



Tuesday, September 28, 2021

Fibertec Project Number: A03382 Amended
Project Identification: 76597 /76597
Submittal Date: 08/13/2021

Ms. Deb Hoffner
Brighton Analytical, Inc.
2105 Pless Drive
Brighton, MI 48114

Dear Ms. Hoffner,

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 result is: 6%

This report has been amended to correct the percent solids result on sample -003 (CP03273) based on updated laboratory information. This report replaces the report issued on 8/27/21.

Please note that sample -001 (CO03271) and sample -002 (CP03272) were reanalyzed. The original data is accurate as previously reported on 8/27/21.

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 "Stacy Kotecki". The signature is written in a cursive, flowing style.

By Stacy Kotecki at 1:32 PM, Sep 28, 2021

For Daryl P. Strandbergh
Laboratory Director

Enclosures

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Client Identification:	Brighton Analytical, Inc.	Sample Description:	CP03271	Chain of Custody:	N/A
Client Project Name:	76597	Sample No:		Collect Date:	08/12/21
Client Project No:	76597	Sample Matrix:	Wastewater	Collect Time:	10:05

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: A03382-001		Matrix: Wastewater				
Method: ASTM D7979-17				Description: CP03271						
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. N-EtFOSAA	62		ng/L	20	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 2. FtS 4:2	U	EIS+	ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 3. FtS 6:2	U	EIS+	ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 4. FtS 8:2	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 5. N-MeFOSAA	160		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 6. PFBA	840		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 7. PFBS	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 8. PFDA	15		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 9. PFDoA	14		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 10. PFDS	12		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 11. PFHpA	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 12. PFHpS	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 13. PFHxA	30		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 14. PFHxS-Total	23		ng/L	20	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 15. PFNA	14		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 16. PFNS	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 17. PFOA	31		ng/L	20	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 18. PFOSA	14		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 19. PFOS-Total	170		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 20. PFPeA	75		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 21. PFPeS	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 22. PFTeA	U		ng/L	20	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 23. PFTriA	U		ng/L	20	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG
‡ 24. PFUnA	12		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG

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Client Identification: Brighton Analytical, Inc.	Sample Description: CP03272	Chain of Custody: N/A
Client Project Name: 76597	Sample No:	Collect Date: 08/12/21
Client Project No: 76597	Sample Matrix: Wastewater	Collect Time: 10:09

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: A03382-002		Matrix: Wastewater			
Method: ASTM D7979-17						Description: CP03272					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis			
						P. Date	P. Batch	A. Date	A. Batch	Init.	
‡ 1. N-EtFOSAA	40		ng/L	20	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 2. FtS 4:2	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 3. FtS 6:2	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 4. FtS 8:2	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 5. N-MeFOSAA	23		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 6. PFBA	16		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 7. PFBS	15		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 8. PFDA	31		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 9. PFDoA	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 10. PFDS	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 11. PFHpA	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 12. PFHpS	31		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 13. PFHxA	40		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 14. PFHxS-Total	U		ng/L	20	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 15. PFNA	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 16. PFNS	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 17. PFOA	51		ng/L	20	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 18. PFOSA	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 19. PFOS-Total	160		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 20. PFPeA	31		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 21. PFPeS	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 22. PFTeA	U		ng/L	20	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 23. PFTriA	U		ng/L	20	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	
‡ 24. PFUnA	U		ng/L	10	1.0	08/19/21	PS21H19G	08/19/21	SM21H18A	SKG	

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Client Identification: Brighton Analytical, Inc.	Sample Description: CP03273	Chain of Custody: N/A
Client Project Name: 76597	Sample No:	Collect Date: 08/12/21
Client Project No: 76597	Sample Matrix: Biosolids	Collect Time: 09:55

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: A03382-003		Matrix: Biosolids			
Method: ASTM D7968-17a						Description: CP03273					
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	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 2.9CI-PF3ONS	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 3.11CI-PF3OUdS	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 4.N-EtFOSAA	8.5		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 5.FtS 4:2	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 6.FtS 6:2	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 7.FtS 8:2	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 8.HFPO-DA	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 9.N-MeFOSAA	10		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 10.PFBA	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 11.PFBS	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 12.PFDA	6.1		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 13.PFDoA	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 14.PFDS	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 15.PFHpA	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 16.PFHpS	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 17.PFHxA	2.5		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 18.PFHxS-Total	2.5		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 19.PFNA	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 20.PFNS	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 21.PFOA	4.8		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 22.PFOSA	3.1		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 23.PFOS-Total	31		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 24.PFPeA	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 25.PFPeS	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 26.PFTeA	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 27.PFTriA	U		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	SKG	
‡ 28.PFUnA	2.1		µg/kg	2.0	1.0	09/03/21	PS21I03F	09/16/21	SM21I15B	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:

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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