



Environmental Chemists, Inc.

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ANALYTICAL & CONSULTING CHEMISTS

info@environmentalchemists.com

June 21, 2018

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

Report #2018-08527
Collected – May 31, 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: 300803
Project Description: Brunswick -
Project Title: EPA 537 w/GenX

Template: 537PPT2GENX Printed: 06/19/2018 14:53

Sample: 1059179 053118-S01 Collected: 05/31/18 Analyzed: 06/13/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WMB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	3.6	1.1		
perfluorohexanoic acid (PFHxA)	23.4	ppt		1	0.83	2.6		
perfluoro-2-propoxypropanoic acid (GenX)	9.68	ppt		1	0.62	2.0		
perfluorohexanoic acid (PFHxA)	18.2	ppt		1	0.45	1.4		
perfluorohexanesulfonic acid (PFHS)	[3.97]	ppt		1	1.3	4.1		J
perfluorooctanoic acid (PFOA)	11.6	ppt		1	0.70	2.2		
perfluorononanoic acid (PFNA)	[2.56]	ppt		1	1.3	4.1		J
perfluorooctanesulfonic acid (PFOS)	12.7	ppt		1	1.5	4.7		
perfluorodecanoic acid (PFDA)	[2.43]	ppt		1	1.2	3.8		J
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	1.2	3.7		
perfluorododecanoic acid (PFDDA)	ND	ppt		1	0.95	3.0		
perfluorotridecanoic acid (PFTDA)	ND	ppt		1	0.97	3.1		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	0.88	2.8		
C13-PFHxA (SURR)	101.272%			1				S
C13-PFDA (SURR)	115.872%			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.

Sample: 1059180 053118-E01 Collected: 05/31/18 Analyzed: 06/13/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS	WMB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		1	3.6	1.1		
perfluorohexanoic acid (PFHxA)	23.1	ppt		1	0.83	2.6		
perfluoro-2-propoxypropanoic acid (GenX)	8.05	ppt		1	0.62	2.0		
perfluorohexanoic acid (PFHxA)	18.6	ppt		1	0.45	1.4		
perfluorohexanesulfonic acid (PFHS)	[3.4]	ppt		1	1.3	4.1		J
perfluorooctanoic acid (PFOA)	9.82	ppt		1	0.70	2.2		
perfluorononanoic acid (PFNA)	[2.02]	ppt		1	1.3	4.1		J
perfluorooctanesulfonic acid (PFOS)	10.8	ppt		1	1.5	4.7		
perfluorodecanoic acid (PFDA)	[1.97]	ppt		1	1.2	3.8		J
perfluoroundecanoic acid (PFUnA)	ND	ppt		1	1.2	3.7		
perfluorododecanoic acid (PFDDA)	ND	ppt		1	0.95	3.0		
perfluorotridecanoic acid (PFTDA)	ND	ppt		1	0.97	3.1		
perfluorotetradecanoic acid (PFTA)	ND	ppt		1	0.88	2.8		
C13-PFHxA (SURR)	97.476%			1				S
C13-PFDA (SURR)	108.44%			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.

ENVIRONMENTAL CHEMISTS, INC
NCDEMR: DWQ CERTIFICATION # 94 NCDHHS: DLS CERTIFICATION # 37729
COLLECTION AND CHAIN OF CUSTODY

CLIENT: Braunslick County Water
ADDRESS: P.O. Box 249
BOUVIA, N.C. 28422

PROJECT NAME:
CONTACT NAME: GLEN WALKER
REPORT TO: SAME
COPY TO:

REPORT NO:
PO NO: 18-08527
PHONE/FAX:
email: glenn.walker@braunslickcounty.gov

Sampled By: BIUU BENTON SAMPLE TYPE: I = 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		Zn acetate
053118-S01	5/31/18	10 45 AM	25.5 °C	RMW	G	P		21414							EPA 537 + GENX	
053118-E01	5/31/18	10 45 AM	25.5 °C	DM	G	G		21417								
					C	P										
					G	G										
					C	P										
					G	G										
					C	P										
					G	G										
					C	P										
					G	G										
					C	P										
					G	G										
					C	P										
					G	G										

Transfer Relinquished By: BIUU BENTON Date/Time: 5/31/18

Accepted: [Signature] Received By: [Signature] Date: 5-31-18 Time: 2:05 P

Resample Requested: _____

Temperature when Received: _____

Delivered By: BIUU BENTON Received By: [Signature]

Comments: TURNAROUND: