

Environmental Chemists, Inc.

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info@environmentalchemists.com

August 9, 2017

Brunswick Regional Water & Sewer Post Office Box 2230 Leland, NC 28451

Report #2017-10824

Enclosed please find your analytical report.

Sincerely,

Tammy Duran

Environmental Chemists, Inc.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDATCP Laboratory Certification No. 105-330 WDNR Laboratory ID No. 721026460

EPA Laboratory ID No. WI00034

Printed: 08/09/17 Page 1 of 1

NLS Project: 284122

NLS Customer: 96259

6602 Windmill Way Wilmington, NC 28405

Client:

Environmental Chemists

Attn: Ray Porter

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content. ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable NA = Not Applicable Reviewed by: R. T. Kru Presiden	25989 FB NLS ID: 1007905 COC: 192201:1 Matrix: FB Collected: 07/26/17 14:10 Received: 08/01/17 Parameter Solid Phase Extraction by EPA Method 537 GenX and PFCs by EPA 537	25989 NLS ID: 1007904 COC: 192201:1 Matrix: DW Collected: 07/26/17 14:10 Received: 08/01/17 Parameter Solid Phase Extraction by EPA Method 537 GenX and PFCs by EPA 537	
D but less than the LOQ and are within a region of "Less d with an asterisk(*) are considered Reporting Limits. Al LOQ = Limit of Quantitation NA = Not Applicable 1000 ug/L = 1 mg/L Shaded results indicate >MCL.	Result Units Dilution not analyzed not analyzed	Result Units Dilution yes see attached	
S-Certain Quantitation". Results greate II LOD/LOQs adjusted to reflect dilution Reviewed by:	LOD LOQ Analyzed 08/03/17 08/03/17	LOD LOQ/MCL Analyzed 08/02/17 08/03/17	
Ilts greater than or equal to the LOQ act dilution and/or solids content.	Method EPA 537 EPA 537	Method EPA 537	
are considered Authorized by: R. T. Krueger President	Lab 721026460 721026460	Lab 721026460 721026460	

Reviewed by: Aut f. Ost

ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA 537 Rev 1.1 Safe Drinking Water Analysis Customer: Environmental Chemists NLS Project: 284122
Project Description: GenX with Other PFCs
Project Title: Template: 537PPTGENX Printed: 08/09/2017 13:53

Page 1 of 1

Sample: 1007904 25989 Collected: 07/26/17 Analyzed: 08/03/17 - Analytes: 13	ytes: 13						
ANALYTE NAME	RESULT	UNITS WWB	믿	LOD	<u>م</u>	MCL	Note
perfluorobutanesulfonic acid (PFBS)	8	pot		6.6	21		
perfluorohexanoic acid (PFHxA)	10.5	ppt	>	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	36	pot		0.73	2.3		Admin/24/19/19/
perfluoroheptanoic acid (PFHpA)	8.09	ppt	_	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[5.23]	ppt		2.8	8,8		J
perfluorooctanoic acid (PFOA)	7.77	ppt		12	3.9	**************************************	To the state of th
perfluorononanoic acid (PFNA)	[1.54]	ppt	_	1.5	4.9		
perfluorooctanesulfonic acid (PFOS)	9.96	ppt	_	1.7	5.3		
perfluorodecanoic acid (PFDA)	[0.99]	ppt		0.90	2.7		
perfluoroundecanoic acid (PFUnA)	S	ppt		1.0	3.0		
perfluorododecanoic acid (PFDoA)	8	ppt		1.9	6.1		
perfluorotridecanoic acid (PFTrDA)	8	ppt		3.2	õ		
perfluorotetradecanoic acid (PFTA)	8	ppt		2.8	8.9		
C13-PFHxA (SURR)	75.394%						S
C13-PFDA (SURR)	94.982%						S

The PFOA branch isotope peak is included in the PFOA calculation per EPA directive. GenX analysis performed by Modified EPA Method 537.

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

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

6602 Windmill Way Wilmington, NC 28405 OFFICE: 910-392-0223 FAX 910-392-4424 info@environmentalchemists.com

COLLECTION AND CHAIN OF CUSTODY

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				СОРҮ	COPY TO: Russ Lawe	85 Lans	1 14							email:	aii:		
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Comments: