



September 10, 2024

Amy Ewing
Hazen and Sawyer
100 Sun Avenue NE, Suite 206
Albuquerque, New Mexico 87109

Re: Summary of Field Activities and Analytical Results
Second Quarter Groundwater Monitoring Event
City of Santa Fe Paseo Real Wastewater Reclamation Facility

Dear Ms. Ewing:

Daniel B. Stephens & Associates, Inc. (DBS&A) is pleased to provide this letter report to Hazen and Sawyer (Hazen) summarizing results of the second quarter groundwater monitoring event conducted at the City of Santa Fe (the City) Paseo Real Wastewater Reclamation Facility (PRWRF) in Santa Fe, New Mexico (the site) (Figure 1).

Background

The City historically used the site as a facility for sludge disposal by land application. The PRWRF was constructed in the 1960s. The first discharge permit was issued for the land application of sludge in June 1984, but it is unknown when the practice began. Land application activities were discontinued on March 9, 2022. Historical land application areas prior to and after 2010 are shown on Figure 1.

Soil and hydromulch were applied to the ground surface after land application of sludge was discontinued at the site. There are seven groundwater monitor wells associated with the site. MW-3 is located hydrologically upgradient of the facility. MW-1, MW-2, MW-5, MW-6, and MW-7 are located hydrologically downgradient of the facility's former disposal areas. MW-4A is located hydrologically downgradient of the facility's outfall to the Santa Fe River (Figure 1). The wells were previously sampled by DBS&A in August 2023.

Sampling Analytes

This water quality sampling was performed to evaluate whether there is poly- and perfluoroalkyl substances (PFAS) contamination in groundwater below the former sludge disposal facility. PFAS analytes and their acronyms are listed in Table 1. PFAS analytes with detections in June 2024 and applicable screening levels are listed in Table 2. The applicable screening levels are State of New Mexico site investigation screening levels for tap water developed by the New Mexico Environment Department (NMED) Hazardous Waste Bureau and Ground Water Quality Bureau based on human health risk assessments (NMED, 2022).

Scope of Work

All activities were conducted in accordance with the approved scope of work. Field notes documenting sample collection activities are provided in Attachment 1.

Prior to the second quarter groundwater monitoring event, DBS&A conducted a site visit for the purpose of inspecting each of the seven monitor wells to determine what supplies and equipment were needed to collect groundwater samples. Previous groundwater sampling at the site has been performed with garden hose discharge lines, which may not be suitable for PFAS sample collection. DBS&A replaced the discharge lines for each well with dedicated PFAS-free tubing.

Groundwater monitoring was conducted at the site on June 20 and 21, 2024. The quarterly monitoring event included measurement of water levels and collection of groundwater samples from monitor wells associated with the site (MW-1 through MW-7) (Figure 1). One duplicate sample and two field blank quality control samples were also collected.

Groundwater monitoring activities were conducted in accordance with the procedures and protocols set forth in the approved scope of work, which include eliminating potential sources of PFAS in field clothing, field equipment, sample containers, and supplies for equipment decontamination. For example, items banned from the work area included clothing washed with fabric softener, plastic clipboards and binders, adhesives, all materials containing Teflon, and most brands of waterproof field logbooks. DBS&A personnel refrain from the use of cosmetics, hand creams, moisturizers, sunscreen, and insect repellent when sampling for PFAS. These protocols are discussed at daily tailgate safety meetings and are strictly enforced. DBS&A has based these protocols on guidance published by the California State Water Resources Control Board (SWRCB) Division of Drinking Water (SWRCB, 2020).

Fluid levels were gauged in the monitor wells using a decontaminated electronic water level indicator. Water level elevations are provided in Table 3.

Prior to sampling, monitor wells were purged of a minimum of three casing volumes using dedicated pumps. Field parameters, including specific conductivity, pH, and temperature, were measured in the monitor wells during purging and recorded on the field sampling records (Attachment 1).

The groundwater samples collected from the monitor wells were analyzed for PFAS using U.S. Environmental Protection Agency (EPA) method 1633. Enthalpy Analytical Laboratory (Enthalpy) in El Dorado Hills, California performed all chemical analysis of the groundwater samples following their corporate quality assurance program. Samples were preserved on ice and accompanied by full chain of custody documentation at all times in accordance with industry best practices and DBS&A standard operating procedures (SOPs).

Results

Water Level Elevations

Water levels measured in monitor wells during the current monitoring event are presented in Table 3.

Water levels measured during the current monitoring event were used to construct the potentiometric surface map provided in Figure 2. Groundwater flow direction at the site was generally to the southwest, with a gradient of 0.0015 foot per foot (ft/ft).

Analytical Results

Groundwater analytical results for the PFAS analytes that were detected and/or have applicable screening levels are summarized in Table 2 and on Figure 3. The complete laboratory report, including chain of custody, is provided in Attachment 2.

PFAS analytes were detected in two of the seven sampled wells:

- MW-1: PFBA (10.6 nanograms per liter [ng/L]), PFPeA (21.7 ng/L), PFHxA (21.1 ng/L), PFHpA (4.13 ng/L), PFOA (7.03 ng/L), PFBS (14.2 ng/L), PFPeS (2.24 ng/L), and PFHxS (7.16 ng/L)
- MW-4A: PFBS (2.67 ng/L)

Concentrations of all PFAS were below the NMED tap water noncancer screening levels provided in the NMED November 2022 risk assessment guidance document (NMED, 2022). PFAS were not detected at concentrations above laboratory reporting limits in wells MW-2, MW-3, MW-5, MW-6, and MW-7. MW-1 is located on the west side of the facility. MW-4A is located northwest of the facility and downgradient of the outfall, near the discharge channel to the Santa Fe River.

PFAS were not detected at concentrations above laboratory reporting limits in the duplicate sample (MW-8), which is consistent with analytical results in the corresponding primary sample collected from MW-5 (Table 2). Concentrations of all PFAS were below laboratory reporting limits in the field blank quality control samples (Attachment 2).

Conclusions and Recommendations

A total of seven monitor wells were sampled as part of the second quarter groundwater monitoring event at the site. Based on the results of the current groundwater monitoring event, DBS&A provides the following conclusions regarding groundwater conditions at the site:

- Groundwater beneath the site flows to the southwest.

Ms. Amy Ewing
September 10, 2024
Page 4

- PFAS were detected in samples collected from MW-1 (eight analytes) and MW-4A (one analyte) at concentrations below the NMED screening levels.

Based on the findings of the groundwater monitoring, DBS&A recommends that quarterly groundwater monitoring continue at the site through the first quarter 2025 under the approved scope of work to assess long-term or seasonal trends in groundwater quality.

Closing

This letter report serves as the deliverable for the second quarter groundwater monitoring event at the site, as specified in the approved scope of work. