

ANALYTICAL REPORT

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Laboratory Job ID: 410-17071-1
Client Project/Site: PEER

For:
PEER
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10/23/2020 4:33:47 PM
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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

* QC recoveries that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result.

* Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.

* Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Marrison Williams
Project Manager
10/23/2020 4:33:47 PM



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Definitions/Glossary

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Qualifiers

LCMS

| Qualifier | Qualifier Description |
|-----------|--|
| * | LCS or LCSD is outside acceptance limits. |
| *5 | Isotope dilution analyte is outside acceptance limits. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| ▫ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| 1C | Result is from the primary column on a dual-column method. |
| 2C | Result is from the confirmation column on a dual-column method. |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Job ID: 410-17071-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative 410-17071-1

Receipt

The samples were received on 10/13/2020 5:03 PM; the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. No Project or Site was listed on the COC.

LCMS

Method PFC_IDA: The recovery for the labeled isotope(s) in the following samples: Anvil #1 (410-17071-2) and Anvil #2 (410-17071-3), is outside the QC acceptance limits. Since the recovery is high and the native analyte is not detected in the sample, the data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.



Detection Summary

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Client Sample ID: Field Blank #1

Lab Sample ID: 410-17071-1

No Detections.

Client Sample ID: Anvil #1

Lab Sample ID: 410-17071-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|------|-----|------|---------|---|---------|-----------|
| HFPODA | 260 | J | 1500 | 250 | ng/L | 1 | | 537 IDA | Total/NA |

Client Sample ID: Anvil #2

Lab Sample ID: 410-17071-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC



Client Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Client Sample ID: Field Blank #1

Lab Sample ID: 410-17071-1

Date Collected: 10/13/20 09:00

Matrix: Water

Date Received: 10/13/20 17:03

Method: 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Perfluorohexanoic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluoroheptanoic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorooctanoic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorononanoic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorodecanoic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorotridecanoic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| NETFOSAA | ND | | 2.7 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| NMeFOSAA | ND | | 1.8 | 0.55 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 10:2 FTS | ND | | 4.6 | 0.91 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluoropentanesulfonic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorononanesulfonic acid | ND * | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorododecanesulfonic acid (PFDoS) | ND | | 2.7 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorooctanesulfonamide | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorohexadecanoic acid | ND * | | 2.7 | 0.91 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorooctadecanoic acid | ND | | 2.7 | 0.91 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorobutanoic acid | ND | | 4.6 | 1.8 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluoropentanoic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| NMeFOSE | ND | | 2.7 | 0.91 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| NMeFOSA | ND | | 2.7 | 0.91 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| NEtFOSE | ND | | 2.7 | 0.91 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| NEtFOSA | ND | | 4.6 | 0.91 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| HFPODA | ND | | 2.7 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| DONA | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 9CI-PF3ONS | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 11CI-PF3OUdS | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluorododecanoic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| Perfluoroundecanoic acid | ND | | 1.8 | 0.46 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 4.6 | 1.8 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 2.7 | 0.91 | ng/L | | 10/15/20 17:09 | 10/20/20 14:30 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 104 | | 20 - 187 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| M2-8:2 FTS | 97 | | 34 - 182 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| M2-6:2 FTS | 118 | | 29 - 189 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C5 PFHxA | 96 | | 31 - 142 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C4 PFHpA | 99 | | 30 - 144 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C8 PFOA | 102 | | 49 - 127 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C9 PFNA | 95 | | 47 - 136 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C6 PFDA | 88 | | 47 - 128 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C7 PFUnA | 95 | | 40 - 135 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C2-PFDoDA | 94 | | 28 - 136 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C2 PFTeDA | 88 | | 10 - 144 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |

Client Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Client Sample ID: Field Blank #1

Lab Sample ID: 410-17071-1

Date Collected: 10/13/20 09:00

Matrix: Water

Date Received: 10/13/20 17:03

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C3 PFBS | 87 | | 19 - 178 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C3 PFHxS | 95 | | 32 - 145 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C8 PFOS | 88 | | 49 - 126 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| d3-NMeFOSAA | 103 | | 32 - 151 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| d5-NEtFOSAA | 112 | | 37 - 164 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C8 FOSA | 84 | | 10 - 143 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C4 PFBA | 94 | | 41 - 132 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C5 PFPeA | 97 | | 33 - 155 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| d7-N-MeFOSE-M | 65 | | 10 - 143 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| d3-NMePFOSA | 26 | | 10 - 107 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| d9-N-EtFOSE-M | 62 | | 10 - 142 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| d5-NEtPFOSA | 26 | | 10 - 108 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |
| 13C3 HFPO-DA | 98 | | 20 - 153 | 10/15/20 17:09 | 10/20/20 14:30 | 1 |

Client Sample ID: Anvil #1

Lab Sample ID: 410-17071-2

Date Collected: 10/13/20 09:00

Matrix: Water

Date Received: 10/13/20 17:03

Method: 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|------------|-----------|------|------|------|---|----------------|----------------|---------|
| Perfluorohexanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluoroheptanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorooctanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorononanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorodecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorotridecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorotetradecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| NEtFOSAA | ND | | 1500 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| NMeFOSAA | ND | | 1000 | 300 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 10:2 FTS | ND | | 2500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluoropentanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorononanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorododecanesulfonic acid (PFDoS) | ND | | 1500 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorooctanesulfonamide | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorohexadecanoic acid | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorooctadecanoic acid | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorobutanoic acid | ND | | 2500 | 1000 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluoropentanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| NMeFOSE | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| NMeFOSA | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| NEtFOSE | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| NEtFOSA | ND | | 2500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| HFPODA | 260 | J | 1500 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| DONA | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Client Sample ID: Anvil #1

Lab Sample ID: 410-17071-2

Date Collected: 10/13/20 09:00

Matrix: Water

Date Received: 10/13/20 17:03

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| 9CI-PF3ONS | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 11CI-PF3OUdS | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluorododecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| Perfluoroundecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 2500 | 1000 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:11 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 114 | | 20 - 187 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| M2-8:2 FTS | 287 | *5 | 34 - 182 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| M2-6:2 FTS | 168 | | 29 - 189 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C5 PFHxA | 93 | | 31 - 142 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C4 PFHpA | 103 | | 30 - 144 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C8 PFOA | 96 | | 49 - 127 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C9 PFNA | 136 | | 47 - 136 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C6 PFDA | 92 | | 47 - 128 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C7 PFUnA | 85 | | 40 - 135 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C2-PFDoDA | 37 | | 28 - 136 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C2 PFTeDA | 76 | | 10 - 144 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C3 PFBS | 94 | | 19 - 178 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C3 PFHxS | 80 | | 32 - 145 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C8 PFOS | 98 | | 49 - 126 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| d3-NMeFOSAA | 165 | *5 | 32 - 151 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| d5-NEtFOSAA | 206 | *5 | 37 - 164 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C8 FOSA | 63 | | 10 - 143 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C4 PFBA | 98 | | 41 - 132 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C5 PFPeA | 99 | | 33 - 155 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| d7-N-MeFOSE-M | 53 | | 10 - 143 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| d3-NMePFOSA | 59 | | 10 - 107 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| d9-N-EtFOSE-M | 174 | *5 | 10 - 142 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| d5-NEtPFOSA | 94 | | 10 - 108 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |
| 13C3 HFPO-DA | 54 | | 20 - 153 | 10/18/20 11:12 | 10/20/20 15:11 | 1 |

Client Sample ID: Anvil #2

Lab Sample ID: 410-17071-3

Date Collected: 10/13/20 09:00

Matrix: Water

Date Received: 10/13/20 17:03

Method: 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| Perfluorohexanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluoroheptanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorooctanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorononanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorodecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorotridecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorotetradecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| NETFOSAA | ND | | 1500 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Client Sample ID: Anvil #2

Lab Sample ID: 410-17071-3

Date Collected: 10/13/20 09:00

Matrix: Water

Date Received: 10/13/20 17:03

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|------|------|------|---|----------------|----------------|---------|
| NMeFOSAA | ND | | 1000 | 300 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 10:2 FTS | ND | | 2500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluoropentanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorononanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorododecanesulfonic acid (PFDoS) | ND | | 1500 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorooctanesulfonamide | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorohexadecanoic acid | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorooctadecanoic acid | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorobutanoic acid | ND | | 2500 | 1000 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluoropentanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| NMeFOSE | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| NMeFOSA | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| NEtFOSE | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| NEtFOSA | ND | | 2500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| HFPODA | ND | | 1500 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| DONA | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 9Cl-PF3ONS | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 11Cl-PF3OUdS | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluorododecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| Perfluoroundecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 2500 | 1000 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 15:20 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 136 | | 20 - 187 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| M2-8:2 FTS | 309 | *5 | 34 - 182 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| M2-6:2 FTS | 209 | *5 | 29 - 189 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C5 PFHxA | 96 | | 31 - 142 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C4 PFHpA | 106 | | 30 - 144 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C8 PFOA | 103 | | 49 - 127 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C9 PFNA | 144 | *5 | 47 - 136 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C6 PFDA | 99 | | 47 - 128 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C7 PFUnA | 93 | | 40 - 135 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C2-PFDoDA | 42 | | 28 - 136 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C2 PFTeDA | 85 | | 10 - 144 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C3 PFBS | 93 | | 19 - 178 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C3 PFHxS | 81 | | 32 - 145 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C8 PFOS | 103 | | 49 - 126 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| d3-NMeFOSAA | 181 | *5 | 32 - 151 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| d5-NEtFOSAA | 231 | *5 | 37 - 164 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C8 FOSA | 71 | | 10 - 143 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C4 PFBA | 100 | | 41 - 132 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| 13C5 PFPeA | 105 | | 33 - 155 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| d7-N-MeFOSE-M | 59 | | 10 - 143 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| d3-NMePFOSA | 69 | | 10 - 107 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| d9-N-EtFOSE-M | 179 | *5 | 10 - 142 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |

Client Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Client Sample ID: Anvil #2

Lab Sample ID: 410-17071-3

Date Collected: 10/13/20 09:00

Matrix: Water

Date Received: 10/13/20 17:03

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|-------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| <i>d5-NEtPFOSA</i> | 101 | | 10 - 108 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |
| <i>13C3 HFPO-DA</i> | 70 | | 20 - 153 | 10/18/20 11:12 | 10/20/20 15:20 | 1 |

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Isotope Dilution Summary

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Method: 537 IDA - EPA 537 Isotope Dilution

Matrix: Water

Prep Type: Total/NA

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|-------------------|------------------------|---|---------------------|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|
| Lab Sample ID | Client Sample ID | M242FTS (20-187) | M282FTS (34-182) | M262FTS (29-189) | 13C5PHA (31-142) | C4PFHA (30-144) | C8PFOA (49-127) | C9PFNA (47-136) | C6PFDA (47-128) |
| 410-17071-1 | Field Blank #1 | 104 | 97 | 118 | 96 | 99 | 102 | 95 | 88 |
| 410-17071-2 | Anvil #1 | 114 | 287 *5 | 168 | 93 | 103 | 96 | 136 | 92 |
| 410-17071-3 | Anvil #2 | 136 | 309 *5 | 209 *5 | 96 | 106 | 103 | 144 *5 | 99 |
| LCS 410-54916/2-A | Lab Control Sample | 97 | 113 | 105 | 94 | 95 | 96 | 96 | 94 |
| LCS 410-55638/2-B | Lab Control Sample | 99 | 98 | 99 | 87 | 99 | 93 | 104 | 89 |
| LCS 410-54916/3-A | Lab Control Sample Dup | 102 | 107 | 109 | 101 | 96 | 102 | 102 | 91 |
| LCS 410-55638/3-B | Lab Control Sample Dup | 117 | 124 | 113 | 104 | 102 | 104 | 112 | 111 |
| MB 410-54916/1-A | Method Blank | 90 | 105 | 102 | 93 | 88 | 94 | 89 | 90 |
| MB 410-55638/1-B | Method Blank | 108 | 117 | 101 | 103 | 98 | 96 | 105 | 104 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|-------------------|------------------------|---|--------------------|-------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| Lab Sample ID | Client Sample ID | 13C7PUA (40-135) | PFDODA (28-136) | PFTDA (10-144) | C3PFBS (19-178) | C3PFHS (32-145) | C8PFOS (49-126) | d3NMFOS (32-151) | d5NEFOS (37-164) |
| 410-17071-1 | Field Blank #1 | 95 | 94 | 88 | 87 | 95 | 88 | 103 | 112 |
| 410-17071-2 | Anvil #1 | 85 | 37 | 76 | 94 | 80 | 98 | 165 *5 | 206 *5 |
| 410-17071-3 | Anvil #2 | 93 | 42 | 85 | 93 | 81 | 103 | 181 *5 | 231 *5 |
| LCS 410-54916/2-A | Lab Control Sample | 100 | 95 | 91 | 87 | 90 | 91 | 104 | 111 |
| LCS 410-55638/2-B | Lab Control Sample | 87 | 84 | 88 | 92 | 94 | 103 | 89 | 86 |
| LCS 410-54916/3-A | Lab Control Sample Dup | 95 | 94 | 85 | 88 | 93 | 89 | 108 | 104 |
| LCS 410-55638/3-B | Lab Control Sample Dup | 109 | 113 | 110 | 107 | 99 | 109 | 116 | 98 |
| MB 410-54916/1-A | Method Blank | 91 | 89 | 82 | 82 | 85 | 84 | 103 | 106 |
| MB 410-55638/1-B | Method Blank | 100 | 100 | 98 | 92 | 93 | 99 | 101 | 91 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|-------------------|------------------------|---|------------------|-------------------|------------------|---------------------|------------------|---------------------|--------------------|
| Lab Sample ID | Client Sample ID | PFOSA (10-143) | PFBA (41-132) | PFPeA (33-155) | NMFM (10-143) | d3NMFSA (10-107) | NEFM (10-142) | d5NPFSA (10-108) | HFPODA (20-153) |
| 410-17071-1 | Field Blank #1 | 84 | 94 | 97 | 65 | 26 | 62 | 26 | 98 |
| 410-17071-2 | Anvil #1 | 63 | 98 | 99 | 53 | 59 | 174 *5 | 94 | 54 |
| 410-17071-3 | Anvil #2 | 71 | 100 | 105 | 59 | 69 | 179 *5 | 101 | 70 |
| LCS 410-54916/2-A | Lab Control Sample | 85 | 93 | 94 | 63 | 14 | 55 | 11 | 91 |
| LCS 410-55638/2-B | Lab Control Sample | 82 | 93 | 98 | 73 | 64 | 75 | 57 | 81 |
| LCS 410-54916/3-A | Lab Control Sample Dup | 86 | 95 | 99 | 66 | 27 | 64 | 22 | 101 |
| LCS 410-55638/3-B | Lab Control Sample Dup | 103 | 108 | 112 | 102 | 86 | 100 | 76 | 106 |
| MB 410-54916/1-A | Method Blank | 78 | 87 | 88 | 61 | 19 | 57 | 16 | 82 |
| MB 410-55638/1-B | Method Blank | 91 | 98 | 99 | 90 | 75 | 92 | 71 | 99 |

