eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jonathan Dippert
CT Male Associates DPC
50 Century Hill Dr
Latham, New York 12110

Generated 7/26/2024 12:53:20 AM

## JOB DESCRIPTION

Hoosick Falls WTP

## JOB NUMBER

410-178872-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.



myEOL

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization

Generated
7/26/2024 12:53:20 AM

Authorized for release by
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## Compliance Statement

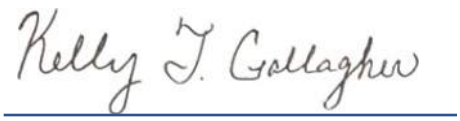
Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· 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 and/or isotope dilution analyte 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.



WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



# Table of Contents

# Definitions/Glossary

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

## Qualifiers

### LCMS

| Qualifier | Qualifier Description |
|---|---|
| cn | Refer to Case Narrative for further detail |
| U | Indicates the analyte was analyzed for but not detected. |

## 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 |
| 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 |

## Job ID: 410-178872-1 Eurofins Lancaster Laboratories Environment

**Job Narrative**
**410-178872-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

**Receipt**
The samples were received on 7/6/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C.

**PFAS**
Method 537.1_DW: The following sample was found to contain residual chlorine: GAC INFLUENT (410-178872-1).

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

# Detection Summary

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

## Client Sample ID: GAC INFLUENT — Lab Sample ID: 410-178872-1

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid | 4.2 | | 1.8 | | ng/L | 1 | | 537 (Mod) | Total/NA |
| Perfluorooctanesulfonamide | 5.2 | | 1.8 | | ng/L | 1 | | 537 (Mod) | Total/NA |
| Perfluoropentanoic acid | 2.9 | | 1.8 | | ng/L | 1 | | 537 (Mod) | Total/NA |
| Perfluoroheptanoic acid | 10 | cn | 1.9 | | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorohexanoic acid | 8.8 | cn | 1.9 | | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorooctanesulfonic acid | 3.5 | cn | 1.9 | | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorooctanoic acid - DL | 390 | cn | 19 | | ng/L | 10 | | EPA 537.1 | Total/NA |

## Client Sample ID: GAC MIDFLUENT — Lab Sample ID: 410-178872-2

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid | 5.5 | | 1.7 | | ng/L | 1 | | 537 (Mod) | Total/NA |

## Client Sample ID: GAC EFFLUENT — Lab Sample ID: 410-178872-3

No Detections.

## Client Sample ID: PV-1_25 — Lab Sample ID: 410-178872-4

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid | 3.1 | | 1.8 | | ng/L | 1 | | 537 (Mod) | Total/NA |

## Client Sample ID: PV-1_50 — Lab Sample ID: 410-178872-5

No Detections.

## Client Sample ID: PV-1_75 — Lab Sample ID: 410-178872-6

No Detections.

## Client Sample ID: SG1-FTB01-240702 — Lab Sample ID: 410-178872-7

No Detections.

## Client Sample ID: SG1-LTB01-240702 — Lab Sample ID: 410-178872-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

## Client Sample ID: GAC INFLUENT

**Date Collected: 07/02/24 09:40**
**Date Received: 07/06/24 09:30**

## Lab Sample ID: 410-178872-1

**Matrix: Water**

### Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 6:2 Fluorotelomer sulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:53 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:53 | 1 |
| **Perfluorobutanoic acid** | **4.2** | | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:53 | 1 |
| Perfluorodecanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:53 | 1 |
| Perfluoroheptanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:53 | 1 |
| **Perfluorooctanesulfonamide** | **5.2** | | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:53 | 1 |
| **Perfluoropentanoic acid** | **2.9** | | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:53 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *M2-6:2 FTS* | *74* | | *40 - 200* | *07/22/24 10:13* | *07/25/24 17:53* | *1* |
| *M2-8:2 FTS* | *76* | | *37 - 200* | *07/22/24 10:13* | *07/25/24 17:53* | *1* |
| *13C4 PFBA* | *71* | | *22 - 174* | *07/22/24 10:13* | *07/25/24 17:53* | *1* |
| *13C5 PFPeA* | *71* | | *33 - 196* | *07/22/24 10:13* | *07/25/24 17:53* | *1* |
| *13C8 PFOS* | *75* | | *59 - 155* | *07/22/24 10:13* | *07/25/24 17:53* | *1* |
| *13C8 FOSA* | *56* | | *10 - 155* | *07/22/24 10:13* | *07/25/24 17:53* | *1* |
| *13C3 PFHxS* | *79* | | *48 - 169* | *07/22/24 10:13* | *07/25/24 17:53* | *1* |

### Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| NEtFOSAA | 1.9 | U cn | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:30 | 1 |
| NMeFOSAA | 1.9 | U cn | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:30 | 1 |
| Perfluorobutanesulfonic acid | 1.9 | U cn | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:30 | 1 |
| Perfluorodecanoic acid | 1.9 | U cn | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:30 | 1 |
| Perfluorododecanoic acid | 1.9 | U cn | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:30 | 1 |
| **Perfluoroheptanoic acid** | **10** | **cn** | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:30 | 1 |
| Perfluorohexanesulfonic acid | 1.9 | U cn | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:30 | 1 |
| **Perfluorohexanoic acid** | **8.8** | **cn** | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:30 | 1 |
| Perfluorononanoic acid | 1.9 | U cn | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:30 | 1 |
| **Perfluorooctanesulfonic acid** | **3.5** | **cn** | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:30 | 1 |
| Perfluorotetradecanoic acid | 1.9 | U cn | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:30 | 1 |
| Perfluorotridecanoic acid | 1.9 | U cn | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:30 | 1 |
| Perfluoroundecanoic acid | 1.9 | U cn | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFDA* | *125* | *cn* | *70 - 130* | *07/11/24 14:43* | *07/15/24 17:30* | *1* |
| *13C2 PFHxA* | *118* | *cn* | *70 - 130* | *07/11/24 14:43* | *07/15/24 17:30* | *1* |
| *d5-NEtFOSAA* | *108* | *cn* | *70 - 130* | *07/11/24 14:43* | *07/15/24 17:30* | *1* |

### Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 - DL

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Perfluorooctanoic acid** | **390** | **cn** | 19 | | ng/L | | 07/11/24 14:43 | 07/15/24 23:42 | 10 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFDA* | *115* | *cn* | *70 - 130* | *07/11/24 14:43* | *07/15/24 23:42* | *10* |
| *13C2 PFHxA* | *118* | *cn* | *70 - 130* | *07/11/24 14:43* | *07/15/24 23:42* | *10* |
| *d5-NEtFOSAA* | *107* | *cn* | *70 - 130* | *07/11/24 14:43* | *07/15/24 23:42* | *10* |

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

## Client Sample ID: GAC MIDFLUENT

**Date Collected: 07/02/24 09:43**
**Date Received: 07/06/24 09:30**

## Lab Sample ID: 410-178872-2

**Matrix: Water**

### Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 6:2 Fluorotelomer sulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:07 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:07 | 1 |
| **Perfluorobutanoic acid** | **5.5** | | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:07 | 1 |
| Perfluorodecanesulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:07 | 1 |
| Perfluoroheptanesulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:07 | 1 |
| Perfluorooctanesulfonamide | 1.7 | U | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:07 | 1 |
| Perfluoropentanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:07 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *M2-6:2 FTS* | *92* | | *40 - 200* | *07/22/24 10:13* | *07/25/24 18:07* | *1* |
| *M2-8:2 FTS* | *87* | | *37 - 200* | *07/22/24 10:13* | *07/25/24 18:07* | *1* |
| *13C4 PFBA* | *73* | | *22 - 174* | *07/22/24 10:13* | *07/25/24 18:07* | *1* |
| *13C5 PFPeA* | *73* | | *33 - 196* | *07/22/24 10:13* | *07/25/24 18:07* | *1* |
| *13C8 PFOS* | *80* | | *59 - 155* | *07/22/24 10:13* | *07/25/24 18:07* | *1* |
| *13C8 FOSA* | *69* | | *10 - 155* | *07/22/24 10:13* | *07/25/24 18:07* | *1* |
| *13C3 PFHxS* | *82* | | *48 - 169* | *07/22/24 10:13* | *07/25/24 18:07* | *1* |

### Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| NEtFOSAA | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |
| NMeFOSAA | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |
| Perfluorobutanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |
| Perfluorodecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |
| Perfluorododecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |
| Perfluoroheptanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |
| Perfluorohexanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |
| Perfluorohexanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |
| Perfluorononanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |
| Perfluorooctanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |
| Perfluorooctanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |
| Perfluorotetradecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |
| Perfluorotridecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |
| Perfluoroundecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 17:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFDA* | *107* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 17:42* | *1* |
| *13C2 PFHxA* | *103* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 17:42* | *1* |
| *d5-NEtFOSAA* | *101* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 17:42* | *1* |

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

## Client Sample ID: GAC EFFLUENT

**Date Collected: 07/02/24 09:45**
**Date Received: 07/06/24 09:30**

## Lab Sample ID: 410-178872-3

**Matrix: Water**

### Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 6:2 Fluorotelomer sulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:20 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:20 | 1 |
| Perfluorobutanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:20 | 1 |
| Perfluorodecanesulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:20 | 1 |
| Perfluoroheptanesulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:20 | 1 |
| Perfluorooctanesulfonamide | 1.7 | U | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:20 | 1 |
| Perfluoropentanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:20 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *M2-6:2 FTS* | *85* | | *40 - 200* | *07/22/24 10:13* | *07/25/24 18:20* | *1* |
| *M2-8:2 FTS* | *86* | | *37 - 200* | *07/22/24 10:13* | *07/25/24 18:20* | *1* |
| *13C4 PFBA* | *69* | | *22 - 174* | *07/22/24 10:13* | *07/25/24 18:20* | *1* |
| *13C5 PFPeA* | *68* | | *33 - 196* | *07/22/24 10:13* | *07/25/24 18:20* | *1* |
| *13C8 PFOS* | *80* | | *59 - 155* | *07/22/24 10:13* | *07/25/24 18:20* | *1* |
| *13C8 FOSA* | *60* | | *10 - 155* | *07/22/24 10:13* | *07/25/24 18:20* | *1* |
| *13C3 PFHxS* | *79* | | *48 - 169* | *07/22/24 10:13* | *07/25/24 18:20* | *1* |

### Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| NEtFOSAA | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |
| NMeFOSAA | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |
| Perfluorobutanesulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |
| Perfluorodecanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |
| Perfluorododecanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |
| Perfluoroheptanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |
| Perfluorohexanesulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |
| Perfluorohexanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |
| Perfluorononanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |
| Perfluorooctanesulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |
| Perfluorooctanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |
| Perfluorotetradecanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |
| Perfluorotridecanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |
| Perfluoroundecanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFDA* | *108* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:05* | *1* |
| *13C2 PFHxA* | *103* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:05* | *1* |
| *d5-NEtFOSAA* | *104* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:05* | *1* |

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

**Client Sample ID: PV-1_25**
**Date Collected: 07/02/24 09:50**
**Date Received: 07/06/24 09:30**

**Lab Sample ID: 410-178872-4**
**Matrix: Water**

### Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 6:2 Fluorotelomer sulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:34 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:34 | 1 |
| **Perfluorobutanoic acid** | **3.1** | | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:34 | 1 |
| Perfluorodecanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:34 | 1 |
| Perfluoroheptanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:34 | 1 |
| Perfluorooctanesulfonamide | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:34 | 1 |
| Perfluoropentanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:34 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *M2-6:2 FTS* | *85* | | *40 - 200* | *07/22/24 10:13* | *07/25/24 18:34* | *1* |
| *M2-8:2 FTS* | *82* | | *37 - 200* | *07/22/24 10:13* | *07/25/24 18:34* | *1* |
| *13C4 PFBA* | *75* | | *22 - 174* | *07/22/24 10:13* | *07/25/24 18:34* | *1* |
| *13C5 PFPeA* | *74* | | *33 - 196* | *07/22/24 10:13* | *07/25/24 18:34* | *1* |
| *13C8 PFOS* | *84* | | *59 - 155* | *07/22/24 10:13* | *07/25/24 18:34* | *1* |
| *13C8 FOSA* | *66* | | *10 - 155* | *07/22/24 10:13* | *07/25/24 18:34* | *1* |
| *13C3 PFHxS* | *78* | | *48 - 169* | *07/22/24 10:13* | *07/25/24 18:34* | *1* |

### Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| NEtFOSAA | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |
| NMeFOSAA | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |
| Perfluorobutanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |
| Perfluorodecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |
| Perfluorododecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |
| Perfluoroheptanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |
| Perfluorohexanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |
| Perfluorohexanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |
| Perfluorononanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |
| Perfluorooctanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |
| Perfluorooctanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |
| Perfluorotetradecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |
| Perfluorotridecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |
| Perfluoroundecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFDA* | *101* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:16* | *1* |
| *13C2 PFHxA* | *101* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:16* | *1* |
| *d5-NEtFOSAA* | *114* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:16* | *1* |

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

**Client Sample ID: PV-1_50**
**Date Collected: 07/02/24 09:53**
**Date Received: 07/06/24 09:30**

**Lab Sample ID: 410-178872-5**
**Matrix: Water**

### Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 6:2 Fluorotelomer sulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:47 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:47 | 1 |
| Perfluorobutanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:47 | 1 |
| Perfluorodecanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:47 | 1 |
| Perfluoroheptanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:47 | 1 |
| Perfluorooctanesulfonamide | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:47 | 1 |
| Perfluoropentanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 18:47 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *M2-6:2 FTS* | *93* | | *40 - 200* | *07/22/24 10:13* | *07/25/24 18:47* | *1* |
| *M2-8:2 FTS* | *89* | | *37 - 200* | *07/22/24 10:13* | *07/25/24 18:47* | *1* |
| *13C4 PFBA* | *73* | | *22 - 174* | *07/22/24 10:13* | *07/25/24 18:47* | *1* |
| *13C5 PFPeA* | *70* | | *33 - 196* | *07/22/24 10:13* | *07/25/24 18:47* | *1* |
| *13C8 PFOS* | *83* | | *59 - 155* | *07/22/24 10:13* | *07/25/24 18:47* | *1* |
| *13C8 FOSA* | *63* | | *10 - 155* | *07/22/24 10:13* | *07/25/24 18:47* | *1* |
| *13C3 PFHxS* | *83* | | *48 - 169* | *07/22/24 10:13* | *07/25/24 18:47* | *1* |

### Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| NEtFOSAA | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |
| NMeFOSAA | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |
| Perfluorobutanesulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |
| Perfluorodecanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |
| Perfluorododecanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |
| Perfluoroheptanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |
| Perfluorohexanesulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |
| Perfluorohexanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |
| Perfluorononanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |
| Perfluorooctanesulfonic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |
| Perfluorooctanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |
| Perfluorotetradecanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |
| Perfluorotridecanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |
| Perfluoroundecanoic acid | 1.7 | U | 1.7 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFDA* | *113* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:28* | *1* |
| *13C2 PFHxA* | *106* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:28* | *1* |
| *d5-NEtFOSAA* | *101* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:28* | *1* |

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

**Client Sample ID: PV-1_75**
**Date Collected: 07/02/24 09:55**
**Date Received: 07/06/24 09:30**

**Lab Sample ID: 410-178872-6**
**Matrix: Water**

### Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 6:2 Fluorotelomer sulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:01 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:01 | 1 |
| Perfluorobutanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:01 | 1 |
| Perfluorodecanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:01 | 1 |
| Perfluoroheptanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:01 | 1 |
| Perfluorooctanesulfonamide | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:01 | 1 |
| Perfluoropentanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:01 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *M2-6:2 FTS* | *86* | | *40 - 200* | *07/22/24 10:13* | *07/25/24 19:01* | *1* |
| *M2-8:2 FTS* | *83* | | *37 - 200* | *07/22/24 10:13* | *07/25/24 19:01* | *1* |
| *13C4 PFBA* | *76* | | *22 - 174* | *07/22/24 10:13* | *07/25/24 19:01* | *1* |
| *13C5 PFPeA* | *75* | | *33 - 196* | *07/22/24 10:13* | *07/25/24 19:01* | *1* |
| *13C8 PFOS* | *80* | | *59 - 155* | *07/22/24 10:13* | *07/25/24 19:01* | *1* |
| *13C8 FOSA* | *68* | | *10 - 155* | *07/22/24 10:13* | *07/25/24 19:01* | *1* |
| *13C3 PFHxS* | *80* | | *48 - 169* | *07/22/24 10:13* | *07/25/24 19:01* | *1* |

### Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| NEtFOSAA | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |
| NMeFOSAA | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |
| Perfluorobutanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |
| Perfluorodecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |
| Perfluorododecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |
| Perfluoroheptanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |
| Perfluorohexanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |
| Perfluorohexanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |
| Perfluorononanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |
| Perfluorooctanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |
| Perfluorooctanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |
| Perfluorotetradecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |
| Perfluorotridecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |
| Perfluoroundecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:40 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFDA* | *102* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:40* | *1* |
| *13C2 PFHxA* | *101* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:40* | *1* |
| *d5-NEtFOSAA* | *105* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:40* | *1* |

