



March 30, 2020

Bob Walker
H2GO Brunswick Regional Water & Sewer
516 Village Rd, NE
Leland, North Carolina 28451

Re: Routine Analytical Analysis
Work Order: 507105

Dear Bob Walker:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on March 17, 2020. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4707.

Sincerely,

Katelyn Gray
Project Manager

Purchase Order: GELP20-0170
Enclosures

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

**Certificate of Analysis Report
for**

H2GO001 H2GO Brunswick Regional Water & Sewer

Client SDG: 507105 GEL Work Order: 507105

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- J See case narrative for an explanation
- J Value is estimated
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Katelyn Gray.



Reviewed by _____

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID:	2001 Black Creek Well #1	Project:	H2GO00120
Sample ID:	507105001	Client ID:	H2GO001
Matrix:	Ground Water		
Collect Date:	16-MAR-20 14:16		
Receive Date:	17-MAR-20		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
LCMSMS PFCs												
EPA 537 Modified PFCs Full List "As Received"												
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	U	ND	1.33	3.81	ng/L	0.0202	1	JLS	03/26/20	2012	1981837	1
Hexafluoropropyleneoxide dimer acid (HFPO-DA)(Gen-X)	U	ND	0.667	2.02	ng/L	0.0202	1					
N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE)	U	ND	1.33	4.04	ng/L	0.0202	1					
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)	U	ND	1.33	4.04	ng/L	0.0202	1					
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFECA-G)	UX	ND	1.33	4.04	ng/L	0.0202	1					
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	U	ND	1.33	3.97	ng/L	0.0202	1					
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	U	ND	1.33	3.88	ng/L	0.0202	1					
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	U	ND	1.33	3.84	ng/L	0.0202	1					
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	U	ND	1.33	3.88	ng/L	0.0202	1					
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	U	ND	1.33	4.04	ng/L	0.0202	1					
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	U	ND	1.33	4.04	ng/L	0.0202	1					
N-Methylperfluorooctane sulfonamide (NMeFOSA)	U	ND	1.33	4.04	ng/L	0.0202	1					
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	U	ND	1.33	4.04	ng/L	0.0202	1					
Nafion Byproduct 1	UX	ND	1.33	4.04	ng/L	0.0202	1					
Nafion Byproduct 2	UX	ND	1.33	4.04	ng/L	0.0202	1					
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	UX	ND	1.33	4.04	ng/L	0.0202	1					
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA)	UX	ND	1.33	4.04	ng/L	0.0202	1					
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA)	UX	ND	1.33	4.04	ng/L	0.0202	1					
Perfluorododecane sulfonic acid (PFDoS)	U	ND	0.667	2.02	ng/L	0.0202	1					

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Certificate of Analysis

Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID: 2001 Black Creek Well #1
Sample ID: 507105001

Project: H2GO00120
Client ID: H2GO001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
LCMSMS PFCs											
EPA 537 Modified PFCs Full List "As Received"											
Perfluoro-2-methoxyacetic acid (PFMOAA)	UX	ND	1.33	4.04	ng/L	0.0202	1				
Perfluoro-3-methoxypropanoic acid (PFMPA)	UX	ND	1.33	4.04	ng/L	0.0202	1				
Perfluoro-4-methoxybutanoic acid (PFMBA)	UX	ND	1.33	4.04	ng/L	0.0202	1				
Perfluorobutane sulfonic acid (PFBS)	U	ND	0.667	1.80	ng/L	0.0202	1				
Perfluorobutanoic acid (PFBA)	U	ND	0.808	2.02	ng/L	0.0202	1				
Perfluorodecane sulfonic acid (PFDS)	U	ND	0.667	1.96	ng/L	0.0202	1				
Perfluorodecanoic acid (PFDA)	U	ND	0.788	2.02	ng/L	0.0202	1				
Perfluorododecanoic acid (PFDOA)	U	ND	0.667	2.02	ng/L	0.0202	1				
Perfluoroheptane sulfonic acid (PFHpS)	U	ND	0.667	1.92	ng/L	0.0202	1				
Perfluoroheptanoic acid (PFHpA)	U	ND	0.667	2.02	ng/L	0.0202	1				
Perfluorohexane sulfonic acid (PFHxS)	U	ND	0.667	1.84	ng/L	0.0202	1				
Perfluorohexanoic acid (PFHxA)	U	ND	0.808	2.02	ng/L	0.0202	1				
Perfluorononane sulfonic acid (PFNS)	U	ND	0.707	1.94	ng/L	0.0202	1				
Perfluorononanoic acid (PFNA)	U	ND	0.667	2.02	ng/L	0.0202	1				
Perfluorooctane sulfonamide (PFOSAm)	U	ND	0.667	2.02	ng/L	0.0202	1				
Perfluorooctane sulfonic acid (PFOS)	U	ND	0.808	2.02	ng/L	0.0202	1				
Perfluorooctanoic acid (PFOA)	U	ND	0.808	2.02	ng/L	0.0202	1				
Perfluoropentane sulfonic acid (PFPeS)	U	ND	0.667	1.90	ng/L	0.0202	1				
Perfluoropentanoic acid (PFPeA)	U	ND	0.667	2.02	ng/L	0.0202	1				
Perfluorotetradecanoic acid (PFTDA)	U	ND	0.808	2.02	ng/L	0.0202	1				
Perfluorotridecanoic acid (PFTTrDA)	U	ND	0.667	2.02	ng/L	0.0202	1				
Perfluoroundecanoic acid (PFUnDA)	U	ND	0.667	2.02	ng/L	0.0202	1				
Perfluoro(3,5,7,9,11-pentaaxadodecanoic) acid (PFO5DA) (TAF)	UX	ND	1.33	4.04	ng/L	0.0202	1				
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	U	ND	0.667	2.02	ng/L	0.0202	1				

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Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID: 2001 Black Creek Well #1 Project: H2GO00120
Sample ID: 507105001 Client ID: H2GO001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
LCMSMS PFCs												
EPA 537 Modified PFCs Full List "As Received"												
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	U	ND	6.67	19.0	ng/L	0.0202	5	JLS	03/26/20	2219	1981837	2

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
EPA 537.1 Mod, PFAS, Compl PFCs Extraction in Liquid		LM1	03/18/20	1536	1981836

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 537.1 Mod, PFAS, Compliant with QSM Table B-15	
2	EPA 537.1 Mod, PFAS, Compliant with QSM Table B-15	

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level
DL: Detection Limit PF: Prep Factor
MDA: Minimum Detectable Activity RL: Reporting Limit
MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID: 2002 Lower Peedee Well #1	Project: H2GO00120
Sample ID: 507105002	Client ID: H2GO001
Matrix: Ground Water	
Collect Date: 16-MAR-20 14:20	
Receive Date: 17-MAR-20	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
LCMSMS PFCs												
EPA 537 Modified PFCs Full List "As Received"												
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	U	ND	1.23	3.51	ng/L	0.0187	1	JLS	03/26/20	2020	1981837	1
Hexafluoropropyleneoxide dimer acid (HFPO-DA)(Gen-X)	U	ND	0.616	1.87	ng/L	0.0187	1					
N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE)	U	ND	1.23	3.73	ng/L	0.0187	1					
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)	U	ND	1.23	3.73	ng/L	0.0187	1					
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFECA-G)	UX	ND	1.23	3.73	ng/L	0.0187	1					
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	U	ND	1.23	3.66	ng/L	0.0187	1					
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	U	ND	1.23	3.58	ng/L	0.0187	1					
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	U	ND	1.23	3.58	ng/L	0.0187	1					
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	U	ND	1.23	3.73	ng/L	0.0187	1					
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	U	ND	1.23	3.73	ng/L	0.0187	1					
N-Methylperfluorooctane sulfonamide (NMeFOSA)	U	ND	1.23	3.73	ng/L	0.0187	1					
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	U	ND	1.23	3.73	ng/L	0.0187	1					
Nafion Byproduct 1	UX	ND	1.23	3.73	ng/L	0.0187	1					
Nafion Byproduct 2	UX	ND	1.23	3.73	ng/L	0.0187	1					
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	UX	ND	1.23	3.73	ng/L	0.0187	1					
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA)	UX	ND	1.23	3.73	ng/L	0.0187	1					
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA)	UX	ND	1.23	3.73	ng/L	0.0187	1					
Perfluorododecane sulfonic acid (PFDoS)	U	ND	0.616	1.87	ng/L	0.0187	1					
Perfluoro-2-methoxyacetic acid (PFMOAA)	UX	ND	1.23	3.73	ng/L	0.0187	1					

