



Environmental Chemists, Inc.

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ANALYTICAL & CONSULTING CHEMISTS

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September 4, 2018

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

Report #2018-13564
Collected – August 16, 2018

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
 Project Description: PFCs by EPA 537 (w/GenX)
 Project Title: Template: 537PPTGENX

NLS Project: 306264

Printed: 08/30/2018 12:01

Sample: 1075383_34152 Collected: 08/16/18 Analyzed: 08/28/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	9.5	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	3.09	ppt		1	0.73	2.3		
perfluorohexanoic acid (PFHxA)	10.3	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[3.95]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	6.25	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	[1.53]	ppt		1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	10.3	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.71]	ppt		1	0.90	2.7		J
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	1.0	3.0		
perfluorododecanoic acid (PFDDoA)	ND	ppt		1	1.9	6.1		
perfluorotridecanoic acid (PFTDoA)	ND	ppt		1	3.2	10		
perfluorotetradecanoic acid (PFTTA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	51.267%			1				SR S
C13-PFDoA (SURR)	91.532%			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: 1075384_34153 Collected: 08/16/18 Analyzed: 08/28/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	8.52	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	3.9	ppt		1	0.73	2.3		
perfluorohexanoic acid (PFHxA)	8.29	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[4.1]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	5.88	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	ND	ppt		1	1.5	4.9		
perfluorooctanesulfonic acid (PFOS)	10.2	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.43]	ppt		1	0.90	2.7		J
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	1.0	3.0		
perfluorododecanoic acid (PFDDoA)	ND	ppt		1	1.9	6.1		
perfluorotridecanoic acid (PFTDoA)	ND	ppt		1	3.2	10		
perfluorotetradecanoic acid (PFTTA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	54.893%			1				SR S
C13-PFDoA (SURR)	92.184%			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.

