		1	0.73	2.3		
perfluorohexanoic acid (PFHxA)	9.63	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[3.42]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	6.85	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	ND	ppt		1	1.5	4.9		
perfluorooctanesulfonic acid (PFOS)	9.46	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.29]	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 (PFTDA)	ND	ppt		1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	69.155%			1				SR S
C13-PFDA (SURR)	90.893%			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.

