



Tuesday, July 20, 2021

Fibertec Project Number: A02668
Project Identification: 231-832-5353 /231-832-5353
Submittal Date: 07/02/2021

Mr. Curt Brackenrich
Reed City POTW
227 E. Lincoln
Reed City, MI 49677

Dear Mr. Brackenrich,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

A handwritten signature in black ink that reads "Bailey Welch". The signature is fluid and cursive.

By Bailey Welch at 10:18 AM, Jul 20, 2021

For Daryl P. Strandbergh
Laboratory Director

Enclosures

1914 Holloway Drive
11766 E Grand River
8660 S Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	Reed City POTW	Sample Description:	Biosolids	Chain of Custody:	197449
Client Project Name:	231-832-5353	Sample No:		Collect Date:	07/01/21
Client Project No:	231-832-5353	Sample Matrix:	Biosolids	Collect Time:	09:00

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

PFAS						Aliquot ID:	A02668-001	Matrix: Biosolids		
Method: ASTM D7968-17a						Description:	Biosolids			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. ADONA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 2. 9CI-PF3ONS	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 3. 11CI-PF3OUdS	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 4. N-EtFOSAA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 5. FtS 4:2	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 6. FtS 6:2	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 7. FtS 8:2	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 8. HFPO-DA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 9. N-MeFOSAA	2.7		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 10. PFBA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 11. PFBS	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 12. PFDA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 13. PFDoA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 14. PFDS	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 15. PFHpA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 16. PFHpS	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 17. PFHxA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 18. PFHxS-Total	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 19. PFNA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 20. PFNS	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 21. PFOA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 22. PFOSA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 23. PFOS-Total	5.6		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 24. PFPeA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 25. PFPeS	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 26. PFTeA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 27. PFTrIA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG
‡ 28. PFUnA	U		µg/kg	2.0	1.0	07/19/21	PS21G17A	07/19/21	SM21G18A	SKG

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Client Identification:	Reed City POTW	Sample Description:	Field Blank	Chain of Custody:	197449
Client Project Name:	231-832-5353	Sample No:		Collect Date:	07/01/21
Client Project No:	231-832-5353	Sample Matrix:	Blank: Field	Collect Time:	09:00

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

PFAS						Aliquot ID: A02668-002		Matrix: Blank: Field		
Method: ASTM D7979-17						Description: Field Blank				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. N-EtFOSAA	U		ng/L	20	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 2. FtS 4:2	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 3. FtS 6:2	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 4. FtS 8:2	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 5. N-MeFOSAA	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 6. PFBA	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 7. PFBS	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 8. PFDA	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 9. PFDoA	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 10. PFDS	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 11. PFHpA	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 12. PFHpS	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 13. PFHxA	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 14. PFHxS-Total	U		ng/L	20	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 15. PFNA	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 16. PFNS	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 17. PFOA	U		ng/L	20	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 18. PFOSA	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 19. PFOS-Total	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 20. PFPeA	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 21. PFPeS	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 22. PFTeA	U		ng/L	20	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 23. PFTriA	U		ng/L	20	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG
‡ 24. PFUnA	U		ng/L	10	1.0	07/08/21	PS21G08G	07/09/21	SM21G08B	SKG

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Definitions/ Qualifiers:

- A:** Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

Analysis Locations:

All analyses performed in Holt.



Accreditation Number(s):

T104704518-19-8 (TX)

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