



Environmental Chemists, Inc.

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ANALYTICAL & CONSULTING CHEMISTS

info@environmentalchemists.com

May 9, 2018

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

Report #2018-05744

Enclosed please find your analytical report.

Sincerely,

Tammy Duran
Environmental Chemists, Inc.

Customer: Environmental Chemists NLS Project: 298319

Project Description: Investigative Drinking Water

Project Title: EPA 537 7 GenX

Template: 537PPTGENX Printed: 05/08/2018 16:40

Sample: 1051610 18-14282 Collected: 04/12/18 Analyzed: 04/30/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	19.4	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	18.4	ppt		1	0.73	2.3		
perfluorohexanoic acid (PFHxA)	14.4	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHS)	[4.55]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	7.08	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	[1.5]	ppt		1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	10.2	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[2.19]	ppt		1	0.90	2.7		
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	1.0	3.0		J BD
perfluorododecanoic acid (PFDoA)	ND	ppt		1	1.9	6.1		
perfluorotridecanoic acid (PFTDA)	ND	ppt		1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	121.044%			1				S
C13-PFDA (SURR)	94.831%			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.
 BD = Compound was detected in the laboratory method blank.
 perfluorodecanoic acid (PFDA) detected at 1.19 ppt.

Sample: 1051609 18-14281 Collected: 04/12/18 Analyzed: 04/30/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	6.6	21		
perfluorohexanoic acid (PFHxA)	20.4	ppt		1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	27.5	ppt		1	0.73	2.3		
perfluorohexanoic acid (PFHxA)	16.1	ppt		1	0.80	2.6		
perfluorohexanesulfonic acid (PFHS)	[5.35]	ppt		1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	7.39	ppt		1	1.2	3.9		
perfluorononanoic acid (PFNA)	ND	ppt		1	1.5	4.9		
perfluorooctanesulfonic acid (PFOS)	10.9	ppt		1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[2.27]	ppt		1	0.90	2.7		
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	1.0	3.0		J BD
perfluorododecanoic acid (PFDoA)	ND	ppt		1	1.9	6.1		
perfluorotridecanoic acid (PFTDA)	ND	ppt		1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	2.8	8.9		
C13-PFHxA (SURR)	115.773%			1				S
C13-PFDA (SURR)	92.229%			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.
 BD = Compound was detected in the laboratory method blank.
 perfluorodecanoic acid (PFDA) detected at 1.19 ppt.



Analytical & Consulting Chemists

ENVIRONMENTAL CHEMISTS, INC

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

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COLLECTION AND CHAIN OF CUSTODY

Client: Brunswick County Water PROJECT NAME: _____ REPORT NO: 18-05744

ADDRESS: P.O. Box 249 CONTACT NAME: Gwendolyn Walker PO NO: _____

BOLIVIA, N.C. 28422 REPORT TO: SAME PHONE/FAX: _____

COPY TO: _____ email: gwendolyn.walker@brunswickcountync.gov

Sampled By: Billy Beaton SAMPLE TYPE: | = Influent, E = Effluent, W = Well, ST = Stream, SO = Soil, SL = Sludge, Other: _____

Sample Identification	Collection			Sample Type	Composite or Grab	Container (P or G)	Chlorine mg/L	LAB ID NUMBER	PRESERVATION						ANALYSIS REQUESTED	
	Date	Time	Temp						NONE	HCL	H2SO4	HNO3	NAOH	THIO		OTHER
041218-SD1	4/12/18	0835		RAW	C	(P)		14281							EPA 537+ GENX	
					C	(P)										
					(G)	G										
041218-E01	4/12/18	0835		DW	C	(P)		14282							/	
					(G)	G										
					C	P										
					C	P										
					G	G										
					C	P										
					G	G										
					C	P										
					G	G										
					C	P										
					G	G										
					C	P										
					G	G										

Transfer Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

1. Billy Beaton 4/12/18

2. _____

Temperature when Received: _____ Accepted: _____ Rejected: _____ Resample Requested: _____

Delivered By: _____ Received By: _____ Date: _____

Comments: _____

Time: _____

TURNAROUND: _____