Surrogate Legend

- M242FTS = M2-4:2 FTS
- M282FTS = M2-8:2 FTS
- M262FTS = M2-6:2 FTS
- 13C5PHA = 13C5 PFHxA
- C4PFHA = 13C4 PFHpA
- C8PFOA = 13C8 PFOA
- C9PFNA = 13C9 PFNA
- C6PFDA = 13C6 PFDA
- 13C7PUA = 13C7 PFUnA
- PFDODA = 13C2-PFDODA
- PFTDA = 13C2 PFTeDA
- C3PFBS = 13C3 PFBS
- C3PFHS = 13C3 PFHxS
- C8PFOS = 13C8 PFOS

Isotope Dilution Summary

Client: PEER

Job ID: 410-17071-1

Project/Site: PEER

d3NMFOS = d3-NMeFOSAA

d5NEFOS = d5-NEtFOSAA

PFOSA = 13C8 FOSA

PFBA = 13C4 PFBA

PFPeA = 13C5 PFPeA

NMFM = d7-N-MeFOSE-M

d3NMFSA = d3-NMePFOSA

NEFM = d9-N-EtFOSE-M

d5NPFSA = d5-NEtPFOSA

HFPODA = 13C3 HFPO-DA

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QC Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Method: 537 IDA - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-54916/1-A

Matrix: Water

Analysis Batch: 56250

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54916

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Perfluorohexanoic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluoroheptanoic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorooctanoic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorononanoic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorodecanoic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorotridecanoic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorotetradecanoic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorobutanesulfonic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorohexanesulfonic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorooctanesulfonic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| NEtFOSAA | ND | | 3.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| NMeFOSAA | ND | | 2.0 | 0.60 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 10:2 FTS | ND | | 5.0 | 1.0 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluoropentanesulfonic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluoronanesulfonic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorodecanesulfonic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorododecanesulfonic acid (PFDoS) | ND | | 3.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorooctanesulfonamide | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorohexadecanoic acid | ND | | 3.0 | 1.0 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorooctadecanoic acid | ND | | 3.0 | 1.0 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorobutanoic acid | ND | | 5.0 | 2.0 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluoropentanoic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| NMeFOSE | ND | | 3.0 | 1.0 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| NMeFOSA | ND | | 3.0 | 1.0 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| NEtFOSE | ND | | 3.0 | 1.0 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| NEtFOSA | ND | | 5.0 | 1.0 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| HFPODA | ND | | 3.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| DONA | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 9Cl-PF3ONS | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 11Cl-PF3OUdS | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluorododecanoic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| Perfluoroundecanoic acid | ND | | 2.0 | 0.50 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 5.0 | 2.0 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 3.0 | 1.0 | ng/L | | 10/15/20 17:09 | 10/20/20 08:41 | 1 |

| Isotope Dilution | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| M2-4:2 FTS | 90 | | 20 - 187 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| M2-8:2 FTS | 105 | | 34 - 182 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| M2-6:2 FTS | 102 | | 29 - 189 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C5 PFHxA | 93 | | 31 - 142 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C4 PFHpA | 88 | | 30 - 144 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C8 PFOA | 94 | | 49 - 127 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C9 PFNA | 89 | | 47 - 136 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C6 PFDA | 90 | | 47 - 128 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C7 PFUnA | 91 | | 40 - 135 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C2-PFDoDA | 89 | | 28 - 136 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |

Eurofins Lancaster Laboratories Env, LLC

QC Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: MB 410-54916/1-A

Matrix: Water

Analysis Batch: 56250

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54916

| Isotope Dilution | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 13C2 PFTeDA | 82 | | 10 - 144 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C3 PFBS | 82 | | 19 - 178 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C3 PFHxS | 85 | | 32 - 145 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C8 PFOS | 84 | | 49 - 126 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| d3-NMeFOSAA | 103 | | 32 - 151 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| d5-NEtFOSAA | 106 | | 37 - 164 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C8 FOSA | 78 | | 10 - 143 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C4 PFBA | 87 | | 41 - 132 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C5 PFPeA | 88 | | 33 - 155 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| d7-N-MeFOSE-M | 61 | | 10 - 143 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| d3-NMePFOSA | 19 | | 10 - 107 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| d9-N-EtFOSE-M | 57 | | 10 - 142 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| d5-NEtPFOSA | 16 | | 10 - 108 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |
| 13C3 HFPO-DA | 82 | | 20 - 153 | 10/15/20 17:09 | 10/20/20 08:41 | 1 |

Lab Sample ID: LCS 410-54916/2-A

Matrix: Water

Analysis Batch: 56250

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54916

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|--|-------------|------------|---------------|------|---|------|----------|
| | | | | | | | Limits |
| Perfluorohexanoic acid | 25.6 | 31.4 | | ng/L | | 122 | 66 - 137 |
| Perfluoroheptanoic acid | 25.6 | 32.4 | | ng/L | | 126 | 66 - 141 |
| Perfluorooctanoic acid | 25.6 | 28.9 | | ng/L | | 113 | 65 - 136 |
| Perfluorononanoic acid | 25.6 | 30.1 | | ng/L | | 117 | 65 - 140 |
| Perfluorodecanoic acid | 25.6 | 30.1 | | ng/L | | 118 | 63 - 137 |
| Perfluorotridecanoic acid | 25.6 | 35.2 | | ng/L | | 138 | 58 - 146 |
| Perfluorotetradecanoic acid | 25.6 | 30.4 | | ng/L | | 119 | 64 - 141 |
| Perfluorobutanesulfonic acid | 22.6 | 25.3 | | ng/L | | 112 | 65 - 132 |
| Perfluorohexanesulfonic acid | 24.2 | 24.1 | | ng/L | | 99 | 60 - 128 |
| Perfluorooctanesulfonic acid | 24.5 | 22.3 | | ng/L | | 91 | 51 - 126 |
| NEtFOSAA | 25.6 | 28.7 | | ng/L | | 112 | 54 - 134 |
| NMeFOSAA | 25.6 | 32.4 | | ng/L | | 126 | 58 - 143 |
| 10:2 FTS | 24.7 | 25.2 | | ng/L | | 102 | 44 - 141 |
| Perfluoropentanesulfonic acid | 24.0 | 28.3 | | ng/L | | 118 | 71 - 136 |
| Perfluoroheptanesulfonic acid | 24.4 | 28.5 | | ng/L | | 117 | 67 - 135 |
| Perfluorononanesulfonic acid | 24.6 | 30.5 | | ng/L | | 124 | 67 - 137 |
| Perfluorodecanesulfonic acid | 24.7 | 30.0 | | ng/L | | 122 | 61 - 134 |
| Perfluorododecanesulfonic acid (PFDoS) | 24.8 | 27.2 | | ng/L | | 110 | 54 - 136 |
| Perfluorooctanesulfonamide | 25.6 | 29.0 | | ng/L | | 113 | 55 - 130 |
| Perfluorohexadecanoic acid | 25.6 | 35.0 | | ng/L | | 137 | 52 - 149 |
| Perfluorooctadecanoic acid | 25.6 | 29.2 | | ng/L | | 114 | 32 - 167 |
| Perfluorobutanoic acid | 25.6 | 32.6 | | ng/L | | 127 | 62 - 156 |
| Perfluoropentanoic acid | 25.6 | 31.4 | | ng/L | | 123 | 72 - 139 |
| NMeFOSE | 25.6 | 24.8 | | ng/L | | 97 | 52 - 131 |
| NMeFOSA | 25.6 | 30.6 | | ng/L | | 120 | 49 - 141 |
| NEtFOSE | 25.6 | 24.8 | | ng/L | | 97 | 49 - 128 |
| NEtFOSA | 25.6 | 26.8 | | ng/L | | 105 | 50 - 136 |
| HFPODA | 25.6 | 26.5 | | ng/L | | 104 | 37 - 147 |

QC Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-54916/2-A

Matrix: Water

Analysis Batch: 56250

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54916

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------|-------------|------------|---------------|------|---|------|--------------|
| DONA | 24.1 | 29.5 | | ng/L | | 122 | 49 - 158 |
| 9CI-PF3ONS | 23.9 | 25.2 | | ng/L | | 106 | 52 - 135 |
| 11CI-PF3OUdS | 24.1 | 26.3 | | ng/L | | 109 | 45 - 134 |
| Perfluorododecanoic acid | 25.6 | 31.2 | | ng/L | | 122 | 63 - 140 |
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 26.0 | | ng/L | | 109 | 59 - 130 |
| Perfluoroundecanoic acid | 25.6 | 29.8 | | ng/L | | 116 | 62 - 138 |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 27.3 | | ng/L | | 112 | 57 - 137 |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 25.8 | | ng/L | | 105 | 56 - 140 |

| Isotope Dilution | LCS LCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| M2-4:2 FTS | 97 | | 20 - 187 |
| M2-8:2 FTS | 113 | | 34 - 182 |
| M2-6:2 FTS | 105 | | 29 - 189 |
| 13C5 PFHxA | 94 | | 31 - 142 |
| 13C4 PFHpA | 95 | | 30 - 144 |
| 13C8 PFOA | 96 | | 49 - 127 |
| 13C9 PFNA | 96 | | 47 - 136 |
| 13C6 PFDA | 94 | | 47 - 128 |
| 13C7 PFUnA | 100 | | 40 - 135 |
| 13C2-PFDoDA | 95 | | 28 - 136 |
| 13C2 PFTeDA | 91 | | 10 - 144 |
| 13C3 PFBS | 87 | | 19 - 178 |
| 13C3 PFHxS | 90 | | 32 - 145 |
| 13C8 PFOS | 91 | | 49 - 126 |
| d3-NMeFOSAA | 104 | | 32 - 151 |
| d5-NEtFOSAA | 111 | | 37 - 164 |
| 13C8 FOSA | 85 | | 10 - 143 |
| 13C4 PFBA | 93 | | 41 - 132 |
| 13C5 PFPeA | 94 | | 33 - 155 |
| d7-N-MeFOSE-M | 63 | | 10 - 143 |
| d3-NMePFOSA | 14 | | 10 - 107 |
| d9-N-EtFOSE-M | 55 | | 10 - 142 |
| d5-NEtPFOSA | 11 | | 10 - 108 |
| 13C3 HFPO-DA | 91 | | 20 - 153 |

Lab Sample ID: LCSD 410-54916/3-A

Matrix: Water

Analysis Batch: 56250

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54916

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | |
|------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-------|
| | | | | | | | | RPD | Limit |
| Perfluorohexanoic acid | 25.6 | 31.0 | | ng/L | | 121 | 66 - 137 | 1 | 30 |
| Perfluoroheptanoic acid | 25.6 | 33.1 | | ng/L | | 129 | 66 - 141 | 2 | 30 |
| Perfluorooctanoic acid | 25.6 | 27.7 | | ng/L | | 108 | 65 - 136 | 4 | 30 |
| Perfluorononanoic acid | 25.6 | 30.9 | | ng/L | | 121 | 65 - 140 | 3 | 30 |
| Perfluorodecanoic acid | 25.6 | 30.4 | | ng/L | | 119 | 63 - 137 | 1 | 30 |
| Perfluorotridecanoic acid | 25.6 | 34.7 | | ng/L | | 136 | 58 - 146 | 1 | 30 |
| Perfluorotetradecanoic acid | 25.6 | 31.2 | | ng/L | | 122 | 64 - 141 | 3 | 30 |
| Perfluorobutanesulfonic acid | 22.6 | 26.6 | | ng/L | | 117 | 65 - 132 | 5 | 30 |
| Perfluorohexanesulfonic acid | 24.2 | 24.6 | | ng/L | | 102 | 60 - 128 | 2 | 30 |

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QC Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-54916/3-A

Matrix: Water

Analysis Batch: 56250

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54916

| Analyte | Spike Added | LCSD | LCSD | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--|-------------|--------|-----------|------|---|------|--------------|-----|-----------|
| | | Result | Qualifier | | | | | | |
| Perfluorooctanesulfonic acid | 24.5 | 24.1 | | ng/L | | 99 | 51 - 126 | 8 | 30 |
| NEtFOSAA | 25.6 | 30.8 | | ng/L | | 121 | 54 - 134 | 7 | 30 |
| NMeFOSAA | 25.6 | 30.1 | | ng/L | | 118 | 58 - 143 | 7 | 30 |
| 10:2 FTS | 24.7 | 24.2 | | ng/L | | 98 | 44 - 141 | 4 | 30 |
| Perfluoropentanesulfonic acid | 24.0 | 30.6 | | ng/L | | 128 | 71 - 136 | 8 | 30 |
| Perfluoroheptanesulfonic acid | 24.4 | 27.8 | | ng/L | | 114 | 67 - 135 | 2 | 30 |
| Perfluorononanesulfonic acid | 24.6 | 33.9 * | | ng/L | | 138 | 67 - 137 | 11 | 30 |
| Perfluorodecanesulfonic acid | 24.7 | 32.7 | | ng/L | | 133 | 61 - 134 | 9 | 30 |
| Perfluorododecanesulfonic acid (PFDoS) | 24.8 | 28.9 | | ng/L | | 117 | 54 - 136 | 6 | 30 |
| Perfluorooctanesulfonamide | 25.6 | 28.0 | | ng/L | | 109 | 55 - 130 | 3 | 30 |
| Perfluorohexadecanoic acid | 25.6 | 38.6 * | | ng/L | | 151 | 52 - 149 | 10 | 30 |
| Perfluorooctadecanoic acid | 25.6 | 35.1 | | ng/L | | 137 | 32 - 167 | 18 | 30 |
| Perfluorobutanoic acid | 25.6 | 32.2 | | ng/L | | 126 | 62 - 156 | 1 | 30 |
| Perfluoropentanoic acid | 25.6 | 31.6 | | ng/L | | 124 | 72 - 139 | 1 | 30 |
| NMeFOSE | 25.6 | 27.0 | | ng/L | | 106 | 52 - 131 | 8 | 30 |
| NMeFOSA | 25.6 | 26.3 | | ng/L | | 103 | 49 - 141 | 15 | 30 |
| NEtFOSE | 25.6 | 24.6 | | ng/L | | 96 | 49 - 128 | 1 | 30 |
| NEtFOSA | 25.6 | 27.3 | | ng/L | | 107 | 50 - 136 | 2 | 30 |
| HFPODA | 25.6 | 24.7 | | ng/L | | 96 | 37 - 147 | 7 | 30 |
| DONA | 24.1 | 31.3 | | ng/L | | 130 | 49 - 158 | 6 | 30 |
| 9Cl-PF3ONS | 23.9 | 27.6 | | ng/L | | 116 | 52 - 135 | 9 | 30 |
| 11Cl-PF3OUdS | 24.1 | 28.1 | | ng/L | | 117 | 45 - 134 | 7 | 30 |
| Perfluorododecanoic acid | 25.6 | 31.0 | | ng/L | | 121 | 63 - 140 | 1 | 30 |
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 25.8 | | ng/L | | 108 | 59 - 130 | 1 | 30 |
| Perfluoroundecanoic acid | 25.6 | 31.8 | | ng/L | | 124 | 62 - 138 | 7 | 30 |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 27.8 | | ng/L | | 115 | 57 - 137 | 2 | 30 |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 26.6 | | ng/L | | 108 | 56 - 140 | 3 | 30 |

| Isotope Dilution | LCSD | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| M2-4:2 FTS | 102 | | 20 - 187 |
| M2-8:2 FTS | 107 | | 34 - 182 |
| M2-6:2 FTS | 109 | | 29 - 189 |
| 13C5 PFHxA | 101 | | 31 - 142 |
| 13C4 PFHpA | 96 | | 30 - 144 |
| 13C8 PFOA | 102 | | 49 - 127 |
| 13C9 PFNA | 102 | | 47 - 136 |
| 13C6 PFDA | 91 | | 47 - 128 |
| 13C7 PFUnA | 95 | | 40 - 135 |
| 13C2-PFDoDA | 94 | | 28 - 136 |
| 13C2 PFTeDA | 85 | | 10 - 144 |
| 13C3 PFBS | 88 | | 19 - 178 |
| 13C3 PFHxS | 93 | | 32 - 145 |
| 13C8 PFOS | 89 | | 49 - 126 |
| d3-NMeFOSAA | 108 | | 32 - 151 |
| d5-NEtFOSAA | 104 | | 37 - 164 |
| 13C8 FOSA | 86 | | 10 - 143 |
| 13C4 PFBA | 95 | | 41 - 132 |
| 13C5 PFPeA | 99 | | 33 - 155 |

QC Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-54916/3-A
Matrix: Water
Analysis Batch: 56250

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54916

| Isotope Dilution | LCSD | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| d7-N-MeFOSE-M | 66 | | 10 - 143 |
| d3-NMePFOSA | 27 | | 10 - 107 |
| d9-N-EtFOSE-M | 64 | | 10 - 142 |
| d5-NEtPFOSA | 22 | | 10 - 108 |
| 13C3 HFPO-DA | 101 | | 20 - 153 |

Lab Sample ID: MB 410-55638/1-B
Matrix: Water
Analysis Batch: 56267

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55638

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|------|------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Perfluorohexanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluoroheptanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorooctanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorononanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorodecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorotridecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorotetradecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| NEtFOSAA | ND | | 1500 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| NMeFOSAA | ND | | 1000 | 300 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 10:2 FTS | ND | | 2500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluoropentanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorononanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorododecanesulfonic acid (PFDoS) | ND | | 1500 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorooctanesulfonamide | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorohexadecanoic acid | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorooctadecanoic acid | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorobutanoic acid | ND | | 2500 | 1000 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluoropentanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| NMeFOSE | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| NMeFOSA | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| NEtFOSE | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| NEtFOSA | ND | | 2500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| HFPODA | ND | | 1500 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| DONA | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 9Cl-PF3ONS | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 11Cl-PF3OUdS | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluorododecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| Perfluoroundecanoic acid | ND | | 1000 | 250 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 2500 | 1000 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 1500 | 500 | ng/L | | 10/18/20 11:12 | 10/20/20 14:41 | 1 |

QC Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

| Isotope Dilution | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| M2-4:2 FTS | 108 | | 20 - 187 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| M2-8:2 FTS | 117 | | 34 - 182 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| M2-6:2 FTS | 101 | | 29 - 189 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C5 PFHxA | 103 | | 31 - 142 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C4 PFHpA | 98 | | 30 - 144 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C8 PFOA | 96 | | 49 - 127 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C9 PFNA | 105 | | 47 - 136 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C6 PFDA | 104 | | 47 - 128 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C7 PFUnA | 100 | | 40 - 135 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C2-PFDoDA | 100 | | 28 - 136 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C2 PFTeDA | 98 | | 10 - 144 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C3 PFBS | 92 | | 19 - 178 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C3 PFHxS | 93 | | 32 - 145 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C8 PFOS | 99 | | 49 - 126 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| d3-NMeFOSAA | 101 | | 32 - 151 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| d5-NEtFOSAA | 91 | | 37 - 164 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C8 FOSA | 91 | | 10 - 143 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C4 PFBA | 98 | | 41 - 132 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C5 PFPeA | 99 | | 33 - 155 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| d7-N-MeFOSE-M | 90 | | 10 - 143 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| d3-NMePFOSA | 75 | | 10 - 107 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| d9-N-EtFOSE-M | 92 | | 10 - 142 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| d5-NEtPFOSA | 71 | | 10 - 108 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |
| 13C3 HFPO-DA | 99 | | 20 - 153 | 10/18/20 11:12 | 10/20/20 14:41 | 1 |

Lab Sample ID: LCS 410-55638/2-B

Matrix: Water

Analysis Batch: 56267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55638

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|--|-------------|------------|---------------|------|---|------|----------|
| | | | | | | | Limits |
| Perfluorohexanoic acid | 6400 | 7220 | | ng/L | | 113 | 66 - 137 |
| Perfluoroheptanoic acid | 6400 | 7010 | | ng/L | | 109 | 66 - 141 |
| Perfluorooctanoic acid | 6400 | 6990 | | ng/L | | 109 | 65 - 136 |
| Perfluorononanoic acid | 6400 | 6600 | | ng/L | | 103 | 65 - 140 |
| Perfluorodecanoic acid | 6400 | 7200 | | ng/L | | 112 | 63 - 137 |
| Perfluorotridecanoic acid | 6400 | 7400 | | ng/L | | 116 | 58 - 146 |
| Perfluorotetradecanoic acid | 6400 | 6940 | | ng/L | | 108 | 64 - 141 |
| Perfluorobutanesulfonic acid | 5660 | 5790 | | ng/L | | 102 | 65 - 132 |
| Perfluorohexanesulfonic acid | 6050 | 5740 | | ng/L | | 95 | 60 - 128 |
| Perfluorooctanesulfonic acid | 6120 | 5230 | | ng/L | | 85 | 51 - 126 |
| NEtFOSAA | 6400 | 6220 | | ng/L | | 97 | 54 - 134 |
| NMeFOSAA | 6400 | 7010 | | ng/L | | 109 | 58 - 143 |
| 10:2 FTS | 6170 | 5090 | | ng/L | | 83 | 44 - 141 |
| Perfluoropentanesulfonic acid | 6000 | 5940 | | ng/L | | 99 | 71 - 136 |
| Perfluoroheptanesulfonic acid | 6090 | 5950 | | ng/L | | 98 | 67 - 135 |
| Perfluorononanesulfonic acid | 6140 | 5860 | | ng/L | | 95 | 67 - 137 |
| Perfluorodecanesulfonic acid | 6160 | 5870 | | ng/L | | 95 | 61 - 134 |
| Perfluorododecanesulfonic acid (PFDoS) | 6200 | 5780 | | ng/L | | 93 | 54 - 136 |
| Perfluorooctanesulfonamide | 6400 | 6260 | | ng/L | | 98 | 55 - 130 |
| Perfluorohexadecanoic acid | 6400 | 7060 | | ng/L | | 110 | 52 - 149 |
| Perfluorooctadecanoic acid | 6400 | 6920 | | ng/L | | 108 | 32 - 167 |

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QC Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-55638/2-B