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Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID: 2002 Lower Peedee Well #1
Sample ID: 507105002

Project: H2GO00120
Client ID: H2GO001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
LCMSMS PFCs											
EPA 537 Modified PFCs Full List "As Received"											
Perfluoro-3-methoxypropanoic acid (PFMPA)	UX	ND	1.23	3.73	ng/L	0.0187	1				
Perfluoro-4-methoxybutanoic acid (PFMBA)	UX	ND	1.23	3.73	ng/L	0.0187	1				
Perfluorobutane sulfonic acid (PFBS)	U	ND	0.616	1.66	ng/L	0.0187	1				
Perfluorobutanoic acid (PFBA)	U	ND	0.746	1.87	ng/L	0.0187	1				
Perfluorodecane sulfonic acid (PFDS)	U	ND	0.616	1.81	ng/L	0.0187	1				
Perfluorodecanoic acid (PFDA)	U	ND	0.728	1.87	ng/L	0.0187	1				
Perfluorododecanoic acid (PFDOA)	U	ND	0.616	1.87	ng/L	0.0187	1				
Perfluoroheptane sulfonic acid (PFHpS)	U	ND	0.616	1.77	ng/L	0.0187	1				
Perfluoroheptanoic acid (PFHpA)	U	ND	0.616	1.87	ng/L	0.0187	1				
Perfluorohexane sulfonic acid (PFHxS)	U	ND	0.616	1.70	ng/L	0.0187	1				
Perfluorohexanoic acid (PFHxA)	U	ND	0.746	1.87	ng/L	0.0187	1				
Perfluorononane sulfonic acid (PFNS)	U	ND	0.653	1.79	ng/L	0.0187	1				
Perfluorononanoic acid (PFNA)	U	ND	0.616	1.87	ng/L	0.0187	1				
Perfluorooctane sulfonamide (PFOSAm)	U	ND	0.616	1.87	ng/L	0.0187	1				
Perfluorooctane sulfonic acid (PFOS)	U	ND	0.746	1.87	ng/L	0.0187	1				
Perfluorooctanoic acid (PFOA)	U	ND	0.746	1.87	ng/L	0.0187	1				
Perfluoropentane sulfonic acid (PFPeS)	U	ND	0.616	1.75	ng/L	0.0187	1				
Perfluoropentanoic acid (PFPeA)	U	ND	0.616	1.87	ng/L	0.0187	1				
Perfluorotetradecanoic acid (PFTDA)	U	ND	0.746	1.87	ng/L	0.0187	1				
Perfluorotridecanoic acid (PFTrDA)	U	ND	0.616	1.87	ng/L	0.0187	1				
Perfluoroundecanoic acid (PFUnDA)	U	ND	0.616	1.87	ng/L	0.0187	1				
Perfluoro(3,5,7,9,11-pentaoxadodecanoic acid (PFO5DA) (TAF)	UX	ND	1.23	3.73	ng/L	0.0187	1				
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	U	ND	0.616	1.87	ng/L	0.0187	1				
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	U	ND	6.16	17.5	ng/L	0.0187	5	JLS	03/27/20	1506 1981837	2

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID: 2002 Lower Peedee Well #1
Sample ID: 507105002

Project: H2GO00120
Client ID: H2GO001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
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LCMSMS PFCs

EPA 537 Modified PFCs Full List "As Received"

1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	U	ND	6.16	17.7	ng/L	0.0187	5					
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The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
EPA 537.1 Mod, PFAS, Compl PFCs Extraction in Liquid		LM1	03/18/20	1536	1981836

The following Analytical Methods were performed:

Method	Description	Analyst	Comments
1	EPA 537.1 Mod, PFAS, Compliant with QSM Table B-15		
2	EPA 537.1 Mod, PFAS, Compliant with QSM Table B-15		

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID: 2003 BPS Tank	Project: H2GO00120
Sample ID: 507105003	Client ID: H2GO001
Matrix: Drinking Water (Potable)	
Collect Date: 16-MAR-20 13:56	
Receive Date: 17-MAR-20	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
LCMSMS PFCs												
EPA 537.1 PFCs Full List "As Received"												
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	U	ND	1.18	3.59	ng/L	0.0180	1	JLS	03/20/20	1942	1982322	1
Hexafluoropropyleneoxide dimer acid (HFPO-DA)(Gen-X)		12.4	0.592	1.80	ng/L	0.0180	1					
N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE)	U	ND	1.18	3.59	ng/L	0.0180	1					
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)	U	ND	1.18	3.59	ng/L	0.0180	1					
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFECA-G)	UX	ND	1.18	3.59	ng/L	0.0180	1					
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	U	ND	1.18	3.59	ng/L	0.0180	1					
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	U	ND	1.18	3.45	ng/L	0.0180	1					
1H, 1H, 2H, 2H-Perfluorododecane sulfonic acid (8:2 FTS)	U	ND	1.18	3.45	ng/L	0.0180	1					
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	U	ND	1.18	3.59	ng/L	0.0180	1					
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	U	ND	1.18	3.59	ng/L	0.0180	1					
N-Methylperfluorooctane sulfonamide (NMeFOSA)	U	ND	1.18	3.59	ng/L	0.0180	1					
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	U	ND	1.18	3.59	ng/L	0.0180	1					
Nafion Byproduct 1	UX	ND	1.18	3.59	ng/L	0.0180	1					
Nafion Byproduct 2	UX	ND	1.18	3.59	ng/L	0.0180	1					
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	JX	1.47	1.18	3.59	ng/L	0.0180	1					
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA)	X	5.00	1.18	3.59	ng/L	0.0180	1					
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA)	X	14.5	1.18	3.59	ng/L	0.0180	1					
Perfluorododecane sulfonic acid (PFDoS)	U	ND	0.592	1.74	ng/L	0.0180	1					
Perfluoro-2-methoxyacetic acid (PFMOAA)	X	17.7	1.18	3.59	ng/L	0.0180	1					

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Certificate of Analysis

Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID: 2003 BPS Tank
Sample ID: 507105003

Project: H2GO00120
Client ID: H2GO001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
LCMSMS PFCs												
EPA 537.1 PFCs Full List "As Received"												
Perfluoro-3-methoxypropanoic acid (PFMPA)	X	4.64	1.18	3.59	ng/L	0.0180	1					
Perfluoro-4-methoxybutanoic acid (PFMBA)	X	5.30	1.18	3.59	ng/L	0.0180	1					
Perfluorobutane sulfonic acid (PFBS)		2.34	0.592	1.60	ng/L	0.0180	1					
Perfluorodecane sulfonic acid (PFDS)	U	ND	0.592	1.74	ng/L	0.0180	1					
Perfluorodecanoic acid (PFDA)	U	ND	0.592	1.80	ng/L	0.0180	1					
Perfluorododecanoic acid (PFDOA)	U	ND	0.592	1.80	ng/L	0.0180	1					
Perfluoroheptane sulfonic acid (PFHpS)	U	ND	0.592	1.71	ng/L	0.0180	1					
Perfluoroheptanoic acid (PFHpA)		3.13	0.592	1.80	ng/L	0.0180	1					
Perfluorohexane sulfonic acid (PFHxS)		3.21	0.592	1.63	ng/L	0.0180	1					
Perfluorohexanoic acid (PFHxA)		5.69	0.592	1.80	ng/L	0.0180	1					
Perfluorononane sulfonic acid (PFNS)	U	ND	0.592	1.72	ng/L	0.0180	1					
Perfluorononanoic acid (PFNA)	U	ND	0.592	1.80	ng/L	0.0180	1					
Perfluorooctane sulfonamide (PFOSAm)	U	ND	0.592	1.67	ng/L	0.0180	1					
Perfluorooctane sulfonic acid (PFOS)		8.59	0.682	1.80	ng/L	0.0180	1					
Perfluorooctanoic acid (PFOA)		4.69	0.592	1.80	ng/L	0.0180	1					
Perfluoropentane sulfonic acid (PFPeS)	U	ND	0.592	1.69	ng/L	0.0180	1					
Perfluoropentanoic acid (PFPeA)		5.44	0.592	1.80	ng/L	0.0180	1					
Perfluorotetradecanoic acid (PFTDA)	U	ND	0.592	1.80	ng/L	0.0180	1					
Perfluorotridecanoic acid (PFTrDA)	U	ND	0.592	1.80	ng/L	0.0180	1					
Perfluoroundecanoic acid (PFUnDA)	U	ND	0.592	1.80	ng/L	0.0180	1					
Perfluoro(3,5,7,9,11-pentaaxadodecanoic acid (PFO5DA) (TAF)	UX	ND	1.18	1.80	ng/L	0.0180	1					
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	U	ND	0.592	1.80	ng/L	0.0180	1					
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	U	ND	5.92	16.9	ng/L	0.0180	5	JLS	03/20/20	2206	1982322	2
1H, 1H, 2H, 2H-Perfluorooctane	U	ND	5.92	17.1	ng/L	0.0180	5					

