

Client Sample Results

Client: State of Alaska Dept of Transportation
Project/Site: PFAS

Job ID: 320-51317-1

Client Sample ID: [REDACTED] **TAP**

Lab Sample ID: 320-51317-17

Date Collected: 06/12/19 15:27

Matrix: Water

Date Received: 06/14/19 09:15

Method: 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | 3.7 | | 1.9 | 0.33 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluoropentanoic acid (PFPeA) | 7.9 | | 1.9 | 0.46 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluorohexanoic acid (PFHxA) | 26 | | 1.9 | 0.54 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluoroheptanoic acid (PFHpA) | 1.6 | J | 1.9 | 0.23 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluorooctanoic acid (PFOA) | 6.3 | | 1.9 | 0.80 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.9 | 0.25 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.9 | 0.29 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.9 | 1.0 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.9 | 0.51 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluorotridecanoic acid (PFTriA) | ND | | 1.9 | 1.2 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.9 | 0.27 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | 6.3 | | 1.9 | 0.19 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | 2.9 | | 1.9 | 0.28 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | 6.6 | B | 1.9 | 0.16 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | 1.9 | 0.18 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 1.9 | 0.51 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluorononanesulfonic acid (PFNS) | ND | | 1.9 | 0.15 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.9 | 0.30 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 1.9 | 0.33 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 19 | 2.9 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 19 | 1.8 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 4:2 FTS | ND | | 19 | 4.9 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 6:2 FTS | ND | | 19 | 1.9 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 8:2 FTS | ND | | 19 | 1.9 | ng/L | | 06/22/19 08:17 | 06/23/19 17:53 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C4 PFBA | 64 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 13C5-PFPeA DNU | 92 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 13C2 PFHxA | 90 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 13C4 PFHpA | 97 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 13C4 PFOA | 98 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 13C5 PFNA | 94 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 13C2 PFDA | 97 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 13C2 PFUnA | 97 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 13C2 PFDoA | 104 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 13C2 PFTeDA | 93 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 13C3 PFBS | 87 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 18O2 PFHxS | 88 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 13C4 PFOS | 87 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| 13C8 FOSA | 81 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| d3-NMeFOSAA | 104 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| d5-NEtFOSAA | 100 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| M2-6:2 FTS | 112 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| M2-8:2 FTS | 103 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |
| M2-4:2 FTS | 137 | | 25 - 150 | 06/22/19 08:17 | 06/23/19 17:53 | 1 |

Eurofins TestAmerica, Sacramento