Matrix: Water

Analysis Batch: 56267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55638

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | |
|---------------------------------|-------------|------------|---------------|------|---|------|--------------|--|
| | | | | | | | | |
| Perfluorobutanoic acid | 6400 | 6570 | | ng/L | | 103 | 62 - 156 | |
| Perfluoropentanoic acid | 6400 | 6810 | | ng/L | | 106 | 72 - 139 | |
| NMeFOSE | 6400 | 6140 | | ng/L | | 96 | 52 - 131 | |
| NMeFOSA | 6400 | 6970 | | ng/L | | 109 | 49 - 141 | |
| NEtFOSE | 6400 | 6120 | | ng/L | | 96 | 49 - 128 | |
| NEtFOSA | 6400 | 5840 | | ng/L | | 91 | 50 - 136 | |
| HFPODA | 6400 | 7410 | | ng/L | | 116 | 37 - 147 | |
| DONA | 6030 | 5660 | | ng/L | | 94 | 49 - 158 | |
| 9Cl-PF3ONS | 5960 | 5750 | | ng/L | | 96 | 52 - 135 | |
| 11Cl-PF3OUdS | 6030 | 5740 | | ng/L | | 95 | 45 - 134 | |
| Perfluorododecanoic acid | 6400 | 6870 | | ng/L | | 107 | 63 - 140 | |
| 4:2 Fluorotelomer sulfonic acid | 5980 | 5160 | | ng/L | | 86 | 59 - 130 | |
| Perfluoroundecanoic acid | 6400 | 6890 | | ng/L | | 108 | 62 - 138 | |
| 6:2 Fluorotelomer sulfonic acid | 6070 | 6070 | | ng/L | | 100 | 57 - 137 | |
| 8:2 Fluorotelomer sulfonic acid | 6130 | 5720 | | ng/L | | 93 | 56 - 140 | |

| Isotope Dilution | LCS LCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| M2-4:2 FTS | 99 | | 20 - 187 |
| M2-8:2 FTS | 98 | | 34 - 182 |
| M2-6:2 FTS | 99 | | 29 - 189 |
| 13C5 PFHxA | 87 | | 31 - 142 |
| 13C4 PFHpA | 99 | | 30 - 144 |
| 13C8 PFOA | 93 | | 49 - 127 |
| 13C9 PFNA | 104 | | 47 - 136 |
| 13C6 PFDA | 89 | | 47 - 128 |
| 13C7 PFUnA | 87 | | 40 - 135 |
| 13C2-PFDoDA | 84 | | 28 - 136 |
| 13C2 PFTeDA | 88 | | 10 - 144 |
| 13C3 PFBS | 92 | | 19 - 178 |
| 13C3 PFHxS | 94 | | 32 - 145 |
| 13C8 PFOS | 103 | | 49 - 126 |
| d3-NMeFOSAA | 89 | | 32 - 151 |
| d5-NEtFOSAA | 86 | | 37 - 164 |
| 13C8 FOSA | 82 | | 10 - 143 |
| 13C4 PFBA | 93 | | 41 - 132 |
| 13C5 PFPeA | 98 | | 33 - 155 |
| d7-N-MeFOSE-M | 73 | | 10 - 143 |
| d3-NMePFOSA | 64 | | 10 - 107 |
| d9-N-EtFOSE-M | 75 | | 10 - 142 |
| d5-NEtPFOSA | 57 | | 10 - 108 |
| 13C3 HFPO-DA | 81 | | 20 - 153 |

Lab Sample ID: LCSD 410-55638/3-B

Matrix: Water

Analysis Batch: 56267

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55638

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | | RPD Limit | |
|-------------------------|-------------|-------------|----------------|------|---|------|--------------|---|-----------|-------|
| | | | | | | | | | RPD | Limit |
| Perfluorohexanoic acid | 6400 | 6660 | | ng/L | | 104 | 66 - 137 | 8 | 30 | |
| Perfluoroheptanoic acid | 6400 | 7100 | | ng/L | | 111 | 66 - 141 | 1 | 30 | |

Eurofins Lancaster Laboratories Env, LLC

QC Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-55638/3-B

Matrix: Water

Analysis Batch: 56267

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55638

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. | | RPD | RPD Limit |
|--|-------------|-------------|----------------|------|---|------|----------|-----|-----|-----------|
| | | | | | | | Limits | RPD | | |
| Perfluorooctanoic acid | 6400 | 6630 | | ng/L | | 104 | 65 - 136 | 5 | 30 | |
| Perfluorononanoic acid | 6400 | 6750 | | ng/L | | 105 | 65 - 140 | 2 | 30 | |
| Perfluorodecanoic acid | 6400 | 6790 | | ng/L | | 106 | 63 - 137 | 6 | 30 | |
| Perfluorotridecanoic acid | 6400 | 7130 | | ng/L | | 111 | 58 - 146 | 4 | 30 | |
| Perfluorotetradecanoic acid | 6400 | 7310 | | ng/L | | 114 | 64 - 141 | 5 | 30 | |
| Perfluorobutanesulfonic acid | 5660 | 5600 | | ng/L | | 99 | 65 - 132 | 3 | 30 | |
| Perfluorohexanesulfonic acid | 6050 | 5750 | | ng/L | | 95 | 60 - 128 | 0 | 30 | |
| Perfluorooctanesulfonic acid | 6120 | 5380 | | ng/L | | 88 | 51 - 126 | 3 | 30 | |
| NEtFOSAA | 6400 | 6800 | | ng/L | | 106 | 54 - 134 | 9 | 30 | |
| NMeFOSAA | 6400 | 6660 | | ng/L | | 104 | 58 - 143 | 5 | 30 | |
| 10:2 FTS | 6170 | 5690 | | ng/L | | 92 | 44 - 141 | 11 | 30 | |
| Perfluoropentanesulfonic acid | 6000 | 6180 | | ng/L | | 103 | 71 - 136 | 4 | 30 | |
| Perfluoroheptanesulfonic acid | 6090 | 6220 | | ng/L | | 102 | 67 - 135 | 4 | 30 | |
| Perfluorononanesulfonic acid | 6140 | 6180 | | ng/L | | 101 | 67 - 137 | 5 | 30 | |
| Perfluorodecanesulfonic acid | 6160 | 6170 | | ng/L | | 100 | 61 - 134 | 5 | 30 | |
| Perfluorododecanesulfonic acid (PFDoS) | 6200 | 6130 | | ng/L | | 99 | 54 - 136 | 6 | 30 | |
| Perfluorooctanesulfonamide | 6400 | 6230 | | ng/L | | 97 | 55 - 130 | 0 | 30 | |
| Perfluorohexadecanoic acid | 6400 | 7540 | | ng/L | | 118 | 52 - 149 | 7 | 30 | |
| Perfluorooctadecanoic acid | 6400 | 6610 | | ng/L | | 103 | 32 - 167 | 5 | 30 | |
| Perfluorobutanoic acid | 6400 | 6770 | | ng/L | | 106 | 62 - 156 | 3 | 30 | |
| Perfluoropentanoic acid | 6400 | 6710 | | ng/L | | 105 | 72 - 139 | 2 | 30 | |
| NMeFOSE | 6400 | 6070 | | ng/L | | 95 | 52 - 131 | 1 | 30 | |
| NMeFOSA | 6400 | 6710 | | ng/L | | 105 | 49 - 141 | 4 | 30 | |
| NEtFOSE | 6400 | 6030 | | ng/L | | 94 | 49 - 128 | 1 | 30 | |
| NEtFOSA | 6400 | 5900 | | ng/L | | 92 | 50 - 136 | 1 | 30 | |
| HFPODA | 6400 | 5820 | | ng/L | | 91 | 37 - 147 | 24 | 30 | |
| DONA | 6030 | 5850 | | ng/L | | 97 | 49 - 158 | 3 | 30 | |
| 9Cl-PF3ONS | 5960 | 5850 | | ng/L | | 98 | 52 - 135 | 2 | 30 | |
| 11Cl-PF3OUdS | 6030 | 5950 | | ng/L | | 99 | 45 - 134 | 4 | 30 | |
| Perfluorododecanoic acid | 6400 | 6950 | | ng/L | | 109 | 63 - 140 | 1 | 30 | |
| 4:2 Fluorotelomer sulfonic acid | 5980 | 5110 | | ng/L | | 86 | 59 - 130 | 1 | 30 | |
| Perfluoroundecanoic acid | 6400 | 6820 | | ng/L | | 107 | 62 - 138 | 1 | 30 | |
| 6:2 Fluorotelomer sulfonic acid | 6070 | 6060 | | ng/L | | 100 | 57 - 137 | 0 | 30 | |
| 8:2 Fluorotelomer sulfonic acid | 6130 | 5800 | | ng/L | | 95 | 56 - 140 | 1 | 30 | |

| Isotope Dilution | LCSD | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| M2-4:2 FTS | 117 | | 20 - 187 |
| M2-8:2 FTS | 124 | | 34 - 182 |
| M2-6:2 FTS | 113 | | 29 - 189 |
| 13C5 PFHxA | 104 | | 31 - 142 |
| 13C4 PFHpA | 102 | | 30 - 144 |
| 13C8 PFOA | 104 | | 49 - 127 |
| 13C9 PFNA | 112 | | 47 - 136 |
| 13C6 PFDA | 111 | | 47 - 128 |
| 13C7 PFUnA | 109 | | 40 - 135 |
| 13C2-PFDoDA | 113 | | 28 - 136 |
| 13C2 PFTeDA | 110 | | 10 - 144 |
| 13C3 PFBS | 107 | | 19 - 178 |

QC Sample Results

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-55638/3-B

Matrix: Water

Analysis Batch: 56267

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55638

| Isotope Dilution | LCSD | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C3 PFHxS | 99 | | 32 - 145 |
| 13C8 PFOS | 109 | | 49 - 126 |
| d3-NMeFOSAA | 116 | | 32 - 151 |
| d5-NEtFOSAA | 98 | | 37 - 164 |
| 13C8 FOSA | 103 | | 10 - 143 |
| 13C4 PFBA | 108 | | 41 - 132 |
| 13C5 PFPeA | 112 | | 33 - 155 |
| d7-N-MeFOSE-M | 102 | | 10 - 143 |
| d3-NMePFOSA | 86 | | 10 - 107 |
| d9-N-EtFOSE-M | 100 | | 10 - 142 |
| d5-NEtPFOSA | 76 | | 10 - 108 |
| 13C3 HFPO-DA | 106 | | 20 - 153 |

QC Association Summary

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

LCMS

Prep Batch: 54916

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|---------|------------|
| 410-17071-1 | Field Blank #1 | Total/NA | Water | 537 IDA | |
| MB 410-54916/1-A | Method Blank | Total/NA | Water | 537 IDA | |
| LCS 410-54916/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | |
| LCSD 410-54916/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | |

Prep Batch: 55638

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|---------------|------------|
| 410-17071-2 | Anvil #1 | Total/NA | Water | EPA 537 (Mod) | |
| 410-17071-3 | Anvil #2 | Total/NA | Water | EPA 537 (Mod) | |
| MB 410-55638/1-B | Method Blank | Total/NA | Water | EPA 537 (Mod) | |
| LCS 410-55638/2-B | Lab Control Sample | Total/NA | Water | EPA 537 (Mod) | |
| LCSD 410-55638/3-B | Lab Control Sample Dup | Total/NA | Water | EPA 537 (Mod) | |

Cleanup Batch: 55640

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-----------------|------------|
| 410-17071-2 | Anvil #1 | Total/NA | Water | Extract Aliquot | 55638 |
| 410-17071-3 | Anvil #2 | Total/NA | Water | Extract Aliquot | 55638 |
| MB 410-55638/1-B | Method Blank | Total/NA | Water | Extract Aliquot | 55638 |
| LCS 410-55638/2-B | Lab Control Sample | Total/NA | Water | Extract Aliquot | 55638 |
| LCSD 410-55638/3-B | Lab Control Sample Dup | Total/NA | Water | Extract Aliquot | 55638 |

Analysis Batch: 56250

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|---------|------------|
| 410-17071-1 | Field Blank #1 | Total/NA | Water | 537 IDA | 54916 |
| MB 410-54916/1-A | Method Blank | Total/NA | Water | 537 IDA | 54916 |
| LCS 410-54916/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | 54916 |
| LCSD 410-54916/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | 54916 |

Analysis Batch: 56267

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|---------|------------|
| 410-17071-2 | Anvil #1 | Total/NA | Water | 537 IDA | 55640 |
| 410-17071-3 | Anvil #2 | Total/NA | Water | 537 IDA | 55640 |
| MB 410-55638/1-B | Method Blank | Total/NA | Water | 537 IDA | 55640 |
| LCS 410-55638/2-B | Lab Control Sample | Total/NA | Water | 537 IDA | 55640 |
| LCSD 410-55638/3-B | Lab Control Sample Dup | Total/NA | Water | 537 IDA | 55640 |

Lab Chronicle

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Client Sample ID: Field Blank #1

Lab Sample ID: 410-17071-1

Date Collected: 10/13/20 09:00

Matrix: Water

Date Received: 10/13/20 17:03

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | 537 IDA | | | 54916 | 10/15/20 17:09 | QLP7 | ELLE |
| Total/NA | Analysis | 537 IDA | | 1 | 56250 | 10/20/20 14:30 | MT26 | ELLE |

Client Sample ID: Anvil #1

Lab Sample ID: 410-17071-2

Date Collected: 10/13/20 09:00

Matrix: Water

Date Received: 10/13/20 17:03

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | EPA 537 (Mod) | | | 55638 | 10/18/20 11:12 | Q5YX | ELLE |
| Total/NA | Cleanup | Extract Aliquot | | | 55640 | 10/18/20 11:18 | Q5YX | ELLE |
| Total/NA | Analysis | 537 IDA | | 1 | 56267 | 10/20/20 15:11 | OLN7 | ELLE |

Client Sample ID: Anvil #2

Lab Sample ID: 410-17071-3

Date Collected: 10/13/20 09:00

Matrix: Water

Date Received: 10/13/20 17:03

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|------|
| Total/NA | Prep | EPA 537 (Mod) | | | 55638 | 10/18/20 11:12 | Q5YX | ELLE |
| Total/NA | Cleanup | Extract Aliquot | | | 55640 | 10/18/20 11:18 | Q5YX | ELLE |
| Total/NA | Analysis | 537 IDA | | 1 | 56267 | 10/20/20 15:20 | OLN7 | ELLE |

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Maryland | State | 100 | 06-30-21 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|---------------|--------|--|
| 537 IDA | 537 IDA | Water | 10:2 FTS |
| 537 IDA | 537 IDA | Water | 11CI-PF3OUdS |
| 537 IDA | 537 IDA | Water | 4:2 Fluorotelomer sulfonic acid |
| 537 IDA | 537 IDA | Water | 6:2 Fluorotelomer sulfonic acid |
| 537 IDA | 537 IDA | Water | 8:2 Fluorotelomer sulfonic acid |
| 537 IDA | 537 IDA | Water | 9CI-PF3ONS |
| 537 IDA | 537 IDA | Water | DONA |
| 537 IDA | 537 IDA | Water | HFPODA |
| 537 IDA | 537 IDA | Water | NEtFOSA |
| 537 IDA | 537 IDA | Water | NEtFOSAA |
| 537 IDA | 537 IDA | Water | NEtFOSE |
| 537 IDA | 537 IDA | Water | NMeFOSA |
| 537 IDA | 537 IDA | Water | NMeFOSAA |
| 537 IDA | 537 IDA | Water | NMeFOSE |
| 537 IDA | 537 IDA | Water | Perfluorobutanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluorobutanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorodecanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluorodecanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorododecanesulfonic acid (PFDoS) |
| 537 IDA | 537 IDA | Water | Perfluorododecanoic acid |
| 537 IDA | 537 IDA | Water | Perfluoroheptanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluoroheptanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorohexadecanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorohexanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluorohexanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorononanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluorononanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorooctadecanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorooctanesulfonamide |
| 537 IDA | 537 IDA | Water | Perfluorooctanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluorooctanoic acid |
| 537 IDA | 537 IDA | Water | Perfluoropentanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluoropentanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorotetradecanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorotridecanoic acid |
| 537 IDA | 537 IDA | Water | Perfluoroundecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | 10:2 FTS |
| 537 IDA | EPA 537 (Mod) | Water | 11CI-PF3OUdS |
| 537 IDA | EPA 537 (Mod) | Water | 4:2 Fluorotelomer sulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | 6:2 Fluorotelomer sulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | 8:2 Fluorotelomer sulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | 9CI-PF3ONS |
| 537 IDA | EPA 537 (Mod) | Water | DONA |
| 537 IDA | EPA 537 (Mod) | Water | HFPODA |
| 537 IDA | EPA 537 (Mod) | Water | NEtFOSA |