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Certificate of Analysis

Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID: 2003 BPS Tank
Sample ID: 507105003

Project: H2GO00120
Client ID: H2GO001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
LCMSMS PFCs												
EPA 537.1 PFCs Full List "As Received"												
sulfonic acid (6:2 FTS)												
Perfluorobutanoic acid (PFBA)	J	3.56	2.96	8.98	ng/L	0.0180	5					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
EPA 537.1	PFCs Extraction in Drinking Water	LM1	03/19/20	1522	1982321

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 537.1	
2	EPA 537.1	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID: 1003 BPS Tank
Sample ID: 507105004
Matrix: Water
Collect Date: 16-MAR-20 13:56
Receive Date: 17-MAR-20
Collector: Client

Project: H2GO00120
Client ID: H2GO001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
LCMSMS PFCs												
EPA 537.1 PFCs Full List "As Received"												
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	U	ND	1.14	3.44	ng/L	0.0172	1	JLS	03/20/20	1950	1982322	1
Hexafluoropropyleneoxide dimer acid (HFPO-DA)(Gen-X)	U	ND	0.568	1.72	ng/L	0.0172	1					
N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE)	U	ND	1.14	3.44	ng/L	0.0172	1					
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)	U	ND	1.14	3.44	ng/L	0.0172	1					
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFECA-G)	UX	ND	1.14	3.44	ng/L	0.0172	1					
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	U	ND	1.14	3.44	ng/L	0.0172	1					
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	U	ND	1.14	3.31	ng/L	0.0172	1					
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	U	ND	1.14	3.24	ng/L	0.0172	1					
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	U	ND	1.14	3.27	ng/L	0.0172	1					
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	U	ND	1.14	3.31	ng/L	0.0172	1					
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	U	ND	1.14	3.44	ng/L	0.0172	1					
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	U	ND	1.14	3.44	ng/L	0.0172	1					
N-Methylperfluorooctane sulfonamide (NMeFOSA)	U	ND	1.14	3.44	ng/L	0.0172	1					
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	U	ND	1.14	3.44	ng/L	0.0172	1					
Nafion Byproduct 1	UX	ND	1.14	3.44	ng/L	0.0172	1					
Nafion Byproduct 2	UX	ND	1.14	3.44	ng/L	0.0172	1					
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	UX	ND	1.14	3.44	ng/L	0.0172	1					
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA)	UX	ND	1.14	3.44	ng/L	0.0172	1					
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA)	UX	ND	1.14	3.44	ng/L	0.0172	1					

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Certificate of Analysis

Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID: 1003 BPS Tank
Sample ID: 507105004

Project: H2GO00120
Client ID: H2GO001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
LCMSMS PFCs											
EPA 537.1 PFCs Full List "As Received"											
Perfluorododecane sulfonic acid (PFDoS)	U	ND	0.568	1.67	ng/L	0.0172	1				
Perfluoro-2-methoxyacetic acid (PFMOAA)	UX	ND	1.14	3.44	ng/L	0.0172	1				
Perfluoro-3-methoxypropanoic acid (PFMPA)	UX	ND	1.14	3.44	ng/L	0.0172	1				
Perfluoro-4-methoxybutanoic acid (PFMBA)	UX	ND	1.14	3.44	ng/L	0.0172	1				
Perfluorobutane sulfonic acid (PFBS)	U	ND	0.568	1.53	ng/L	0.0172	1				
Perfluorobutanoic acid (PFBA)	U	ND	0.568	1.72	ng/L	0.0172	1				
Perfluorodecane sulfonic acid (PFDS)	U	ND	0.568	1.67	ng/L	0.0172	1				
Perfluorodecanoic acid (PFDA)	U	ND	0.568	1.72	ng/L	0.0172	1				
Perfluorododecanoic acid (PFDOA)	U	ND	0.568	1.72	ng/L	0.0172	1				
Perfluoroheptane sulfonic acid (PFHpS)	U	ND	0.568	1.64	ng/L	0.0172	1				
Perfluoroheptanoic acid (PFHpA)	U	ND	0.568	1.72	ng/L	0.0172	1				
Perfluorohexane sulfonic acid (PFHxS)	U	ND	0.568	1.57	ng/L	0.0172	1				
Perfluorohexanoic acid (PFHxA)	U	ND	0.568	1.72	ng/L	0.0172	1				
Perfluorononane sulfonic acid (PFNS)	U	ND	0.568	1.65	ng/L	0.0172	1				
Perfluorononanoic acid (PFNA)	U	ND	0.568	1.72	ng/L	0.0172	1				
Perfluorooctane sulfonamide (PFOSAm)	U	ND	0.568	1.60	ng/L	0.0172	1				
Perfluorooctane sulfonic acid (PFOS)	U	ND	0.654	1.72	ng/L	0.0172	1				
Perfluorooctanoic acid (PFOA)	U	ND	0.568	1.72	ng/L	0.0172	1				
Perfluoropentane sulfonic acid (PFPeS)	U	ND	0.568	1.62	ng/L	0.0172	1				
Perfluoropentanoic acid (PFPeA)	U	ND	0.568	1.72	ng/L	0.0172	1				
Perfluorotetradecanoic acid (PFTDA)	U	ND	0.568	1.72	ng/L	0.0172	1				
Perfluorotridecanoic acid (PFTrDA)	U	ND	0.568	1.72	ng/L	0.0172	1				
Perfluoroundecanoic acid (PFUnDA)	U	ND	0.568	1.72	ng/L	0.0172	1				
Perfluoro(3,5,7,9,11-pentaoxidodecanoic) acid (PFO5DA) (TAF)	UX	ND	1.14	1.72	ng/L	0.0172	1				

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Certificate of Analysis

Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID: 1003 BPS Tank
Sample ID: 507105004

Project: H2GO00120
Client ID: H2GO001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
LCMSMS PFCs												
EPA 537.1 PFCs Full List "As Received"												
4,8-Dioxa-3H-perfluoronanoic acid (DONA)	U	ND	0.568	1.72	ng/L	0.0172	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
EPA 537.1	PFCs Extraction in Drinking Water	LM1	03/19/20	1522	1982321

The following Analytical Methods were performed:

Method	Description	Analyst	Comments
1	EPA 537.1		

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID:	2001 Black Creek Well #1	Project:	H2GO00120
Sample ID:	507105005	Client ID:	H2GO001
Matrix:	Ground Water		
Collect Date:	16-MAR-20 14:16		
Receive Date:	17-MAR-20		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Semi-Volatile-GC/MS												
EPA 522 1,4-Dioxane, Liquid "As Received"												
1,4-Dioxane	U	ND	0.100	0.200	ug/L	0.0200	1	LOF	03/26/20	0229	1982797	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
EPA 522	EPA 522 Prep 1,4-Dioxane	SJ	03/25/20	1300	1982795

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 522	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,4-Dioxane-d8	EPA 522 1,4-Dioxane, Liquid "As Received"	3.47 ug/L	4.00	87	(70%-130%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID:	2002 Lower Peedee Well #1	Project:	H2GO00120
Sample ID:	507105006	Client ID:	H2GO001
Matrix:	Ground Water		
Collect Date:	16-MAR-20 14:20		
Receive Date:	17-MAR-20		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Semi-Volatile-GC/MS												
EPA 522 1,4-Dioxane, Liquid "As Received"												
1,4-Dioxane	U	ND	0.100	0.200	ug/L	0.0200	1	LOF	03/26/20	0256	1982797	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
EPA 522	EPA 522 Prep 1,4-Dioxane	SJ	03/25/20	1300	1982795

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 522	

Surrogate/Tracer	Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,4-Dioxane-d8		EPA 522 1,4-Dioxane, Liquid "As Received"	3.53 ug/L	4.00	88	(70%-130%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: March 30, 2020