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

**Client Sample ID: SG1-FTB01-240702**
**Date Collected: 07/02/24 10:00**
**Date Received: 07/06/24 09:30**

**Lab Sample ID: 410-178872-7**
**Matrix: Water**

### Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 6:2 Fluorotelomer sulfonic acid | 1.9 | U | 1.9 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:15 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 1.9 | U | 1.9 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:15 | 1 |
| Perfluorobutanoic acid | 1.9 | U | 1.9 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:15 | 1 |
| Perfluorodecanesulfonic acid | 1.9 | U | 1.9 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:15 | 1 |
| Perfluoroheptanesulfonic acid | 1.9 | U | 1.9 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:15 | 1 |
| Perfluorooctanesulfonamide | 1.9 | U | 1.9 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:15 | 1 |
| Perfluoropentanoic acid | 1.9 | U | 1.9 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:15 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *M2-6:2 FTS* | *92* | | *40 - 200* | *07/22/24 10:13* | *07/25/24 19:15* | *1* |
| *M2-8:2 FTS* | *95* | | *37 - 200* | *07/22/24 10:13* | *07/25/24 19:15* | *1* |
| *13C4 PFBA* | *89* | | *22 - 174* | *07/22/24 10:13* | *07/25/24 19:15* | *1* |
| *13C5 PFPeA* | *87* | | *33 - 196* | *07/22/24 10:13* | *07/25/24 19:15* | *1* |
| *13C8 PFOS* | *90* | | *59 - 155* | *07/22/24 10:13* | *07/25/24 19:15* | *1* |
| *13C8 FOSA* | *70* | | *10 - 155* | *07/22/24 10:13* | *07/25/24 19:15* | *1* |
| *13C3 PFHxS* | *89* | | *48 - 169* | *07/22/24 10:13* | *07/25/24 19:15* | *1* |

### Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| NEtFOSAA | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |
| NMeFOSAA | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |
| Perfluorobutanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |
| Perfluorodecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |
| Perfluorododecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |
| Perfluoroheptanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |
| Perfluorohexanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |
| Perfluorohexanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |
| Perfluorononanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |
| Perfluorooctanesulfonic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |
| Perfluorooctanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |
| Perfluorotetradecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |
| Perfluorotridecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |
| Perfluoroundecanoic acid | 1.8 | U | 1.8 | | ng/L | | 07/11/24 14:43 | 07/15/24 18:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFDA* | *112* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:51* | *1* |
| *13C2 PFHxA* | *107* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:51* | *1* |
| *d5-NEtFOSAA* | *114* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 18:51* | *1* |

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

**Client Sample ID: SG1-LTB01-240702**
**Date Collected: 07/02/24 00:00**
**Date Received: 07/06/24 09:30**

**Lab Sample ID: 410-178872-8**
**Matrix: Water**

### Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 6:2 Fluorotelomer sulfonic acid | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:28 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:28 | 1 |
| Perfluorobutanoic acid | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:28 | 1 |
| Perfluorodecanesulfonic acid | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:28 | 1 |
| Perfluoroheptanesulfonic acid | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:28 | 1 |
| Perfluorooctanesulfonamide | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:28 | 1 |
| Perfluoropentanoic acid | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 19:28 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *M2-6:2 FTS* | *84* | | *40 - 200* | *07/22/24 10:13* | *07/25/24 19:28* | *1* |
| *M2-8:2 FTS* | *89* | | *37 - 200* | *07/22/24 10:13* | *07/25/24 19:28* | *1* |
| *13C4 PFBA* | *78* | | *22 - 174* | *07/22/24 10:13* | *07/25/24 19:28* | *1* |
| *13C5 PFPeA* | *77* | | *33 - 196* | *07/22/24 10:13* | *07/25/24 19:28* | *1* |
| *13C8 PFOS* | *79* | | *59 - 155* | *07/22/24 10:13* | *07/25/24 19:28* | *1* |
| *13C8 FOSA* | *70* | | *10 - 155* | *07/22/24 10:13* | *07/25/24 19:28* | *1* |
| *13C3 PFHxS* | *77* | | *48 - 169* | *07/22/24 10:13* | *07/25/24 19:28* | *1* |

### Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| NEtFOSAA | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |
| NMeFOSAA | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |
| Perfluorobutanesulfonic acid | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |
| Perfluorodecanoic acid | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |
| Perfluorododecanoic acid | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |
| Perfluoroheptanoic acid | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |
| Perfluorohexanesulfonic acid | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |
| Perfluorohexanoic acid | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |
| Perfluorononanoic acid | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |
| Perfluorooctanesulfonic acid | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |
| Perfluorooctanoic acid | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |
| Perfluorotetradecanoic acid | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |
| Perfluorotridecanoic acid | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |
| Perfluoroundecanoic acid | 1.9 | U | 1.9 | | ng/L | | 07/11/24 14:43 | 07/15/24 19:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFDA* | *107* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 19:03* | *1* |
| *13C2 PFHxA* | *105* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 19:03* | *1* |
| *d5-NEtFOSAA* | *105* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 19:03* | *1* |

# Surrogate Summary

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

## Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | PFDA | PFHxA | d5NEFOS | | | | | | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | (70-130) | | | | | | |
| 410-178872-1 | GAC INFLUENT | 125 cn | 118 cn | 108 cn | | | | | | |
| 410-178872-1 - DL | GAC INFLUENT | 115 cn | 118 cn | 107 cn | | | | | | |
| 410-178872-2 | GAC MIDFLUENT | 107 | 103 | 101 | | | | | | |
| 410-178872-3 | GAC EFFLUENT | 108 | 103 | 104 | | | | | | |
| 410-178872-4 | PV-1_25 | 101 | 101 | 114 | | | | | | |
| 410-178872-5 | PV-1_50 | 113 | 106 | 101 | | | | | | |
| 410-178872-6 | PV-1_75 | 102 | 101 | 105 | | | | | | |
| 410-178872-7 | SG1-FTB01-240702 | 112 | 107 | 114 | | | | | | |
| 410-178872-8 | SG1-LTB01-240702 | 107 | 105 | 105 | | | | | | |
| LCS 410-527217/2-A | Lab Control Sample | 106 | 95 | 105 | | | | | | |
| MB 410-527217/1-A | Method Blank | 102 | 92 | 101 | | | | | | |

**Surrogate Legend**

PFDA = 13C2 PFDA
PFHxA = 13C2 PFHxA
d5NEFOS = d5-NEtFOSAA

# Isotope Dilution Summary

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

## Method: 537 (Mod) - EPA 537 Version 1.1 modified

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | M262FTS (40-200) | M282FTS (37-200) | PFBA (22-174) | PFPeA (33-196) | C8PFOS (59-155) | PFOSA (10-155) | C3PFHS (48-169) |
| 410-178872-1 | GAC INFLUENT | 74 | 76 | 71 | 71 | 75 | 56 | 79 |
| 410-178872-2 | GAC MIDFLUENT | 92 | 87 | 73 | 73 | 80 | 69 | 82 |
| 410-178872-3 | GAC EFFLUENT | 85 | 86 | 69 | 68 | 80 | 60 | 79 |
| 410-178872-4 | PV-1_25 | 85 | 82 | 75 | 74 | 84 | 66 | 78 |
| 410-178872-5 | PV-1_50 | 93 | 89 | 73 | 70 | 83 | 63 | 83 |
| 410-178872-6 | PV-1_75 | 86 | 83 | 76 | 75 | 80 | 68 | 80 |
| 410-178872-7 | SG1-FTB01-240702 | 92 | 95 | 89 | 87 | 90 | 70 | 89 |
| 410-178872-8 | SG1-LTB01-240702 | 84 | 89 | 78 | 77 | 79 | 70 | 77 |
| LCS 410-530850/2-A | Lab Control Sample | 91 | 88 | 78 | 82 | 86 | 73 | 82 |
| MB 410-530850/1-A | Method Blank | 127 | 124 | 107 | 112 | 114 | 97 | 121 |

**Surrogate Legend**

M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
C3PFHS = 13C3 PFHxS

## Method: 537 (Mod) - EPA 537 Version 1.1 modified

**Lab Sample ID: MB 410-530850/1-A**
**Matrix: Water**
**Analysis Batch: 532470**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 530850**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 6:2 Fluorotelomer sulfonic acid | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:12 | 1 |
| 8:2 Fluorotelomer sulfonic acid | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:12 | 1 |
| Perfluorobutanoic acid | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:12 | 1 |
| Perfluorodecanesulfonic acid | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:12 | 1 |
| Perfluoroheptanesulfonic acid | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:12 | 1 |
| Perfluorooctanesulfonamide | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:12 | 1 |
| Perfluoropentanoic acid | 2.0 | U | 2.0 | | ng/L | | 07/22/24 10:13 | 07/25/24 17:12 | 1 |

| *Isotope Dilution* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *M2-6:2 FTS* | *127* | | *40 - 200* | *07/22/24 10:13* | *07/25/24 17:12* | *1* |
| *M2-8:2 FTS* | *124* | | *37 - 200* | *07/22/24 10:13* | *07/25/24 17:12* | *1* |
| *13C4 PFBA* | *107* | | *22 - 174* | *07/22/24 10:13* | *07/25/24 17:12* | *1* |
| *13C5 PFPeA* | *112* | | *33 - 196* | *07/22/24 10:13* | *07/25/24 17:12* | *1* |
| *13C8 PFOS* | *114* | | *59 - 155* | *07/22/24 10:13* | *07/25/24 17:12* | *1* |
| *13C8 FOSA* | *97* | | *10 - 155* | *07/22/24 10:13* | *07/25/24 17:12* | *1* |
| *13C3 PFHxS* | *121* | | *48 - 169* | *07/22/24 10:13* | *07/25/24 17:12* | *1* |

**Lab Sample ID: LCS 410-530850/2-A**
**Matrix: Water**
**Analysis Batch: 532470**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 530850**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6:2 Fluorotelomer sulfonic acid | | | 24.3 | 24.6 | | ng/L | | 101 | 61 - 132 | | |
| 8:2 Fluorotelomer sulfonic acid | | | 24.5 | 21.5 | | ng/L | | 88 | 55 - 134 | | |
| Perfluorobutanoic acid | | | 25.6 | 25.0 | | ng/L | | 98 | 58 - 130 | | |
| Perfluorodecanesulfonic acid | | | 24.7 | 23.0 | | ng/L | | 93 | 55 - 130 | | |
| Perfluoroheptanesulfonic acid | | | 24.4 | 26.0 | | ng/L | | 107 | 59 - 130 | | |
| Perfluorooctanesulfonamide | | | 25.6 | 27.2 | | ng/L | | 106 | 67 - 132 | | |
| Perfluoropentanoic acid | | | 25.6 | 26.6 | | ng/L | | 104 | 60 - 130 | | |

| *Isotope Dilution* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *M2-6:2 FTS* | *91* | | *40 - 200* |
| *M2-8:2 FTS* | *88* | | *37 - 200* |
| *13C4 PFBA* | *78* | | *22 - 174* |
| *13C5 PFPeA* | *82* | | *33 - 196* |
| *13C8 PFOS* | *86* | | *59 - 155* |
| *13C8 FOSA* | *73* | | *10 - 155* |
| *13C3 PFHxS* | *82* | | *48 - 169* |

## Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

**Lab Sample ID: MB 410-527217/1-A**
**Matrix: Water**
**Analysis Batch: 528291**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 527217**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| NEtFOSAA | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |
| NMeFOSAA | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |
| Perfluorobutanesulfonic acid | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |

## Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

**Lab Sample ID: MB 410-527217/1-A**
**Matrix: Water**
**Analysis Batch: 528291**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 527217**

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorodecanoic acid | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |
| Perfluorododecanoic acid | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |
| Perfluoroheptanoic acid | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |
| Perfluorohexanesulfonic acid | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |
| Perfluorohexanoic acid | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |
| Perfluorononanoic acid | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |
| Perfluorooctanesulfonic acid | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |
| Perfluorooctanoic acid | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |
| Perfluorotetradecanoic acid | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |
| Perfluorotridecanoic acid | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |
| Perfluoroundecanoic acid | 2.0 | U | 2.0 | | ng/L | | 07/11/24 14:43 | 07/15/24 14:48 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFDA* | *102* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 14:48* | *1* |
| *13C2 PFHxA* | *92* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 14:48* | *1* |
| *d5-NEtFOSAA* | *101* | | *70 - 130* | *07/11/24 14:43* | *07/15/24 14:48* | *1* |

