

Portsmouth

BV Labs Job Number: B9U5050  
 Report Date: 2019/12/06

Sampler Initials: AP

**RESULTS OF ANALYSES OF WATER**

| BV Labs ID                          |       | LED645           | LED646           | LED647           | LED648           |     |      |          |
|-------------------------------------|-------|------------------|------------------|------------------|------------------|-----|------|----------|
| Sampling Date                       |       | 2019/10/25 09:48 | 2019/10/25 10:20 | 2019/10/25 10:45 | 2019/10/25 11:00 |     |      |          |
| COC Number                          |       | 742037-01-01     | 742037-01-01     | 742037-01-01     | 742037-01-01     |     |      |          |
|                                     | UNITS | BANFIELD         | DONDERO          | LIBRARY          | SPINNAKER        | RDL | MDL  | QC Batch |
| <b>Perfluorinated Compounds</b>     |       |                  |                  |                  |                  |     |      |          |
| Perfluorobutanoic acid              | ng/L  |                  |                  |                  |                  | 2.0 | 0.45 | 6475310  |
| Perfluoropentanoic Acid (PFPeA)     | ng/L  | 1.9 J            | 1.7 J            | 1.2 J            | 1.2 J            | 2.0 | 0.48 | 6475310  |
| Perfluorohexanoic Acid (PFHxA)      | ng/L  | 1.9 J            | 1.6 J            | 1.3 J            | 1.2 J            | 2.0 | 0.26 | 6475310  |
| Perfluoroheptanoic Acid (PFHpA)     | ng/L  | 1.3 J            | 1.2 J            | 1.0 J            | 1.0 J            | 2.0 | 0.37 | 6475310  |
| Perfluorooctanoic Acid (PFOA)       | ng/L  | 2.5              | 2.6              | 2.1              | 2.0 J            | 2.0 | 0.23 | 6475310  |
| Perfluorononanoic Acid (PFNA)       | ng/L  |                  |                  |                  |                  | 2.0 | 0.48 | 6475310  |
| Perfluorodecanoic Acid (PFDA)       | ng/L  |                  |                  |                  |                  | 2.0 | 0.18 | 6475310  |
| Perfluoroundecanoic Acid (PFUnA)    | ng/L  |                  |                  |                  |                  | 2.0 | 0.38 | 6475310  |
| Perfluorododecanoic Acid (PFDoA)    | ng/L  |                  |                  |                  |                  | 2.0 | 0.25 | 6475310  |
| Perfluorotridecanoic Acid           | ng/L  |                  |                  |                  |                  | 2.0 | 0.30 | 6475310  |
| Perfluorotetradecanoic Acid         | ng/L  |                  |                  |                  |                  | 2.0 | 0.16 | 6475310  |
| Perfluorobutanesulfonic acid        | ng/L  | 4.0              | 3.7              | 1.2 J            | 1.1 J            | 2.0 | 0.37 | 6475310  |
| Perfluoropentanesulfonic acid       | ng/L  |                  |                  |                  |                  | 2.0 | 0.28 | 6475310  |
| Perfluorohexanesulfonic acid        | ng/L  | 1.7 J            | 1.4 J            |                  | 0.40 J           | 2.0 | 0.33 | 6475310  |
| Perfluoroheptanesulfonic acid       | ng/L  |                  |                  |                  |                  | 2.0 | 0.63 | 6475310  |
| Perfluorooctanesulfonic acid        | ng/L  | 1.9 J            | 1.7 J            | 0.67 J           | 0.69 J           | 2.0 | 0.43 | 6475310  |
| Perfluorononanesulfonic acid        | ng/L  |                  |                  |                  |                  | 2.0 | 0.55 | 6475310  |
| Perfluorodecanesulfonic acid (PFDS) | ng/L  |                  |                  |                  |                  | 2.0 | 0.36 | 6475310  |
| Perfluorooctane Sulfonamide (PFOSA) | ng/L  |                  |                  |                  |                  | 4.0 | 0.31 | 6475310  |
| EtFOSAA                             | ng/L  |                  | 0.69 J           |                  |                  | 4.0 | 0.48 | 6475310  |
| MeFOSAA                             | ng/L  |                  |                  |                  |                  | 4.0 | 0.57 | 6475310  |
| 4:2 Fluorotelomer sulfonic acid     | ng/L  |                  |                  |                  |                  | 4.0 | 0.46 | 6475310  |
| 6:2 Fluorotelomer sulfonic acid     | ng/L  |                  |                  |                  |                  | 4.0 | 0.43 | 6475310  |
| 8:2 Fluorotelomer sulfonic acid     | ng/L  |                  |                  |                  |                  | 4.0 | 0.47 | 6475310  |
| Hexafluoropropyleneoxide Dimer Acid | ng/L  |                  |                  |                  |                  | 4.0 | 0.61 | 6475310  |
| 4,8-Dioxa-3H-Perfluorononanoic Acid | ng/L  |                  |                  |                  |                  | 4.0 | 0.94 | 6475310  |
| 9Cl-PF3ONS (F-53B Major)            | ng/L  |                  |                  |                  |                  | 4.0 | 0.49 | 6475310  |
| 11Cl-PF3OUdS (F-53B Minor)          | ng/L  |                  |                  |                  |                  | 4.0 | 0.80 | 6475310  |

U = Undetected at the limit of quantitation.

RDL = Reportable Detection Limit

Results above the RDL

J = Estimated concentration between the EDL & RDL.

QC Batch = Quality Control Batch

N/A = Not Applicable

(1) Extracted internal standard analyte recovery was below the defined lower control limit (LCL)

Laboratory spiked water resulted in satisfactory recovery of the extracted internal standard analyte

When considered together, these QC data suggest that matrix interferences may be increasing the variability of the associated native

**Results relate only to the items tested.**

analyte result (4:2 Fluorotelomersulfonic acid - 4:2-FTS).