Company : H2GO Brunswick Regional Water & Sewer
Address : 516 Village Rd, NE

Leland, North Carolina 28451

Contact: Bob Walker
Project: Routine Analytical Analysis

Client Sample ID:	2003 BPS Tank	Project:	H2GO00120
Sample ID:	507105007	Client ID:	H2GO001
Matrix:	Drinking Water (Potable)		
Collect Date:	16-MAR-20 13:56		
Receive Date:	17-MAR-20		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Semi-Volatile-GC/MS												
EPA 522 1,4-Dioxane, Liquid "As Received"												
1,4-Dioxane		1.47	0.100	0.200	ug/L	0.0200	1	LOF	03/26/20	0322	1982797	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
EPA 522	EPA 522 Prep 1,4-Dioxane	SJ	03/25/20	1300	1982795

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 522	

Surrogate/Tracer	Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,4-Dioxane-d8		EPA 522 1,4-Dioxane, Liquid "As Received"	4.41 ug/L	4.00	110	(70%-130%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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QC Summary

Report Date: March 30, 2020

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H2GO Brunswick Regional Water & Sewer
516 Village Rd, NE
Leland, North Carolina

Contact: Bob Walker

Workorder: 507105

Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1981837										
QC1204528263 LCS											
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	18.4			18.1	ng/L		98	(56%-130%)	JLS	03/26/20	19:55
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	18.8			18.9	ng/L		101	(57%-140%)			
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	18.3			18.9	ng/L		103	(60%-145%)			
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	18.6			16.2	ng/L		87	(56%-143%)			
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	19.0			16.7	ng/L		88	(48%-147%)			
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	19.6			19.2	ng/L		98	(62%-130%)			
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFECA-G)	19.6		X	21.3	ng/L		109	(70%-139%)			
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	18.3			20.5	ng/L		112	(71%-138%)			
Hexafluoropropyleneoxide dimer acid (HFPO-DA)(Gen-X)	19.6			19.5	ng/L		100	(64%-160%)			
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	19.6			20.4	ng/L		104	(22%-136%)			
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	19.6			22.2	ng/L		113	(63%-131%)			
N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE)	19.6			21.6	ng/L		110	(52%-129%)			
N-Methylperfluorooctane sulfonamide (NMeFOSA)	19.6			25.3	ng/L		129	(22%-135%)			
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	19.6			19.1	ng/L		97	(62%-140%)			

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QC Summary

Workorder: 507105

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1981837										
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)	19.6			25.2	ng/L		129	(52%-132%)	JLS	03/26/20	19:55
Nafion Byproduct 1	19.6		X	13.9	ng/L		71	(30%-123%)			
Nafion Byproduct 2	19.6		X	21.0	ng/L		107	(61%-133%)			
Perfluoro(3,5,7,9,11-pentaoxadodecanoic) acid (PFO5DA) (TAF)	19.6		X	21.4	ng/L		109	(57%-153%)			
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	19.6		X	19.3	ng/L		98	(55%-159%)			
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA)	19.6		X	20.8	ng/L		106	(59%-154%)			
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA)	19.6		X	21.1	ng/L		108	(50%-150%)			
Perfluoro-2-methoxyacetic acid (PFMOAA)	19.6		X	22.8	ng/L		117	(40%-149%)			
Perfluoro-3-methoxypropanoic acid (PFMPA)	19.6		X	18.3	ng/L		94	(52%-154%)			
Perfluoro-4-methoxybutanoic acid (PFMBA)	19.6		X	19.8	ng/L		101	(50%-150%)			
Perfluorobutane sulfonic acid (PFBS)	17.3			16.8	ng/L		97	(68%-136%)			
Perfluorobutanoic acid (PFBA)	19.6			19.6	ng/L		100	(70%-133%)			
Perfluorodecane sulfonic acid (PFDS)	18.9			18.6	ng/L		99	(53%-142%)			
Perfluorodecanoic acid (PFDA)	19.6			17.8	ng/L		91	(62%-135%)			
Perfluorododecane sulfonic acid (PFDoS)	19.0			17.1	ng/L		90	(53%-142%)			

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QC Summary

Workorder: 507105

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Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1981837										
Perfluorododecanoic acid (PFDOA)	19.6			19.4	ng/L		99	(66%-131%)	JLS	03/26/20	19:55
Perfluoroheptane sulfonic acid (PFHpS)	18.6			19.7	ng/L		106	(66%-138%)			
Perfluoroheptanoic acid (PFHpA)	19.6			19.7	ng/L		100	(67%-135%)			
Perfluorohexane sulfonic acid (PFHxS)	17.9			16.2	ng/L		91	(64%-137%)			
Perfluorohexanoic acid (PFHxA)	19.6			17.5	ng/L		89	(67%-133%)			
Perfluorononane sulfonic acid (PFNS)	18.8			20.7	ng/L		110	(66%-130%)			
Perfluorononanoic acid (PFNA)	19.6			18.3	ng/L		94	(66%-134%)			
Perfluorooctane sulfonamide (PFOSAm)	19.6			18.4	ng/L		94	(68%-137%)			
Perfluorooctane sulfonic acid (PFOS)	19.6			20.1	ng/L		102	(61%-131%)			
Perfluorooctanoic acid (PFOA)	19.6			19.0	ng/L		97	(63%-145%)			
Perfluoropentane sulfonic acid (PFPeS)	18.4			17.4	ng/L		94	(62%-139%)			
Perfluoropentanoic acid (PFPeA)	19.6			19.1	ng/L		97	(69%-132%)			
Perfluorotetradecanoic acid (PFTDA)	19.6			20.5	ng/L		105	(65%-143%)			
Perfluorotridecanoic acid (PFTTrDA)	19.6			16.6	ng/L		85	(57%-149%)			
Perfluoroundecanoic acid (PFUnDA)	19.6			19.9	ng/L		102	(65%-134%)			

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QC Summary

Workorder: 507105

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1981837										
QC1204528264	LCSD										
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	18.0			17.8	ng/L	2	99	(0%-30%)	JLS	03/26/20	20:03
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	18.4			19.8	ng/L	5	108	(0%-39%)			
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	17.9			17.4	ng/L	8	97	(0%-35%)			
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	18.2			20.1	ng/L	21	111	(0%-36%)			
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	18.6			16.6	ng/L	0	90	(0%-32%)			
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	19.1			19.4	ng/L	1	101	(0%-30%)			
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFECA-G)	19.1		X	21.7	ng/L	2	114	(0%-27%)			
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	17.8			20.4	ng/L	1	114	(0%-30%)			
Hexafluoropropyleneoxide dimer acid (HFPO-DA)(Gen-X)	19.1			20.1	ng/L	3	105	(0%-30%)			
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	19.1			22.6	ng/L	10	118	(0%-28%)			
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	19.1			21.1	ng/L	5	110	(0%-25%)			
N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE)	19.1			19.1	ng/L	12	100	(0%-31%)			
N-Methylperfluorooctane sulfonamide (NMeFOSA)	19.1			22.7	ng/L	11	118	(0%-26%)			
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	19.1			22.9	ng/L	18	120	(0%-26%)			
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)	19.1			20.8	ng/L	19	109	(0%-33%)			

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1981837										
Nafion Byproduct 1	19.1		X	15.6	ng/L	12	82	(0%-30%)	JLS	03/26/20	20:03
Nafion Byproduct 2	19.1		X	20.0	ng/L	5	105	(0%-30%)			
Perfluoro(3,5,7,9,11-pentaoxadodecanoic) acid (PFO5DA) (TAF)	19.1		X	23.6	ng/L	10	123	(0%-47%)			
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	19.1		X	21.1	ng/L	9	110	(0%-48%)			
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA)	19.1		X	22.3	ng/L	7	117	(0%-44%)			
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA)	19.1		X	20.7	ng/L	2	108	(0%-33%)			
Perfluoro-2-methoxyacetic acid (PFMOAA)	19.1		X	19.8	ng/L	14	103	(0%-34%)			
Perfluoro-3-methoxypropanoic acid (PFMPA)	19.1		X	19.2	ng/L	5	101	(0%-29%)			
Perfluoro-4-methoxybutanoic acid (PFMBA)	19.1		X	20.5	ng/L	3	107	(0%-30%)			
Perfluorobutane sulfonic acid (PFBS)	16.9			17.3	ng/L	3	102	(0%-30%)			
Perfluorobutanoic acid (PFBA)	19.1			19.2	ng/L	2	100	(0%-30%)			
Perfluorodecane sulfonic acid (PFDS)	18.5			18.3	ng/L	2	99	(0%-28%)			
Perfluorodecanoic acid (PFDA)	19.1			19.0	ng/L	7	99	(0%-29%)			
Perfluorododecane sulfonic acid (PFDoS)	18.5			17.4	ng/L	2	94	(0%-30%)			
Perfluorododecanoic acid (PFDOA)	19.1			19.3	ng/L	1	101	(0%-30%)			