Accreditation/Certification Summary

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------------|-----------------------|--|
| Maryland | State | 100 | 06-30-21 |
| 537 IDA | EPA 537 (Mod) | Water | NEtFOSAA |
| 537 IDA | EPA 537 (Mod) | Water | NEtFOSE |
| 537 IDA | EPA 537 (Mod) | Water | NMeFOSA |
| 537 IDA | EPA 537 (Mod) | Water | NMeFOSAA |
| 537 IDA | EPA 537 (Mod) | Water | NMeFOSE |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorobutanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorobutanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorodecanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorodecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorododecanesulfonic acid (PFDoS) |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorododecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluoroheptanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluoroheptanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorohexadecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorohexanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorohexanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorononanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorononanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorooctadecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorooctanesulfonamide |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorooctanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorooctanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluoropentanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluoropentanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorotetradecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorotridecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluoroundecanoic acid |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|---------------------------------|
| 537 IDA | 537 IDA | Water | 10:2 FTS |
| 537 IDA | 537 IDA | Water | 11Cl-PF3OUdS |
| 537 IDA | 537 IDA | Water | 4:2 Fluorotelomer sulfonic acid |
| 537 IDA | 537 IDA | Water | 6:2 Fluorotelomer sulfonic acid |
| 537 IDA | 537 IDA | Water | 8:2 Fluorotelomer sulfonic acid |
| 537 IDA | 537 IDA | Water | 9Cl-PF3ONS |
| 537 IDA | 537 IDA | Water | DONA |
| 537 IDA | 537 IDA | Water | HFPODA |
| 537 IDA | 537 IDA | Water | NEtFOSA |
| 537 IDA | 537 IDA | Water | NEtFOSAA |
| 537 IDA | 537 IDA | Water | NEtFOSE |
| 537 IDA | 537 IDA | Water | NMeFOSA |
| 537 IDA | 537 IDA | Water | NMeFOSAA |
| 537 IDA | 537 IDA | Water | NMeFOSE |
| 537 IDA | 537 IDA | Water | Perfluorobutanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluorobutanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorodecanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluorodecanoic acid |

Accreditation/Certification Summary

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------------|-----------------------|--|
| New York | NELAP | 10670 | 04-01-21 |
| 537 IDA | 537 IDA | Water | Perfluorododecanesulfonic acid (PFDoS) |
| 537 IDA | 537 IDA | Water | Perfluorododecanoic acid |
| 537 IDA | 537 IDA | Water | Perfluoroheptanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluoroheptanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorohexadecanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorohexanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluorohexanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorononanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluorononanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorooctadecanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorooctanesulfonamide |
| 537 IDA | 537 IDA | Water | Perfluorooctanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluorooctanoic acid |
| 537 IDA | 537 IDA | Water | Perfluoropentanesulfonic acid |
| 537 IDA | 537 IDA | Water | Perfluoropentanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorotetradecanoic acid |
| 537 IDA | 537 IDA | Water | Perfluorotridecanoic acid |
| 537 IDA | 537 IDA | Water | Perfluoroundecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | 10:2 FTS |
| 537 IDA | EPA 537 (Mod) | Water | 11Cl-PF3OUdS |
| 537 IDA | EPA 537 (Mod) | Water | 4:2 Fluorotelomer sulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | 6:2 Fluorotelomer sulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | 8:2 Fluorotelomer sulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | 9Cl-PF3ONS |
| 537 IDA | EPA 537 (Mod) | Water | DONA |
| 537 IDA | EPA 537 (Mod) | Water | HFPODA |
| 537 IDA | EPA 537 (Mod) | Water | NEtFOSA |
| 537 IDA | EPA 537 (Mod) | Water | NEtFOSAA |
| 537 IDA | EPA 537 (Mod) | Water | NEtFOSE |
| 537 IDA | EPA 537 (Mod) | Water | NMeFOSA |
| 537 IDA | EPA 537 (Mod) | Water | NMeFOSAA |
| 537 IDA | EPA 537 (Mod) | Water | NMeFOSE |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorobutanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorobutanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorodecanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorodecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorododecanesulfonic acid (PFDoS) |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorododecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluoroheptanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluoroheptanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorohexadecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorohexanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorohexanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorononanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorononanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorooctadecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorooctanesulfonamide |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorooctanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorooctanoic acid |

Accreditation/Certification Summary

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------------|-----------------------|-------------------------------|
| New York | NELAP | 10670 | 04-01-21 |
| 537 IDA | EPA 537 (Mod) | Water | Perfluoropentanesulfonic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluoropentanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorotetradecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluorotridecanoic acid |
| 537 IDA | EPA 537 (Mod) | Water | Perfluoroundecanoic acid |

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Method Summary

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

| Method | Method Description | Protocol | Laboratory |
|-----------------|------------------------------|----------|------------|
| 537 IDA | EPA 537 Isotope Dilution | EPA | ELLE |
| 537 IDA | EPA 537 Isotope Dilution | EPA | ELLE |
| EPA 537 (Mod) | EPA 537 Isotope Dilution | EPA | ELLE |
| Extract Aliquot | Preparation, Extract Aliquot | None | ELLE |

Protocol References:

EPA = US Environmental Protection Agency
None = None

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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Sample Summary

Client: PEER
Project/Site: PEER

Job ID: 410-17071-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 410-17071-1 | Field Blank #1 | Water | 10/13/20 09:00 | 10/13/20 17:03 | |
| 410-17071-2 | Anvil #1 | Water | 10/13/20 09:00 | 10/13/20 17:03 | |
| 410-17071-3 | Anvil #2 | Water | 10/13/20 09:00 | 10/13/20 17:03 | |

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- 10
- 11
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- 13
- 14
- 15

Login Sample Receipt Checklist

Client: PEER

Job Number: 410-17071-1

Login Number: 17071

List Source: Eurofins Lancaster Laboratories Env

List Number: 1

Creator: Sanchez, Melvin E

| Question | Answer | Comment |
|---|--------|-------------------------------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | N/A | |
| The cooler's custody seal is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen). | True | |
| Cooler Temperature is recorded. | True | |
| WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen). | N/A | |
| WV: Container Temperature is recorded. | N/A | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | False | Refer to Job Narrative for details. |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| There is sufficient vol. for all requested analyses. | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | N/A | |
| Is the Field Sampler's name present on COC? | N/A | |
| Sample Preservation Verified. | N/A | |
| Residual Chlorine Checked. | N/A | |
| Sample custody seals are intact. | N/A | |

