



Monday, March 28, 2022

Fibertec Project Number: A07440  
Project Identification: Biosolids - PFAS Monitoring /  
Submittal Date: 03/16/2022

Mr. Richard Lee Kane  
Delta Charter Township - Utility Dept.  
7000 West Willow  
Lansing, MI 48917

Dear Mr. Kane,

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.

Percent Solids for sample -001 were reported at 45.1%.

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, appearing to read "Sue Ricketts".

*By Sue Ricketts at 8:58 AM, Mar 28, 2022*

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

**Analytical Laboratory Report**  
**Laboratory Project Number: A07440**  
**Laboratory Sample Number: A07440-001**

Order: A07440  
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Date: 03/28/22

Client Identification:	<b>Delta Charter Township - Utility Dept.</b>	Sample Description:	<b>BS-22D-PFAS</b>	Chain of Custody:	<b>200098</b>
Client Project Name:	<b>Biosolids - PFAS Monitoring</b>	Sample No:		Collect Date:	<b>03/16/22</b>
Client Project No:	<b>NA</b>	Sample Matrix:	<b>Biosolids</b>	Collect Time:	<b>09:00</b>

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: A07440-001A		Matrix: Biosolids			
Method: ASTM D7968-17a						Description: BS-22D-PFAS					
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	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 2. 9CI-PF3ONS	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 3. 11CI-PF3OUdS	U	EIS-	µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 4. N-EtFOSAA	2.2	EIS-	µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 5. FtS 4:2	U	EIS+	µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 6. FtS 6:2	U	EIS+	µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 7. FtS 8:2	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 8. HFPO-DA	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 9. N-MeFOSAA	5.4	EIS-	µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 10. PFBA	U	EIS-	µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 11. PFBS	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 12. PFDA	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 13. PFDoA	U	EIS-	µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 14. PFDS	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 15. PFHpA	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 16. PFHpS	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 17. PFHxA	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 18. PFHxS- Total	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 19. PFNA	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 20. PFNS	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 21. PFOA	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 22. PFOSA	U	EIS-	µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 23. PFOS- Total	2.4		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 24. PFPeA	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 25. PFPeS	U	F+	µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 26. PFTeA	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 27. PFTriA	U	EIS- F+	µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	SKG	
‡ 28. PFUnA	U		µg/kg	2.0	1.0	03/23/22	PS22C23G	03/23/22	SM22C23B	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

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**Exception Summary:**

- EIS-** : The Isotope Dilution/Extracted Internal Standard area exceeds the lower control limit.  
**EIS+** : The Isotope Dilution/Extracted Internal Standard area exceeds the upper control limit.  
**F+** : Recovery from the spiked aliquot exceeds the upper control limit (matrix spike or matrix spike duplicate).

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**Analysis Locations:**

All analyses performed in Holt.

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Accreditation Number(s):

**T104704518-19-8 (TX)**

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