



Environmental Chemists, Inc.

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ANALYTICAL & CONSULTING CHEMISTS

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November 10, 2018

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

Report #2018-16772
Collected – October 11, 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 NLS Project: 310303

Project Description: PFCs by EPA 537 w/GenX

Project Title: Template: 537PPTGENX Printed: 10/29/2018 16:40

Sample: 1087552_42377 Collected: 10/11/18 Analyzed: 10/24/18 Analyses: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	14.6	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	4.74	ppt		1	0.73	2.3		
perfluoroheptanoic acid (PFHpA)	14.1	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[3.35]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	9.18	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	[1.96]	ppt		1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	13.1	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.67]	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)	62.812%			1				SR S
C13-PFDA (SURR)	80.964%			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: 1087551 42378 Collected: 10/11/18 Analyzed: 10/24/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	SWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	15.3	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	4.53	ppt		1	0.73	2.3		
perfluorheptanoic acid (PFHpA)	15.8	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[2.9]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	8.04	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	[1.91]	ppt		1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	11.9	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.62]	ppt		1	0.90	2.7		J
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	1.0	3.0		
perfluorododecanoic acid (PFDDA)	ND	ppt		1	1.9	6.1		
perfluorotridecanoic acid (PFTrDA)	ND	ppt		1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	60.121%			1				SRS
C13-PFDA (SURR)	86.949%			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.