**Lab Sample ID: LCS 410-527217/2-A**
**Matrix: Water**
**Analysis Batch: 528291**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 527217**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NEtFOSAA | | | 20.5 | 21.4 | | ng/L | | 105 | 70 - 130 | | |
| NMeFOSAA | | | 20.5 | 21.1 | | ng/L | | 103 | 70 - 130 | | |
| Perfluorobutanesulfonic acid | | | 18.1 | 16.0 | | ng/L | | 88 | 70 - 130 | | |
| Perfluorodecanoic acid | | | 20.5 | 20.3 | | ng/L | | 99 | 70 - 130 | | |
| Perfluorododecanoic acid | | | 20.5 | 19.5 | | ng/L | | 95 | 70 - 130 | | |
| Perfluoroheptanoic acid | | | 20.5 | 21.0 | | ng/L | | 103 | 70 - 130 | | |
| Perfluorohexanesulfonic acid | | | 18.7 | 20.1 | | ng/L | | 108 | 70 - 130 | | |
| Perfluorohexanoic acid | | | 20.5 | 20.0 | | ng/L | | 98 | 70 - 130 | | |
| Perfluorononanoic acid | | | 20.5 | 21.7 | | ng/L | | 106 | 70 - 130 | | |
| Perfluorooctanesulfonic acid | | | 19.0 | 20.1 | | ng/L | | 106 | 70 - 130 | | |
| Perfluorooctanoic acid | | | 20.5 | 21.7 | | ng/L | | 106 | 70 - 130 | | |
| Perfluorotetradecanoic acid | | | 20.5 | 19.3 | | ng/L | | 94 | 70 - 130 | | |
| Perfluorotridecanoic acid | | | 20.5 | 19.6 | | ng/L | | 96 | 70 - 130 | | |
| Perfluoroundecanoic acid | | | 20.5 | 20.0 | | ng/L | | 97 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *13C2 PFDA* | *106* | | *70 - 130* |
| *13C2 PFHxA* | *95* | | *70 - 130* |
| *d5-NEtFOSAA* | *105* | | *70 - 130* |

## LCMS

### Prep Batch: 527217

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 410-178872-1 | GAC INFLUENT | Total/NA | Water | 537.1 DW Prep | |
| 410-178872-1 - DL | GAC INFLUENT | Total/NA | Water | 537.1 DW Prep | |
| 410-178872-2 | GAC MIDFLUENT | Total/NA | Water | 537.1 DW Prep | |
| 410-178872-3 | GAC EFFLUENT | Total/NA | Water | 537.1 DW Prep | |
| 410-178872-4 | PV-1_25 | Total/NA | Water | 537.1 DW Prep | |
| 410-178872-5 | PV-1_50 | Total/NA | Water | 537.1 DW Prep | |
| 410-178872-6 | PV-1_75 | Total/NA | Water | 537.1 DW Prep | |
| 410-178872-7 | SG1-FTB01-240702 | Total/NA | Water | 537.1 DW Prep | |
| 410-178872-8 | SG1-LTB01-240702 | Total/NA | Water | 537.1 DW Prep | |
| MB 410-527217/1-A | Method Blank | Total/NA | Water | 537.1 DW Prep | |
| LCS 410-527217/2-A | Lab Control Sample | Total/NA | Water | 537.1 DW Prep | |

### Analysis Batch: 528291

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 410-178872-1 | GAC INFLUENT | Total/NA | Water | EPA 537.1 | 527217 |
| 410-178872-2 | GAC MIDFLUENT | Total/NA | Water | EPA 537.1 | 527217 |
| 410-178872-3 | GAC EFFLUENT | Total/NA | Water | EPA 537.1 | 527217 |
| 410-178872-4 | PV-1_25 | Total/NA | Water | EPA 537.1 | 527217 |
| 410-178872-5 | PV-1_50 | Total/NA | Water | EPA 537.1 | 527217 |
| 410-178872-6 | PV-1_75 | Total/NA | Water | EPA 537.1 | 527217 |
| 410-178872-7 | SG1-FTB01-240702 | Total/NA | Water | EPA 537.1 | 527217 |
| 410-178872-8 | SG1-LTB01-240702 | Total/NA | Water | EPA 537.1 | 527217 |
| MB 410-527217/1-A | Method Blank | Total/NA | Water | EPA 537.1 | 527217 |
| LCS 410-527217/2-A | Lab Control Sample | Total/NA | Water | EPA 537.1 | 527217 |

### Analysis Batch: 528530

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 410-178872-1 - DL | GAC INFLUENT | Total/NA | Water | EPA 537.1 | 527217 |

### Prep Batch: 530850

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 410-178872-1 | GAC INFLUENT | Total/NA | Water | SPE | |
| 410-178872-2 | GAC MIDFLUENT | Total/NA | Water | SPE | |
| 410-178872-3 | GAC EFFLUENT | Total/NA | Water | SPE | |
| 410-178872-4 | PV-1_25 | Total/NA | Water | SPE | |
| 410-178872-5 | PV-1_50 | Total/NA | Water | SPE | |
| 410-178872-6 | PV-1_75 | Total/NA | Water | SPE | |
| 410-178872-7 | SG1-FTB01-240702 | Total/NA | Water | SPE | |
| 410-178872-8 | SG1-LTB01-240702 | Total/NA | Water | SPE | |
| MB 410-530850/1-A | Method Blank | Total/NA | Water | SPE | |
| LCS 410-530850/2-A | Lab Control Sample | Total/NA | Water | SPE | |

### Analysis Batch: 532470

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 410-178872-1 | GAC INFLUENT | Total/NA | Water | 537 (Mod) | 530850 |
| 410-178872-2 | GAC MIDFLUENT | Total/NA | Water | 537 (Mod) | 530850 |
| 410-178872-3 | GAC EFFLUENT | Total/NA | Water | 537 (Mod) | 530850 |
| 410-178872-4 | PV-1_25 | Total/NA | Water | 537 (Mod) | 530850 |
| 410-178872-5 | PV-1_50 | Total/NA | Water | 537 (Mod) | 530850 |
| 410-178872-6 | PV-1_75 | Total/NA | Water | 537 (Mod) | 530850 |
| 410-178872-7 | SG1-FTB01-240702 | Total/NA | Water | 537 (Mod) | 530850 |

