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ANALYTICAL & CONSULTING CHEMISTS

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March 2, 2018

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

Report #2018-02475

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: 294836
 Project Description: EPA 537 With GenX
 Project Title: Template: 537PPTGENX Printed: 03/01/2018 11:41

Sample: 1041464 18-06137 Collected: 02/15/18 Analyzed: 02/27/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	[2.49]	ppt		1	1.3	4.0		J
perfluoro-2-propoxypropanoic acid (GenX)	9.07	ppt		1	0.73	2.3		
perfluorothepanoic acid (PFHpA)	2.73	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	ND	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	[2.41]	ppt		1	1.2	3.9		
perfluorooctanesulfonic acid (PFOS)	ND	ppt		1	1.5	4.9		
perfluorodecanoic acid (PFDA)	[5.27]	ppt		1	1.7	5.3		J
perfluoroundecanoic acid (PFUa)	ND	ppt		1	0.90	2.7		
perfluorododecanoic acid (PFDoA)	ND	ppt		1	1.0	3.0		
perfluorotridecanoic acid (PFTDA)	ND	ppt		1	1.9	6.1		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	3.2	10		
C13-PFHxA (SURR)	51.996%			1	2.8	8.9		SR S
C13-PFDA (SURR)	86.154%							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: 1041465 18-06138 Collected: 02/15/18 Analyzed: 02/27/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	[2.93]	ppt		1	1.3	4.0		J
perfluoro-2-propoxypropanoic acid (GenX)	8.82	ppt		1	0.73	2.3		
perfluorothepanoic acid (PFHpA)	3.19	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	ND	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	[2.63]	ppt		1	1.2	3.9		
perfluorooctanesulfonic acid (PFOS)	ND	ppt		1	1.5	4.9		
perfluorodecanoic acid (PFDA)	6.73	ppt		1	1.7	5.3		
perfluoroundecanoic acid (PFUa)	ND	ppt		1	0.90	2.7		
perfluorododecanoic acid (PFDoA)	ND	ppt		1	1.0	3.0		
perfluorotridecanoic acid (PFTDA)	ND	ppt		1	1.9	6.1		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	3.2	10		
C13-PFHxA (SURR)	54.072%			1	2.8	8.9		SR S
C13-PFDA (SURR)	92.541%							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.

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

