

Client Sample Results

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

TestAmerica Job ID: 280-85665-1

Client Sample ID: CENTRE-RAW

Lab Sample ID: 280-85665-1

Date Collected: 07/13/16 12:10

Matrix: Water

Date Received: 07/16/16 09:25

Method: DV-LC-0012 - Perfluorinated Hydrocarbons

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|------------------|------------------|---------------|--------|------|---|-----------------|-----------------|----------------|
| Perfluorobutane Sulfonate (PFBS) | 0.065 | | 0.019 | 0.0076 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluorobutanoic acid (PFBA) | 0.012 | J | 0.019 | 0.0091 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluorodecane sulfonate (PFDS) | 0.0085 | U | 0.019 | 0.0085 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluorodecanoic acid (PFDA) | 0.0072 | U | 0.019 | 0.0072 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluorododecanoic acid (PFDoA) | 0.020 | J | 0.028 | 0.014 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluoroheptanoic acid (PFHpA) | 0.012 | U | 0.028 | 0.012 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluorohexane Sulfonate (PFHxS) | 0.0065 | U | 0.028 | 0.0065 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluorohexanoic acid (PFHxA) | 0.031 | | 0.019 | 0.0027 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluorononanoic acid (PFNA) | 0.016 | U | 0.037 | 0.016 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluorooctanoic acid (PFOA) | 0.020 | | 0.019 | 0.0091 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluorooctane Sulfonate (PFOS) | 0.028 | | 0.028 | 0.012 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluoropentanoic acid (PFPA) | 0.034 | | 0.028 | 0.010 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | 0.014 | U | 0.028 | 0.014 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluorotridecanoic Acid (PFTriA) | 0.016 | U | 0.037 | 0.016 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Perfluoroundecanoic acid (PFUnA) | 0.0064 | U | 0.019 | 0.0064 | ug/L | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C8 PFOA | 101 | | 60 - 155 | | | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |
| 13C8 PFOS | 109 | | 45 - 130 | | | | 07/20/16 12:30 | 07/21/16 23:35 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| Perfluorooctane Sulfonamide (FOSA) | 0.0055 | U | 0.048 | 0.0055 | ug/L | | 07/22/16 12:04 | 07/25/16 15:01 | 1 |

Client Sample ID: CENTRE-FINISHED

Lab Sample ID: 280-85665-2

Date Collected: 07/13/16 12:12

Matrix: Water

Date Received: 07/16/16 09:25

Method: DV-LC-0012 - Perfluorinated Hydrocarbons

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|------------------|------------------|---------------|--------|------|---|-----------------|-----------------|----------------|
| Perfluorobutane Sulfonate (PFBS) | 0.061 | | 0.019 | 0.0077 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluorobutanoic acid (PFBA) | 0.018 | J | 0.019 | 0.0091 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluorodecane sulfonate (PFDS) | 0.0085 | U | 0.019 | 0.0085 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluorodecanoic acid (PFDA) | 0.0073 | U | 0.019 | 0.0073 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluorododecanoic acid (PFDoA) | 0.014 | U | 0.028 | 0.014 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluoroheptanoic acid (PFHpA) | 0.014 | J | 0.028 | 0.012 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluorohexane Sulfonate (PFHxS) | 0.0065 | U | 0.028 | 0.0065 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluorohexanoic acid (PFHxA) | 0.048 | | 0.019 | 0.0027 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluorononanoic acid (PFNA) | 0.016 | U | 0.037 | 0.016 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluorooctanoic acid (PFOA) | 0.031 | | 0.019 | 0.0091 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluorooctane Sulfonate (PFOS) | 0.041 | | 0.028 | 0.012 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluoropentanoic acid (PFPA) | 0.067 | | 0.028 | 0.010 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | 0.014 | U | 0.028 | 0.014 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluorotridecanoic Acid (PFTriA) | 0.016 | U | 0.037 | 0.016 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Perfluoroundecanoic acid (PFUnA) | 0.0064 | U | 0.019 | 0.0064 | ug/L | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 13C8 PFOA | 104 | | 60 - 155 | | | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |
| 13C8 PFOS | 103 | | 45 - 130 | | | | 07/20/16 12:30 | 07/21/16 23:47 | 1 |

TestAmerica Denver