## LCMS (Continued)

### Analysis Batch: 532470 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 410-178872-8 | SG1-LTB01-240702 | Total/NA | Water | 537 (Mod) | 530850 |
| MB 410-530850/1-A | Method Blank | Total/NA | Water | 537 (Mod) | 530850 |
| LCS 410-530850/2-A | Lab Control Sample | Total/NA | Water | 537 (Mod) | 530850 |

# Lab Chronicle

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

## Client Sample ID: GAC INFLUENT

**Lab Sample ID: 410-178872-1**

**Date Collected: 07/02/24 09:40**

**Matrix: Water**

**Date Received: 07/06/24 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | SPE | | | 530850 | D5VP | ELLE | 07/22/24 10:13 |
| Total/NA | Analysis | 537 (Mod) | | 1 | 532470 | DQV6 | ELLE | 07/25/24 17:53 |
| Total/NA | Prep | 537.1 DW Prep | | | 527217 | XBL5 | ELLE | 07/11/24 14:43 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 528291 | WR4P | ELLE | 07/15/24 17:30 |
| Total/NA | Prep | 537.1 DW Prep | DL | | 527217 | XBL5 | ELLE | 07/11/24 14:43 |
| Total/NA | Analysis | EPA 537.1 | DL | 10 | 528530 | WR4P | ELLE | 07/15/24 23:42 |

## Client Sample ID: GAC MIDFLUENT

**Lab Sample ID: 410-178872-2**

**Date Collected: 07/02/24 09:43**

**Matrix: Water**

**Date Received: 07/06/24 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | SPE | | | 530850 | D5VP | ELLE | 07/22/24 10:13 |
| Total/NA | Analysis | 537 (Mod) | | 1 | 532470 | DQV6 | ELLE | 07/25/24 18:07 |
| Total/NA | Prep | 537.1 DW Prep | | | 527217 | XBL5 | ELLE | 07/11/24 14:43 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 528291 | WR4P | ELLE | 07/15/24 17:42 |

## Client Sample ID: GAC EFFLUENT

**Lab Sample ID: 410-178872-3**

**Date Collected: 07/02/24 09:45**

**Matrix: Water**

**Date Received: 07/06/24 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | SPE | | | 530850 | D5VP | ELLE | 07/22/24 10:13 |
| Total/NA | Analysis | 537 (Mod) | | 1 | 532470 | DQV6 | ELLE | 07/25/24 18:20 |
| Total/NA | Prep | 537.1 DW Prep | | | 527217 | XBL5 | ELLE | 07/11/24 14:43 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 528291 | WR4P | ELLE | 07/15/24 18:05 |

## Client Sample ID: PV-1_25

**Lab Sample ID: 410-178872-4**

**Date Collected: 07/02/24 09:50**

**Matrix: Water**

**Date Received: 07/06/24 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | SPE | | | 530850 | D5VP | ELLE | 07/22/24 10:13 |
| Total/NA | Analysis | 537 (Mod) | | 1 | 532470 | DQV6 | ELLE | 07/25/24 18:34 |
| Total/NA | Prep | 537.1 DW Prep | | | 527217 | XBL5 | ELLE | 07/11/24 14:43 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 528291 | WR4P | ELLE | 07/15/24 18:16 |

## Client Sample ID: PV-1_50

**Lab Sample ID: 410-178872-5**

**Date Collected: 07/02/24 09:53**

**Matrix: Water**

**Date Received: 07/06/24 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | SPE | | | 530850 | D5VP | ELLE | 07/22/24 10:13 |
| Total/NA | Analysis | 537 (Mod) | | 1 | 532470 | DQV6 | ELLE | 07/25/24 18:47 |
| Total/NA | Prep | 537.1 DW Prep | | | 527217 | XBL5 | ELLE | 07/11/24 14:43 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 528291 | WR4P | ELLE | 07/15/24 18:28 |

# Lab Chronicle

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

## Client Sample ID: PV-1_75

**Lab Sample ID: 410-178872-6**

**Date Collected: 07/02/24 09:55**

**Matrix: Water**

**Date Received: 07/06/24 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | SPE | | | 530850 | D5VP | ELLE | 07/22/24 10:13 |
| Total/NA | Analysis | 537 (Mod) | | 1 | 532470 | DQV6 | ELLE | 07/25/24 19:01 |
| Total/NA | Prep | 537.1 DW Prep | | | 527217 | XBL5 | ELLE | 07/11/24 14:43 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 528291 | WR4P | ELLE | 07/15/24 18:40 |

## Client Sample ID: SG1-FTB01-240702

**Lab Sample ID: 410-178872-7**

**Date Collected: 07/02/24 10:00**

**Matrix: Water**

**Date Received: 07/06/24 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | SPE | | | 530850 | D5VP | ELLE | 07/22/24 10:13 |
| Total/NA | Analysis | 537 (Mod) | | 1 | 532470 | DQV6 | ELLE | 07/25/24 19:15 |
| Total/NA | Prep | 537.1 DW Prep | | | 527217 | XBL5 | ELLE | 07/11/24 14:43 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 528291 | WR4P | ELLE | 07/15/24 18:51 |

## Client Sample ID: SG1-LTB01-240702

**Lab Sample ID: 410-178872-8**

**Date Collected: 07/02/24 00:00**

**Matrix: Water**

**Date Received: 07/06/24 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | SPE | | | 530850 | D5VP | ELLE | 07/22/24 10:13 |
| Total/NA | Analysis | 537 (Mod) | | 1 | 532470 | DQV6 | ELLE | 07/25/24 19:28 |
| Total/NA | Prep | 537.1 DW Prep | | | 527217 | XBL5 | ELLE | 07/11/24 14:43 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 528291 | WR4P | ELLE | 07/15/24 19:03 |

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

## Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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 | 04-01-25 |

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 (Mod) | SPE | Water | 6:2 Fluorotelomer sulfonic acid |
| 537 (Mod) | SPE | Water | 8:2 Fluorotelomer sulfonic acid |
| 537 (Mod) | SPE | Water | Perfluorobutanoic acid |
| 537 (Mod) | SPE | Water | Perfluorodecanesulfonic acid |
| 537 (Mod) | SPE | Water | Perfluoroheptanesulfonic acid |
| 537 (Mod) | SPE | Water | Perfluorooctanesulfonamide |
| 537 (Mod) | SPE | Water | Perfluoropentanoic acid |

# Method Summary

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 537 (Mod) | EPA 537 Version 1.1 modified | EPA | ELLE |
| EPA 537.1 | EPA 537.1, Ver 1.0 Nov 2018 | EPA | ELLE |
| 537.1 DW Prep | Extraction of Perfluorinated Alkyl Acids | EPA | ELLE |
| SPE | PFAS by SPE | Lab SOP | ELLE |

**Protocol References:**

EPA = US Environmental Protection Agency

Lab SOP = Laboratory Standard Operating Procedure

**Laboratory References:**

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

# Sample Summary

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-178872-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 410-178872-1 | GAC INFLUENT | Water | 07/02/24 09:40 | 07/06/24 09:30 |
| 410-178872-2 | GAC MIDFLUENT | Water | 07/02/24 09:43 | 07/06/24 09:30 |
| 410-178872-3 | GAC EFFLUENT | Water | 07/02/24 09:45 | 07/06/24 09:30 |
| 410-178872-4 | PV-1_25 | Water | 07/02/24 09:50 | 07/06/24 09:30 |
| 410-178872-5 | PV-1_50 | Water | 07/02/24 09:53 | 07/06/24 09:30 |
| 410-178872-6 | PV-1_75 | Water | 07/02/24 09:55 | 07/06/24 09:30 |
| 410-178872-7 | SG1-FTB01-240702 | Water | 07/02/24 10:00 | 07/06/24 09:30 |
| 410-178872-8 | SG1-LTB01-240702 | Water | 07/02/24 00:00 | 07/06/24 09:30 |

410-178872 Chain of Custody

# Chain of Custody Record

eurofins | Environment Testing America

| | | | | |
|---|---|---|---|---|
| | Sampler: C. Ormsby | Lab PM: Kelly Gallagher | Carrier Tracking No(s): | COC No: |
| Client Contact: Jonathan Dippert | Phone: 518-786-7400 | E-Mail: Kelly.Gallagher@et.eurofinsus.com | State of Origin: NY | Page: 1 of 1 |
| Company: C.T. Male Associates | PWSID: | Analysis Requested | | Job #: |
| Address: 50 Century Hill Dr | Due Date Requested: | | | Preservation Codes: |
| City: Latham | TAT Requested (days): Standard | | | A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify) |
| State, Zip: NY, 12110 | Compliance Project: Δ Yes Δ No | | | |
| Phone: 518-786-7400 | PO #: 14.4756 | | | Other: Y- Trizma |
| Email: J.Dippert@ctmale.com, N.Garry@ctmale.com | WO #: | | | |
| Project Name: Hoosick Falls WTP | Project #: 41000511 | | | |
| Site: 14.4756 | SSOW#: | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | PFC_IDA - (MOD) 7 PFAS Compounds | 537_DW - 14 PFAS Drinking Water List | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | N | Y | | |
| GAC INFLUENT | 7/2/24 | 0940 | G | W | N | N | X | X | 4 | |
| GAC MIDFLUENT | 7/2/24 | 0943 | G | W | N | N | X | X | 4 | |
| GAC EFFULENT | 7/2/24 | 0945 | G | W | N | N | X | X | 4 | |
| PV-1_25 | 7/2/24 | 0950 | G | W | N | N | X | X | 4 | |
| PV-1_50 | 7/2/24 | 0953 | G | W | N | N | X | X | 4 | |
| PV-1_75 | 7/2/24 | 0955 | G | W | N | N | X | X | 4 | |
| SG1-FTB01-240702 | 7/2/24 | 1000 | G | W | N | N | X | X | 4 | |
| SG1-LTB01-240702 | 7/2/24 | - | G | W | N | N | X | X | 4 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

*Possible Hazard Identification*
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) EQuIS 1-File; ASP-B

Special Instructions/QC Requirements:

| | | | |
|---|---|---|---|
| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
| Relinquished by: | Date/Time: 7/5/24 1245 | Company CTM | Received by: / Date/Time: / Company |
| Relinquished by: | Date/Time: | Company | Received by: / Date/Time: / Company |
| Relinquished by: | Date/Time: | Company | Received by: / Date/Time: 7/8/24 09:30 / Company ALGT |
| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | | Cooler Temperature(s) °C and Other Remarks: 1: 2.4 C: 2.1 |

Ver: 01/16/2019



7/26/2024

# Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-178872-1

**Login Number: 178872**

**List Source: Eurofins Lancaster Laboratories Environment Testing, LLC**

**List Number: 1**

**Creator: Santiago, Nathaniel**

| Question | Answer | Comment |
|---|---|---|
| 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 acceptable,where thermal pres is required(</=6C, not frozen). | True | |
| Cooler Temperature is recorded. | True | |
| WV:Container Temp acceptable,where thermal pres is required (</=6C, 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. | True | |
| There are no discrepancies between the containers received and the COC. | 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 | |
| Is the Field Sampler's name present on COC? | True | |
| Sample custody seals are intact. | True | |
| VOA sample vials do not have headspace >6mm in diameter (none, if from WV)? | N/A | |

**Sample Preservation Checks (performed by the laboratory)**

| Question | Answer | Comment |
|---|---|---|
| Did the sample containers checked meet expected preservation conditions? | False | Refer to Job Narrative for details. |