



Environmental Chemists, Inc.

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ANALYTICAL & CONSULTING CHEMISTS

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February 22, 2018

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

Report #2018-02038

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: 294440

Project Description: EPA 537 & GenX

Project Title: Template: 537PPTGENX Printed: 02/22/2018 08:29

Sample: 1040374_05074 Collected: 02/08/18 Analyzed: 02/16/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt	1	1	6.6	2.1		
perfluorohexanoic acid (PFHxA)	[3.45]	ppt	1	1	1.3	4.0		J
perfluoro-2-propoxypropanoic acid (GenX)	11	ppt	1	1	0.73	2.3		
perfluorohexanoic acid (PFHxA)	4.25	ppt	1	1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[2.92]	ppt	1	1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	[3.16]	ppt	1	1	1.2	3.9		
perfluorononanoic acid (PFNA)	ND	ppt	1	1	1.5	4.9		
perfluorooctanesulfonic acid (PFOS)	7.36	ppt	1	1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.01]	ppt	1	1	0.90	2.7		J
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		
C13-PFHxA (SURR)	50.858%							SRS
C13-PFDA (SURR)	96.063%							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: 1040375_05076 Collected: 02/08/18 Analyzed: 02/16/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt	1	1	6.6	2.1		
perfluorohexanoic acid (PFHxA)	[3.3]	ppt	1	1	1.3	4.0		J
perfluoro-2-propoxypropanoic acid (GenX)	7.48	ppt	1	1	0.73	2.3		
perfluorohexanoic acid (PFHxA)	3.66	ppt	1	1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	ND	ppt	1	1	2.8	8.8		
perfluorooctanoic acid (PFOA)	[2.76]	ppt	1	1	1.2	3.9		J
perfluorononanoic acid (PFNA)	ND	ppt	1	1	1.5	4.9		
perfluorooctanesulfonic acid (PFOS)	[5.11]	ppt	1	1	1.7	5.3		J
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		
C13-PFHxA (SURR)	49.423%							SRS
C13-PFDA (SURR)	100.08%							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.

