



Thursday, March 17, 2022

Fibertec Project Number: A07199
Project Identification: Biosolids /Biosolids
Submittal Date: 03/03/2022

Mr. Jason Casteel
City of Saginaw
2406 Veterans Memorial Pky.
Saginaw, MI 48601

Dear Mr. Casteel,

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.

Please note the samples arrived at the lab on ice at 8.2°C which exceeds the maximum criteria of 6°C.

Percent Solids for sample -001 were reported at 12.1%.

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". The signature is fluid and cursive.

By Sue Ricketts at 4:31 PM, Mar 17, 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
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T: (810) 220-3300
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F: (517) 699-0388
F: (810) 220-3311
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Client Identification:	City of Saginaw	Sample Description:	Cell 2	Chain of Custody:	NA
Client Project Name:	Biosolids	Sample No:		Collect Date:	02/28/22
Client Project No:	Biosolids	Sample Matrix:	Biosolids	Collect Time:	13:45

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:	A07199-001	Matrix: Biosolids		
Method: ASTM D7968-17a						Description: Cell 2				
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	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 2. 9CI-PF3ONS	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 3. 11CI-PF3OUdS	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 4. N-EtFOSAA	2.4	EIS-	µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 5. FtS 4:2	U	EIS+	µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 6. FtS 6:2	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 7. FtS 8:2	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 8. HFPO-DA	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 9. N-MeFOSAA	3.0		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 10. PFBA	U	EIS-	µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 11. PFBS	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 12. PFDA	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 13. PFDoA	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 14. PFDS	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 15. PFHpA	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 16. PFHpS	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 17. PFHxA	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 18. PFHxS-Total	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 19. PFNA	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 20. PFNS	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 21. PFOA	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 22. PFOSA	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 23. PFOS-Total	3.0		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 24. PFPeA	U	EIS-	µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 25. PFPeS	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 26. PFTeA	U	EIS+	µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 27. PFTrIA	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG
‡ 28. PFUnA	U		µg/kg	2.0	1.0	03/14/22	PS22C14I	03/15/22	SM22C14C	SKG

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:

- 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.

Analysis Locations:

All analyses performed in Holt.



Accreditation Number(s):

T104704518-19-8 (TX)

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