

ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA 537 Rev 1.1 Safe Drinking Water Analysis

Customer: Environmental Chemists NLS Project: 292916

Project Description: EPA 537 Gen X

Project Title: Template: 537PPTGENX Printed: 01/15/2018 09:29

Sample: 1036249 48486 Collected: 12/21/17 Analyzed: 01/11/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt	1	6.6	21		
perfluorohexanoic acid (PFHxA)	35.3	ppt	1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	22.8	ppt	1	0.73	2.3		
perfluoroheptanoic acid (PFHpA)	37.4	ppt	1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[8.73]	ppt	1	2.8	8.8		J
perfluorooctanoic acid (PFOA)	14	ppt	1	1.2	3.9		
perfluorononanoic acid (PFNA)	[2.74]	ppt	1	1.5	4.9		J
perfluorooctanesulfonic acid (PFOS)	13	ppt	1	1.7	5.3		
perfluorodecanoic acid (PFDA)	[1.82]	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 (PFTTrDA)	ND	ppt	1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt	1	2.8	8.9		
C13-PFHxA (SURR)	76.796%						S
C13-PFDA (SURR)	76.212%						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: 1036250 48487 Collected: 12/21/17 Analyzed: 01/11/18 - Analytes: 13

ANALYTE NAME	RESULT	UNITS WWB	DIL	LOD	LOQ	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt	1	6.6	21		
perfluorohexanoic acid (PFHxA)	14	ppt	1	1.3	4.0		
perfluoro-2-propoxypropanoic acid (GenX)	12.6	ppt	1	0.73	2.3		
perfluoroheptanoic acid (PFHpA)	12.4	ppt	1	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	ND	ppt	1	2.8	8.8		
perfluorooctanoic acid (PFOA)	4.6	ppt	1	1.2	3.9		
perfluorononanoic acid (PFNA)	ND	ppt	1	1.5	4.9		
perfluorooctanesulfonic acid (PFOS)	[2.85]	ppt	1	1.7	5.3		J
perfluorodecanoic acid (PFDA)	ND	ppt	1	0.90	2.7		
perfluoroundecanoic acid (PFUnA)	ND	ppt	1	1.0	3.0		
perfluorododecanoic acid (PFDoA)	ND	ppt	1	1.9	6.1		
perfluorotridecanoic acid (PFTTrDA)	ND	ppt	1	3.2	10		
perfluorotetradecanoic acid (PFTA)	ND	ppt	1	2.8	8.9		
C13-PFHxA (SURR)	80.594%						S
C13-PFDA (SURR)	88.631%						S

NOTES APPLICABLE TO THIS ANALYSIS:

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S = This compound is a surrogate used to evaluate the quality control of a method.

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

COLLECTION AND CHAIN OF CUSTODY

CLIENT: Brunswick County PWD
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 Belvidere, NC 28422
 PROJECT NAME: Gen X Compounds
 CONTACT NAME: Glenn Walker
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Sampled By: Billy 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	ICE	COOL	SN	NOH	Q SL		R SL
122117-501	12/21/17	0830	13.5	RAW	C	P		48486								EPA 537 + Gen X
122117-E01	12/21/17	0830		DW	C	P		48487								
					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 Requisitioned By: _____ Date/Time: 12/21/17 Received By: _____ Date/Time: _____

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

Delivered By: _____ Received By: _____ Date: _____ Time: _____

Comments: _____

TURNAROUND: _____