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1981837										
Perfluoroheptane sulfonic acid (PFHpS)	18.2			22.3	ng/L	12	123	(0%-30%)	JLS	03/26/20	20:03
Perfluoroheptanoic acid (PFHpA)	19.1			18.3	ng/L	7	96	(0%-30%)			
Perfluorohexane sulfonic acid (PFHxS)	17.4			17.3	ng/L	6	99	(0%-30%)			
Perfluorohexanoic acid (PFHxA)	19.1			18.9	ng/L	8	99	(0%-30%)			
Perfluorononane sulfonic acid (PFNS)	18.4			20.1	ng/L	3	109	(0%-27%)			
Perfluorononanoic acid (PFNA)	19.1			17.3	ng/L	6	91	(0%-27%)			
Perfluorooctane sulfonamide (PFOSAm)	19.1			19.9	ng/L	8	104	(0%-30%)			
Perfluorooctane sulfonic acid (PFOS)	19.1			21.5	ng/L	7	112	(0%-27%)			
Perfluorooctanoic acid (PFOA)	19.1			18.4	ng/L	3	96	(0%-30%)			
Perfluoropentane sulfonic acid (PFPeS)	18.0			18.2	ng/L	5	101	(0%-29%)			
Perfluoropentanoic acid (PFPeA)	19.1			19.2	ng/L	0	100	(0%-30%)			
Perfluorotetradecanoic acid (PFTDA)	19.1			18.8	ng/L	9	98	(0%-30%)			
Perfluorotridecanoic acid (PFTrDA)	19.1			16.0	ng/L	4	83	(0%-35%)			
Perfluoroundecanoic acid (PFUnDA)	19.1			19.1	ng/L	4	100	(0%-28%)			
QC1204528262 MB											
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)			U	ND	ng/L						03/27/20 14:58

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1981837										
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)			U	ND	ng/L				JLS	03/27/20	14:58
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)			U	ND	ng/L						
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)			U	ND	ng/L						
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)			U	ND	ng/L						
4,8-Dioxa-3H-perfluorononanoic acid (DONA)			U	ND	ng/L						
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFECA-G)			UX	ND	ng/L						
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)			U	ND	ng/L						
Hexafluoropropyleneoxide dimer acid (HFPO-DA)(Gen-X)			U	ND	ng/L						
N-Ethylperfluorooctane sulfonamide (EtFOSAm)			U	ND	ng/L						
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)			U	ND	ng/L						
N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE)			U	ND	ng/L						
N-Methylperfluorooctane sulfonamide (NMeFOSA)			U	ND	ng/L						
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)			U	ND	ng/L						
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)			U	ND	ng/L						
Nafion Byproduct 1			UX	ND	ng/L						

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Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1981837										
Nafion Byproduct 2			UX	ND	ng/L				JLS	03/27/20	14:58
Perfluoro(3,5,7,9,11-pentaoxadodecanoic) acid (PFO5DA) (TAF)			UX	ND	ng/L						
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)			UX	ND	ng/L						
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA)			UX	ND	ng/L						
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA)			UX	ND	ng/L						
Perfluoro-2-methoxyacetic acid (PFMOAA)			UX	ND	ng/L						
Perfluoro-3-methoxypropanoic acid (PFMPA)			UX	ND	ng/L						
Perfluoro-4-methoxybutanoic acid (PFMBA)			UX	ND	ng/L						
Perfluorobutane sulfonic acid (PFBS)			U	ND	ng/L						
Perfluorobutanoic acid (PFBA)			U	ND	ng/L						
Perfluorodecane sulfonic acid (PFDS)			U	ND	ng/L						
Perfluorodecanoic acid (PFDA)			U	ND	ng/L						
Perfluorododecane sulfonic acid (PFDoS)			U	ND	ng/L						
Perfluorododecanoic acid (PFDOA)			U	ND	ng/L						
Perfluoroheptane sulfonic acid (PFHpS)			U	ND	ng/L						

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Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1981837										
Perfluoroheptanoic acid (PFHpA)			U	ND	ng/L				JLS	03/27/20	14:58
Perfluorohexane sulfonic acid (PFHxS)			U	ND	ng/L						
Perfluorohexanoic acid (PFHxA)			U	ND	ng/L						
Perfluorononane sulfonic acid (PFNS)			U	ND	ng/L						
Perfluorononanoic acid (PFNA)			U	ND	ng/L						
Perfluorooctane sulfonamide (PFOSAm)			U	ND	ng/L						
Perfluorooctane sulfonic acid (PFOS)			U	ND	ng/L						
Perfluorooctanoic acid (PFOA)			U	ND	ng/L						
Perfluoropentane sulfonic acid (PFPeS)			U	ND	ng/L						
Perfluoropentanoic acid (PFPeA)			U	ND	ng/L						
Perfluorotetradecanoic acid (PFTDA)			U	ND	ng/L						
Perfluorotridecanoic acid (PFTrDA)			U	ND	ng/L						
Perfluoroundecanoic acid (PFUnDA)			U	ND	ng/L						
Batch	1982322										
QC1204529421	LCS										
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	19.2			15.6	ng/L		81	(70%-130%)	JLS	03/20/20	19:16
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	19.6			16.7	ng/L		85	(70%-130%)			

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1982322										
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	19.1			16.3	ng/L		85	(70%-130%)	JLS	03/20/20	19:16
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	19.4			16.7	ng/L		86	(70%-130%)			
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	19.8			18.5	ng/L		93	(48%-147%)			
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	20.4			20.5	ng/L		100	(70%-130%)			
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFECA-G)	20.4		X	21.8	ng/L		107	(70%-139%)			
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	19.0			17.7	ng/L		93	(70%-130%)			
Hexafluoropropyleneoxide dimer acid (HFPO-DA)(Gen-X)	20.4			16.8	ng/L		82	(70%-130%)			
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	20.4			13.9	ng/L		68	(22%-136%)			
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	20.4			16.8	ng/L		82	(70%-130%)			
N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE)	20.4			16.9	ng/L		83	(52%-129%)			
N-Methylperfluorooctane sulfonamide (NMeFOSA)	20.4			14.1	ng/L		69	(22%-135%)			
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	20.4			17.7	ng/L		87	(70%-130%)			
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)	20.4			18.2	ng/L		89	(52%-132%)			
Nafion Byproduct 1	20.4		X	16.0	ng/L		78	(30%-123%)			
Nafion Byproduct 2	20.4		X	18.1	ng/L		89	(61%-133%)			

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1982322										
Perfluoro(3,5,7,9,11-pentaoxadodecanoic) acid (PFO5DA) (TAF)	20.4		X	16.6	ng/L		81	(57%-153%)	JLS	03/20/20	19:16
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	20.4		X	19.2	ng/L		94	(55%-159%)			
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA)	20.4		X	18.6	ng/L		91	(59%-154%)			
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA)	20.4		X	18.3	ng/L		89	(50%-150%)			
Perfluoro-2-methoxyacetic acid (PFMOAA)	20.4		X	19.1	ng/L		94	(40%-149%)			
Perfluoro-3-methoxypropanoic acid (PFMPA)	20.4		X	17.7	ng/L		87	(52%-154%)			
Perfluoro-4-methoxybutanoic acid (PFMBA)	20.4		X	18.2	ng/L		89	(50%-150%)			
Perfluorobutane sulfonic acid (PFBS)	18.1			15.8	ng/L		87	(70%-130%)			
Perfluorobutanoic acid (PFBA)	20.4			17.1	ng/L		84	(70%-130%)			
Perfluorodecane sulfonic acid (PFDS)	19.7			15.7	ng/L		80	(70%-130%)			
Perfluorodecanoic acid (PFDA)	20.4			16.6	ng/L		81	(70%-130%)			
Perfluorododecane sulfonic acid (PFDoS)	19.8			16.3	ng/L		83	(53%-142%)			
Perfluorododecanoic acid (PFDOA)	20.4			17.2	ng/L		84	(70%-130%)			
Perfluoroheptane sulfonic acid (PFHpS)	19.4			16.9	ng/L		87	(70%-130%)			
Perfluoroheptanoic acid (PFHpA)	20.4			17.6	ng/L		86	(70%-130%)			

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1982322										
Perfluorohexane sulfonic acid (PFHxS)	18.6			14.9	ng/L		80	(70%-130%)	JLS	03/20/20	19:16
Perfluorohexanoic acid (PFHxA)	20.4			16.3	ng/L		80	(70%-130%)			
Perfluorononane sulfonic acid (PFNS)	19.6			17.8	ng/L		91	(70%-130%)			
Perfluorononanoic acid (PFNA)	20.4			15.6	ng/L		76	(70%-130%)			
Perfluorooctane sulfonamide (PFOSAm)	20.4			17.4	ng/L		85	(70%-130%)			
Perfluorooctane sulfonic acid (PFOS)	20.4			15.8	ng/L		78	(70%-130%)			
Perfluorooctanoic acid (PFOA)	20.4			17.6	ng/L		86	(70%-130%)			
Perfluoropentane sulfonic acid (PFPeS)	19.2			16.2	ng/L		85	(70%-130%)			
Perfluoropentanoic acid (PFPeA)	20.4			16.8	ng/L		82	(70%-130%)			
Perfluorotetradecanoic acid (PFTDA)	20.4			17.9	ng/L		88	(70%-130%)			
Perfluorotridecanoic acid (PFTrDA)	20.4			18.1	ng/L		89	(70%-130%)			
Perfluoroundecanoic acid (PFUnDA)	20.4			14.5	ng/L		71	(70%-130%)			
QC1204529420 MB											
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)			U	ND	ng/L						03/20/20 19:08
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)			U	ND	ng/L						
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)			U	ND	ng/L						

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Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1982322										
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)			U	ND	ng/L				JLS	03/20/20	19:08
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)			U	ND	ng/L						
4,8-Dioxa-3H-perfluorononanoic acid (DONA)			U	ND	ng/L						
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFECA-G)			UX	ND	ng/L						
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)			U	ND	ng/L						
Hexafluoropropyleneoxide dimer acid (HFPO-DA)(Gen-X)			U	ND	ng/L						
N-Ethylperfluorooctane sulfonamide (EtFOSAm)			U	ND	ng/L						
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)			U	ND	ng/L						
N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE)			U	ND	ng/L						
N-Methylperfluorooctane sulfonamide (NMeFOSA)			U	ND	ng/L						
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)			U	ND	ng/L						
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)			U	ND	ng/L						
Nafion Byproduct 1			UX	ND	ng/L						
Nafion Byproduct 2			UX	ND	ng/L						
Perfluoro(3,5,7,9,11-pentaoxadodecanoic) acid (PFO5DA) (TAF)			UX	ND	ng/L						

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Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1982322										
Perfluoro(3,5,7,9-tetraoxadecanoic acid (PFO4DA))			UX	ND	ng/L				JLS	03/20/20	19:08
Perfluoro(3,5,7-trioxaoctanoic acid (PFO3OA))			UX	ND	ng/L						
Perfluoro(3,5-dioxahexanoic acid (PFO2HxA))			UX	ND	ng/L						
Perfluoro-2-methoxyacetic acid (PFMOAA)			UX	ND	ng/L						
Perfluoro-3-methoxypropanoic acid (PFMPA)			UX	ND	ng/L						
Perfluoro-4-methoxybutanoic acid (PFMBA)			UX	ND	ng/L						
Perfluorobutane sulfonic acid (PFBS)			U	ND	ng/L						
Perfluorobutanoic acid (PFBA)			U	ND	ng/L						
Perfluorodecane sulfonic acid (PFDS)			U	ND	ng/L						
Perfluorodecanoic acid (PFDA)			U	ND	ng/L						
Perfluorododecane sulfonic acid (PFDoS)			U	ND	ng/L						
Perfluorododecanoic acid (PFDOA)			U	ND	ng/L						
Perfluoroheptane sulfonic acid (PFHpS)			U	ND	ng/L						
Perfluoroheptanoic acid (PFHpA)			U	ND	ng/L						
Perfluorohexane sulfonic acid (PFHxS)			U	ND	ng/L						

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Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1982322										
Perfluorohexanoic acid (PFHxA)			U	ND	ng/L				JLS	03/20/20	19:08
Perfluorononane sulfonic acid (PFNS)			U	ND	ng/L						
Perfluorononanoic acid (PFNA)			U	ND	ng/L						
Perfluorooctane sulfonamide (PFOSAm)			U	ND	ng/L						
Perfluorooctane sulfonic acid (PFOS)			U	ND	ng/L						
Perfluorooctanoic acid (PFOA)			U	ND	ng/L						
Perfluoropentane sulfonic acid (PFPeS)			U	ND	ng/L						
Perfluoropentanoic acid (PFPeA)			U	ND	ng/L						
Perfluorotetradecanoic acid (PFTDA)			U	ND	ng/L						
Perfluorotridecanoic acid (PFTTrDA)			U	ND	ng/L						
Perfluoroundecanoic acid (PFUnDA)			U	ND	ng/L						
QC1204529422 507311004 MS											
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	17.3	U	ND	15.3	ng/L		88	(70%-130%)		03/20/20	21:24
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	17.6	U	ND	17.1	ng/L		97	(70%-130%)			
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	17.2	U	ND	16.5	ng/L		96	(70%-130%)			
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	17.4	U	ND	17.8	ng/L		102	(70%-130%)			

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1982322										
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	17.8	U	ND		18.4	ng/L	104	(36%-138%)	JLS	03/20/20	21:24
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	18.4	U	ND		21.3	ng/L	116	(70%-130%)			
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFECA-G)	18.4	UX	ND	X	22.7	ng/L	124	(52%-163%)			
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	17.1	U	ND		18.4	ng/L	108	(70%-130%)			
Hexafluoropropyleneoxide dimer acid (HFPO-DA)(Gen-X)	18.4	U	ND		18.5	ng/L	101	(70%-130%)			
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	18.4	U	ND		13.6	ng/L	74	(30%-130%)			
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	18.4	U	ND		20.2	ng/L	110	(70%-130%)			
N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE)	18.4	U	ND		17.4	ng/L	95	(42%-122%)			
N-Methylperfluorooctane sulfonamide (NMeFOSA)	18.4	U	ND		14.5	ng/L	79	(31%-130%)			
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	18.4	U	ND		17.9	ng/L	97	(70%-130%)			
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)	18.4	U	ND		18.6	ng/L	101	(36%-133%)			
Nafion Byproduct 1	18.4	UX	ND	X	18.0	ng/L	98	(34%-129%)			
Nafion Byproduct 2	18.4	UX	ND	X	19.4	ng/L	106	(21%-175%)			
Perfluoro(3,5,7,9,11-pentaoxadodecanoic) acid (PFO5DA) (TAF)	18.4	UX	ND	X	19.1	ng/L	104	(38%-168%)			
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	18.4	UX	ND	X	20.4	ng/L	111	(34%-180%)			

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1982322										
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA)	18.4	UX	ND	X	21.3	ng/L	116	(27%-185%)	JLS	03/20/20	21:24
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA)	18.4	UX	ND	X	21.4	ng/L	117	(30%-187%)			
Perfluoro-2-methoxyacetic acid (PFMOAA)	18.4	UX	ND	X	23.4	ng/L	127	(30%-204%)			
Perfluoro-3-methoxypropanoic acid (PFMPA)	18.4	JX	2.57	X	17.5	ng/L	81	(12%-183%)			
Perfluoro-4-methoxybutanoic acid (PFMBA)	18.4	UX	ND	X	20.4	ng/L	111	(7%-189%)			
Perfluorobutane sulfonic acid (PFBS)	16.2	J	0.645		17.0	ng/L	101	(70%-130%)			
Perfluorobutanoic acid (PFBA)	18.4		133		150	ng/L	95	(70%-130%)			
Perfluorodecane sulfonic acid (PFDS)	17.7	U	ND		15.6	ng/L	88	(70%-130%)			
Perfluorodecanoic acid (PFDA)	18.4	U	ND		16.9	ng/L	92	(70%-130%)			
Perfluorododecane sulfonic acid (PFDoS)	17.8	U	ND		16.7	ng/L	94	(53%-142%)			
Perfluorododecanoic acid (PFDOA)	18.4	U	ND		18.1	ng/L	99	(70%-130%)			
Perfluoroheptane sulfonic acid (PFHpS)	17.4	U	ND		16.9	ng/L	97	(70%-130%)			
Perfluoroheptanoic acid (PFHpA)	18.4	U	ND		15.5	ng/L	85	(70%-130%)			
Perfluorohexane sulfonic acid (PFHxS)	16.7		2.27		19.1	ng/L	101	(70%-130%)			
Perfluorohexanoic acid (PFHxA)	18.4		3.42		19.7	ng/L	89	(70%-130%)			

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QC Summary

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Parmname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1982322										
Perfluorononane sulfonic acid (PFNS)	17.6	U	ND	15.6	ng/L		88	(70%-130%)	JLS	03/20/20	21:24
Perfluorononanoic acid (PFNA)	18.4	U	ND	15.9	ng/L		87	(70%-130%)			
Perfluorooctane sulfonamide (PFOSAm)	18.4	U	ND	17.9	ng/L		97	(70%-130%)			
Perfluorooctane sulfonic acid (PFOS)	18.4		3.57	20.0	ng/L		90	(70%-130%)			
Perfluorooctanoic acid (PFOA)	18.4		2.81	20.9	ng/L		98	(70%-130%)			
Perfluoropentane sulfonic acid (PFPeS)	17.3	J	0.578	18.2	ng/L		102	(70%-130%)			
Perfluoropentanoic acid (PFPeA)	18.4	J	0.775	18.4	ng/L		96	(70%-130%)			
Perfluorotetradecanoic acid (PFTDA)	18.4	U	ND	17.9	ng/L		97	(70%-130%)			
Perfluorotridecanoic acid (PFTTrDA)	18.4	U	ND	18.9	ng/L		103	(70%-130%)			
Perfluoroundecanoic acid (PFUnDA)	18.4	U	ND	16.2	ng/L		88	(70%-130%)			
QC1204529423 507311004 MSD											
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	16.8	U	ND	16.3	ng/L	7	97	(0%-30%)		03/20/20	21:32
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	17.1	U	ND	16.9	ng/L	1	99	(0%-30%)			
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	16.6	U	ND	15.3	ng/L	7	92	(0%-30%)			
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	16.9	U	ND	16.8	ng/L	6	99	(0%-30%)			
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	17.3	U	ND	16.9	ng/L	9	98	(0%-44%)			

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QC Summary

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1982322										
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	17.8	U	ND		20.5	ng/L	4	115	(0%-30%)	JLS	03/20/20 21:32
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFECA-G)	17.8	UX	ND	X	21.1	ng/L	7	119	(0%-32%)		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	16.6	U	ND		17.1	ng/L	7	103	(0%-30%)		
Hexafluoropropyleneoxide dimer acid (HFPO-DA)(Gen-X)	17.8	U	ND		17.8	ng/L	4	100	(0%-30%)		
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	17.8	U	ND		13.4	ng/L	2	75	(0%-30%)		
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	17.8	U	ND		18.1	ng/L	11	102	(0%-30%)		
N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE)	17.8	U	ND		17.5	ng/L	0	98	(0%-30%)		
N-Methylperfluorooctane sulfonamide (NMeFOSA)	17.8	U	ND		17.3	ng/L	17	97	(0%-30%)		
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	17.8	U	ND		18.6	ng/L	4	104	(0%-30%)		
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)	17.8	U	ND		19.9	ng/L	7	112	(0%-30%)		
Nafion Byproduct 1	17.8	UX	ND	X	17.3	ng/L	4	97	(0%-36%)		
Nafion Byproduct 2	17.8	UX	ND	X	19.2	ng/L	1	108	(0%-29%)		
Perfluoro(3,5,7,9,11-pentaoxadodecanoic) acid (PFO5DA) (TAF)	17.8	UX	ND	X	20.2	ng/L	6	113	(0%-49%)		
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	17.8	UX	ND	X	20.3	ng/L	0	114	(0%-37%)		
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA)	17.8	UX	ND	X	20.2	ng/L	5	113	(0%-49%)		

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1982322										
Perfluoro(3,5-dioxahexanoic acid (PFO2HxA)	17.8	UX	ND	X	19.8	ng/L	8	111	(0%-28%)	JLS	03/20/20 21:32
Perfluoro-2-methoxyacetic acid (PFMOAA)	17.8	UX	ND	X	22.9	ng/L	2	129	(0%-46%)		
Perfluoro-3-methoxypropanoic acid (PFMPA)	17.8	JX	2.57	X	15.7	ng/L	11	74	(0%-31%)		
Perfluoro-4-methoxybutanoic acid (PFMBA)	17.8	UX	ND	X	20.9	ng/L	2	117	(0%-52%)		
Perfluorobutane sulfonic acid (PFBS)	15.7	J	0.645		16.4	ng/L	3	100	(0%-30%)		
Perfluorobutanoic acid (PFBA)	17.8		133		151	ng/L	0	101	(0%-30%)		
Perfluorodecane sulfonic acid (PFDS)	17.2	U	ND		16.5	ng/L	5	96	(0%-30%)		
Perfluorodecanoic acid (PFDA)	17.8	U	ND		17.4	ng/L	3	98	(0%-30%)		
Perfluorododecane sulfonic acid (PFDoS)	17.2	U	ND		16.6	ng/L	1	96	(0%-30%)		
Perfluorododecanoic acid (PFDOA)	17.8	U	ND		18.2	ng/L	0	102	(0%-30%)		
Perfluoroheptane sulfonic acid (PFHpS)	16.9	U	ND		18.2	ng/L	7	108	(0%-30%)		
Perfluoroheptanoic acid (PFHpA)	17.8	U	ND		15.9	ng/L	2	89	(0%-30%)		
Perfluorohexane sulfonic acid (PFHxS)	16.2		2.27		16.3	ng/L	16	87	(0%-30%)		
Perfluorohexanoic acid (PFHxA)	17.8		3.42		19.6	ng/L	1	91	(0%-30%)		
Perfluorononane sulfonic acid (PFNS)	17.1	U	ND		16.8	ng/L	8	98	(0%-30%)		

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Perfluorinated Compounds											
Batch	1982322										
Perfluorononanoic acid (PFNA)	17.8	U	ND	15.7	ng/L	1	88	(0%-30%)	JLS	03/20/20	21:32
Perfluorooctane sulfonamide (PFOSAm)	17.8	U	ND	18.1	ng/L	1	102	(0%-30%)			
Perfluorooctane sulfonic acid (PFOS)	17.8		3.57	19.6	ng/L	2	90	(0%-30%)			
Perfluorooctanoic acid (PFOA)	17.8		2.81	21.1	ng/L	1	103	(0%-30%)			
Perfluoropentane sulfonic acid (PFPeS)	16.7	J	0.578	18.1	ng/L	1	105	(0%-30%)			
Perfluoropentanoic acid (PFPeA)	17.8	J	0.775	17.0	ng/L	8	91	(0%-30%)			
Perfluorotetradecanoic acid (PFTDA)	17.8	U	ND	17.4	ng/L	3	98	(0%-30%)			
Perfluorotridecanoic acid (PFTrDA)	17.8	U	ND	17.4	ng/L	8	98	(0%-30%)			
Perfluoroundecanoic acid (PFUnDA)	17.8	U	ND	15.0	ng/L	8	84	(0%-30%)			
Semi-Volatile-GC/MS											
Batch	1982797										
QC1204530581	LCS										
1,4-Dioxane	4.00			3.41	ug/L		85	(70%-130%)	LOF	03/25/20	20:30
**1,4-Dioxane-d8	4.00			3.84	ug/L		96	(70%-130%)			
QC1204530580	MB										
1,4-Dioxane			U	ND	ug/L				JMB3	03/26/20	09:35
**1,4-Dioxane-d8	4.00			5.87	ug/L		147 *	(70%-130%)			
QC1204530582	507085001 MS										
1,4-Dioxane	4.00	U	ND	3.86	ug/L		97	(70%-130%)	LOF	03/26/20	01:10

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Parname	NOM	Sample	Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
Semi-Volatile-GC/MS											
Batch	1982797										
**1,4-Dioxane-d8	4.00	3.31		3.97	ug/L		99	(70%-130%)	LOF	03/26/20	01:10
QC1204530583 507085001 MSD 1,4-Dioxane											
1,4-Dioxane	4.00	U	ND	3.61	ug/L	7	90	(0%-30%)		03/26/20	01:35
**1,4-Dioxane-d8	4.00	3.31		3.68	ug/L		92	(70%-130%)			

Notes:

