



# Analytical Laboratory Report

Lab Sample ID: S33479.04

Sample Tag: Biosolids

Collected Date/Time: 03/02/2022 09:10

Matrix: Sludge

COC Reference: 140155

## Sample Containers

| # | Type                 | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|----------------------|-----------------|---------------|-------------------|---------------|
| 1 | 15ml Centrifuge Tube | None            | Yes           | 6.0               | IR            |
| 1 | 250ml Plastic        | None            | Yes           | 6.0               | IR            |

## Extraction / Prep.

| Parameter                                      | Result       | Method         | Run Date       | Analyst | Flags |
|--|--------------|----------------|----------------|---------|-------|
| Initial wt. (g) / Final wt. (g) / Volume (ml)* | 9.63/6.95/10 | ASTM D7968-17M | 03/04/22 15:30 | KCV     |       |

## Inorganics

Method: SM2540B, Run Date: 03/03/22 17:00, Analyst: MAM

| Parameter     | Result | RL | MDL | Units | Dilution | CAS# | Flags |
|---------------|--------|----|-----|-------|----------|------|-------|
| Total Solids* | 11     | 1  |     | %     | 1        |      |       |

## Organics

28 PFAs, Method: ASTM D7968-17M, Run Date: 03/07/22 17:25, Analyst: KCV

| Parameter  | Result       | RL   | MDL | Units | Dilution | CAS#         | Flags |
|------------|--------------|------|-----|-------|----------|--------------|-------|
| PFBA*      | Not detected | 2    |     | ug/kg | 33.9     | 375-22-4     | X     |
| PFPeA*     | 2.1          | 0.34 |     | ug/kg | 33.9     | 2706-90-3    |       |
| 4:2 FTSA*  | Not detected | 0.34 |     | ug/kg | 33.9     | 757124-72-4  | I     |
| PFHxA*     | 3.8          | 0.34 |     | ug/kg | 33.9     | 307-24-4     |       |
| PFBS*      | 1.4          | 0.34 |     | ug/kg | 33.9     | 375-73-5     |       |
| PFHpA*     | 0.77         | 0.34 |     | ug/kg | 33.9     | 375-85-9     |       |
| PFPeS*     | Not detected | 0.34 |     | ug/kg | 33.9     | 2706-91-4    |       |
| 6:2 FTSA*  | Not detected | 0.34 |     | ug/kg | 33.9     | 27619-97-2   | I     |
| PFOA*      | 11           | 0.34 |     | ug/kg | 33.9     | 335-67-1     |       |
| PFHxS*     | 0.63         | 0.34 |     | ug/kg | 33.9     | 355-46-4     |       |
| PFHxS-LN*  | 0.56         | 0.34 |     | ug/kg | 33.9     | 355-46-4-LN  |       |
| PFHxS-BR*  | Not detected | 0.34 |     | ug/kg | 33.9     | 355-46-4-BR  |       |
| PFNA*      | 2.7          | 0.34 |     | ug/kg | 33.9     | 375-95-1     |       |
| 8:2 FTSA*  | Not detected | 0.34 |     | ug/kg | 33.9     | 39108-34-4   | I     |
| PFHpS*     | Not detected | 0.34 |     | ug/kg | 33.9     | 375-92-8     |       |
| PFDA*      | 7.1          | 0.34 |     | ug/kg | 33.9     | 335-76-2     | I     |
| N-MeFOSAA* | 4.9          | 0.34 |     | ug/kg | 33.9     | 2355-31-9    |       |
| EtFOSAA*   | 0.96         | 0.34 |     | ug/kg | 33.9     | 2991-50-6    |       |
| PFOS*      | 17           | 0.34 |     | ug/kg | 33.9     | 1763-23-1    |       |
| PFOS-LN*   | 13           | 0.34 |     | ug/kg | 33.9     | 1763-23-1-LN |       |
| PFOS-BR*   | 4.1          | 0.34 |     | ug/kg | 33.9     | 1763-23-1-BR |       |
| PFUnDA*    | 0.49         | 0.34 |     | ug/kg | 33.9     | 2058-94-8    |       |
| PFNS*      | Not detected | 0.34 |     | ug/kg | 33.9     | 68259-12-1   |       |
| PFDoDA*    | 0.72         | 0.34 |     | ug/kg | 33.9     | 307-55-1     | I     |
| PFDS*      | Not detected | 0.34 |     | ug/kg | 33.9     | 335-77-3     |       |
| PFTTrDA*   | Not detected | 0.34 |     | ug/kg | 33.9     | 72629-94-8   | I     |
| FOSA*      | 1.6          | 0.34 |     | ug/kg | 33.9     | 754-91-6     |       |
| PFTeDA*    | Not detected | 0.34 |     | ug/kg | 33.9     | 376-06-7     | I1    |

X-Elevated reporting limit due to matrix interference

I-Matrix interference with internal standard

1-IS recovery <10%



## Analytical Laboratory Report

Lab Sample ID: S33479.04 (continued)

Sample Tag: Biosolids

28 PFAs, Method: ASTM D7968-17M, Run Date: 03/07/22 17:25, Analyst: KCV (continued)

| Parameter     | Result       | RL   | MDL | Units | Dilution | CAS#        | Flags |
|---------------|--------------|------|-----|-------|----------|-------------|-------|
| 11CI-PF3OUdS* | Not detected | 0.34 |     | ug/kg | 33.9     | 763051-92-9 |       |
| 9CI-PF3ONS*   | Not detected | 0.34 |     | ug/kg | 33.9     | 756426-58-1 |       |
| ADONA*        | Not detected | 0.34 |     | ug/kg | 33.9     | 919005-14-4 |       |
| HFPO-DA*      | Not detected | 0.34 |     | ug/kg | 33.9     | 13252-13-6  |       |