

Client Sample Results

Client: Alabama Dept. Environmental Management
Project/Site: ADEM PFC Sampling

TestAmerica Job ID: 280-86732-2

Client Sample ID: CENTRE-RAW

Lab Sample ID: 280-86732-3

Date Collected: 08/09/16 13:00

Matrix: Water

Date Received: 08/10/16 07:45

Method: DV-LC-0012 - Perfluorinated Hydrocarbons

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|------------------|------------------|---------------|--------|------|---|-----------------|-----------------|----------------|
| Perfluorobutane Sulfonate (PFBS) | 0.080 | | 0.018 | 0.0076 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluorobutanoic acid (PFBA) | 0.014 | J | 0.018 | 0.0090 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluorodecane sulfonate (PFDS) | 0.0084 | U | 0.018 | 0.0084 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluorodecanoic acid (PFDA) | 0.0072 | U | 0.018 | 0.0072 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluorododecanoic acid (PFDoA) | 0.014 | U | 0.028 | 0.014 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluoroheptanoic acid (PFHpA) | 0.014 | J | 0.028 | 0.012 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluorohexane Sulfonate (PFHxS) | 0.0065 | J | 0.028 | 0.0064 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluorohexanoic acid (PFHxA) | 0.046 | | 0.018 | 0.0027 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluorononanoic acid (PFNA) | 0.016 | U | 0.037 | 0.016 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluorooctanoic acid (PFOA) | 0.027 | | 0.018 | 0.0090 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluorooctane Sulfonate (PFOS) | 0.033 | | 0.028 | 0.012 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluoropentanoic acid (PFPA) | 0.060 | | 0.028 | 0.010 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | 0.014 | U | 0.028 | 0.014 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluorotridecanoic Acid (PFTriA) | 0.016 | U | 0.037 | 0.016 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Perfluoroundecanoic acid (PFUnA) | 0.0063 | U | 0.018 | 0.0063 | ug/L | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C8 PFOA | 108 | | 60 - 155 | | | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |
| 13C8 PFOS | 118 | | 45 - 130 | | | | 08/23/16 18:37 | 08/26/16 18:19 | 1 |

Method: PFC -FOSA - FOSA in Water (LC/MS/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| Perfluorooctane Sulfonamide (FOSA) | 0.0053 | U | 0.046 | 0.0053 | ug/L | | 08/23/16 18:42 | 08/31/16 16:06 | 1 |

Client Sample ID: CENTRE-FINISHED

Lab Sample ID: 280-86732-4

Date Collected: 08/09/16 13:05

Matrix: Water

Date Received: 08/10/16 07:45

Method: DV-LC-0012 - Perfluorinated Hydrocarbons

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|------------------|------------------|---------------|--------|------|---|-----------------|-----------------|----------------|
| Perfluorobutane Sulfonate (PFBS) | 0.075 | | 0.018 | 0.0075 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluorobutanoic acid (PFBA) | 0.024 | | 0.018 | 0.0090 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluorodecane sulfonate (PFDS) | 0.0084 | U | 0.018 | 0.0084 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluorodecanoic acid (PFDA) | 0.0072 | U | 0.018 | 0.0072 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluorododecanoic acid (PFDoA) | 0.014 | U | 0.027 | 0.014 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluoroheptanoic acid (PFHpA) | 0.016 | J | 0.027 | 0.012 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluorohexane Sulfonate (PFHxS) | 0.0064 | U | 0.027 | 0.0064 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluorohexanoic acid (PFHxA) | 0.042 | | 0.018 | 0.0027 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluorononanoic acid (PFNA) | 0.016 | U | 0.037 | 0.016 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluorooctanoic acid (PFOA) | 0.030 | | 0.018 | 0.0090 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluorooctane Sulfonate (PFOS) | 0.046 | | 0.027 | 0.012 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluoropentanoic acid (PFPA) | 0.066 | | 0.027 | 0.010 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | 0.013 | U | 0.027 | 0.013 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluorotridecanoic Acid (PFTriA) | 0.016 | U | 0.037 | 0.016 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Perfluoroundecanoic acid (PFUnA) | 0.0063 | U | 0.018 | 0.0063 | ug/L | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C8 PFOA | 109 | | 60 - 155 | | | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |
| 13C8 PFOS | 130 | | 45 - 130 | | | | 08/23/16 18:37 | 08/26/16 18:31 | 1 |

TestAmerica Denver