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B The target analyte was detected in the associated blank.
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J See case narrative for an explanation
- J Value is estimated
- JNX Non Calibrated Compound
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC). Quantitation is based on nearest internal standard response factor
- N Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC). Quantitation is based on nearest internal standard response factor
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, the difference is >70%.
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- UJ Compound cannot be extracted

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Parmname	NOM	Sample Qual	QC	Units	RPD/D%	REC%	Range	Anlst	Date	Time
X										
Y										
^										
h										

X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

Y QC Samples were not spiked with this compound

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

**Technical Case Narrative
H2GO Brunswick Regional Water & Sewer
SDG #: 507105**

GC/MS Semivolatile

Product: Analysis of 1,4-Dioxane in Drinking Water by Solid Phase Extraction (SPE) and Gas Chromatography/Mass Spectrometry

Analytical Method: EPA 522

Analytical Procedure: GL-OA-E-073 REV# 2

Analytical Batches: 1982797 and 1982795

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
507105005	2001 Black Creek Well #1
507105006	2002 Lower Peedee Well #1
507105007	2003 BPS Tank
1204530580	Method Blank (MB)
1204530581	Laboratory Control Sample (LCS)
1204530582	507085001(NonSDG) Matrix Spike (MS)
1204530583	507085001(NonSDG) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Surrogate Recoveries

The MB (See Below) did not meet surrogate recovery acceptance criteria. All other QC and samples were within surrogate acceptance criteria. Since there were no target analytes detected in the MB, the biased high recovery had no adverse impact on the reported data.

Sample	Analyte	Value
1204530580 (MB)	1, 4-Dioxane-d8	147* (70%-130%)

Technical Information

Sample Re-extraction/Re-analysis

The MB1204530580 (MB) was re-analyzed due to no ISTD. The re-analysis data were reported.

LCMSMS-Misc

Product: The Extraction and Analysis of Per and Polyfluoroalkyl Substances Using LCMSMS

Analytical Method: EPA 537.1 Mod, PFAS, Compliant with QSM Table B-15

Analytical Procedure: GL-OA-E-076 REV# 9

Analytical Batches: 1981837 and 1981836

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
507105001	2001 Black Creek Well #1
507105002	2002 Lower Peedee Well #1
1204528262	Method Blank (MB)
1204528263	Laboratory Control Sample (LCS)
1204528264	Laboratory Control Sample Duplicate (LCSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions

The following samples and/or QC were diluted due to the Internal Standard Recovery not within the limits. 507105001 (2001 Black Creek Well #1) and 507105002 (2002 Lower Peedee Well #1).

Analyte	507105	
	001	002
Fluorotelomer sulfonate 4:2 (4:2 FTS)	5X	5X
Fluorotelomer sulfonate 6:2 (6:2 FTS)	1X	5X

Miscellaneous Information

Additional Comments

Some analytes are X qualified because the standards used to make the initial calibration curve did not meet the ISO 17025 criterion. These are the only standard available for these analytes. 507105001 (2001 Black Creek Well #1) and 507105002 (2002 Lower Peedee Well #1). Additional sample was not provided for matrix QC. 507105001 (2001 Black Creek Well #1) and 507105002 (2002 Lower Peedee Well #1).

Product: The Extraction and Analysis of Per and Polyfluoroalkyl Substances Using LCMSMS

Analytical Method: EPA 537.1

Analytical Procedure: GL-OA-E-076 REV# 9

Analytical Batches: 1982322 and 1982321

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
507105003	2003 BPS Tank
507105004	1003 BPS Tank
1204529420	Method Blank (MB)
1204529421	Laboratory Control Sample (LCS)

1204529422
1204529423

507311004(NonSDG) Matrix Spike (MS)
507311004(NonSDG) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions

The following sample and/or QC were diluted due to the Internal Standard Recovery not within the limits. 507105003 (2003 BPS Tank).

Analyte	507105
	003
Fluorotelomer sulfonate 4:2 (4:2 FTS)	5X
Fluorotelomer sulfonate 6:2 (6:2 FTS)	5X
Perfluorobutyric acid (PFBA)	5X

Miscellaneous Information

Additional Comments

Some analytes are X qualified because the standards used to make the initial calibration curve did not meet the ISO 17025 criterion. These are the only standard available for these analytes. 507105003 (2003 BPS Tank) and 507105004 (1003 BPS Tank).

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered:		Total number of containers	Sample Analysis Requested (5) (Fill in the number of containers for each test)					Comments Note: extra sample is required for sample specific QC
						Radioactive (If yes, please supply isotope info.)	(7) Known or possible hazards		Field Reagent blank	PFAS DW-FRB (contains trizma)	PFC 537.1 GW	1,4 Dioxane EPA 222	PFAS GW screening	
2001 Black Creek Well #1	03/16/20	1416			GW			4	X	X	X	X		3 containers + SEC via
2002 Lower Peedee Well #1	03/16/20	1420			GW			4	X	X	X	X		" " "
2003 BPS Tank	03/16/20	1356			DW			3	X					3 Containers
1003 BPS Tank	03/16/20	1356	FRB		W			2	X					2 Containers FRB

Relinquished By (Signed) _____ Date _____ Time _____
 Received by (signed) _____ Date _____ Time _____
 Chain of Custody Signatures

1. *Bob Walker* 3-16-20 1740
 2. *Bob Walker* 3-16-20 0900
 3. _____

TAT Requested: Normal: Rush: _____ Specify: _____
 Fax Results: Yes No
 Select Deliverable: C of A QC Summary Level 1 Level 2 Level 3 Level 4
 Additional Remarks: 193521

For Lab Receiving Use Only: Custody Seal Intact? Yes No Cooler Temp: _____ °C
 Sample Collection Time Zone: Eastern Pacific Central Mountain Other

1.) Chain of Custody Number = Client Determined
 2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite
 3.) Field Filtered: For liquid matrices, indicate with a Y - for yes the sample was field filtered or - N - for sample was not field filtered.
 4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, ML=Misc Liquid, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal
 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).
 6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, if no preservative is added = leave field blank
 7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals As = Arsenic Hg = Mercury Ba = Barium Se = Selenium Cd = Cadmium Ag = Silver Cr = Chromium MR = Misc. RCRA metals Pb = Lead	Characteristic Hazards FL = Flammable/Ignitable CO = Corrosive RE = Reactive TSCA Regulated PCB = Polychlorinated biphenyls	Listed Waste LW = Listed Waste (F,K,P and U-listed wastes.) Waste code(s):	Other OT = Other / Unknown (i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.) Description:
---	---	--	---

Please provide any additional details below regarding handling and/or disposal concerns (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

SAMPLE RECEIPT & REVIEW FORM

Client: H260 SDG/AR/COC/Work Order: 507105 K.G.

Received By: TVE Date Received: 3/17/20

Carrier and Tracking Number: 3911 5532 0046
 FedEx Express FedEx Ground UPS Field Services Courier Other

Suspected Hazard Information: Yes No *If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.

A) Shipped as a DOT Hazardous? Hazard Class Shipped: _____ UN#: _____
 If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___

B) Did the client designate the samples are to be received as radioactive? COC notation or radioactive stickers on containers equal client designation.

C) Did the RSO classify the samples as radioactive? Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr
 Classified as: Rad 1 Rad 2 Rad 3

D) Did the client designate samples are hazardous? COC notation or hazard labels on containers equal client designation.

E) Did the RSO identify possible hazards? If D or E is yes, select Hazards below.
 PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other: _____

Sample Receipt Criteria		Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Preservation Method: <u>Wet Ice</u> Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius. TEMP: <u>1°C</u>
4	Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Temperature Device Serial #: <u>372-18</u> Secondary Temperature Device Serial # (If Applicable): _____
5	Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample ID's and Containers Affected: _____ If Preservation added, Lot#: _____
7	Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If Yes, are Encores or Soil Kits present for solids? Yes ___ No ___ NA ___ (If yes, take to VOA Freezer) Are liquid VOA vials contain acid preservation? Yes ___ No ___ NA ___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes ___ No ___ NA ___ Sample ID's and containers affected: _____
8	Samples received within holding time?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ID's and tests affected: _____
9	Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ID's and containers affected: _____
10	Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13	COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials NRG Date 03/18/20 Page 1 of 1

List of current GEL Certifications as of 30 March 2020

State	Certification
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122020-1
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019-165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-20-16
Utah NELAP	SC000122020-32
Vermont	VT87156
Virginia NELAP	460202
Washington	C780