

Environmental Chemists, Inc.

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October 19, 2017

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

Report #2017-14985

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

Page 1 of 3

Customer: Environmental Chemists NLS Project: 288648

Project Description: GenX and Other PFCs by EPA537

Project Title: Template: 537PPTGENX Printed: 10/18/2017 13:44

Sample: 1022994 36153 Collected: 09/28/17 Analyzed: 10/13/17 - Analytes: 13							
ANALYTE NAME RE	RESULT	UNITSWWB	무	LOD	٥٥	MCL	Note
perfluorobutanesulfonic acid (PFBS)	B	ppt		6.6	21		
perfluorohexanoic acid (PFHxA)	16	ppt	_	<u>.</u>	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	20.6	ppt	>	0.73	2.3		
perfluoroheptanoic acid (PFHpA)	13.9	ppt		0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[4.19]	ppt	-	2.8	8.8		ے
perfluorooctanoic acid (PFOA)	7.72	ppt	_	1.2	3.9		
perfluorononanoic acid (PFNA)	[1.84]	ppt		1.5	4.9		_
perfluorooctanesulfonic acid (PFOS)	7.06	ppt		1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.27]	ppt	_	0.90	2.7		د
perfluoroundecanoic acid (PFUnA)	ND	ppt	_	1.0	3.0		
perfluorododecanoic acid (PFDoA)	B	ppt	-	1.9	6.1		
perfluorotridecanoic acid (PFTrDA)	ND	ppt	-	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt	>	2.8	8.9		
C13-PFHxA (SURR) 84.	84.153%						တ
(C13-PFDA (SURR) 91.	91.918%						တ

- 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.

ANALYTE NAME	RESULT	UNITS WWB	2	LOD	L00	MCL	Note
perfluorobutanesulfonic acid (PFBS)	S	ppt	-	6.6	21		
perfluorohexanoic acid (PFHxA)	16.9	ppt	_	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	21.7	pot		0.73	23		
perfluoroheptanoic acid (PFHpA)	16.5	ppt	احــا	0.80	26		
perfluorohexanesulfonic acid (PFHxS)	[4 97]	pot		28	20 1		-
perfluorooctanoic acid (PFOA)	9.81	ppt		1.2	3.9		
perfluorononanoic acid (PFNA)	[2.46]	ppt	-	1.5	4.9		
perfluorooctanesulfonic acid (PFOS)	10.3	ppt		1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.68]	ppt	_	0.90	2.7		
perfluoroundecanoic acid (PFUnA)	NO	ppt		1.0	3.0		
perfluorododecanoic acid (PFDoA)	ND	ppt	-	1.9	6.1		
perfluorotridecanoic acid (PFTrDA)	N	ppt		3.2	10		
perfluorotetradecanoic acid (PFTA)	N	ppt	-	2.8	8.9		***************************************
C13-PFHxA (SURR)	73.299%						'n
C13-PFDA (SURR)	64.946%				***************************************		SR 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-PFDA 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.

OFFICE: 910-392-0223 FAX 910-392-4424 info@environmentalchemists.com

NCDENR: DWQ CERTIFICATION # 94 NCDHHS: DLS CERTIFICATION # 37729

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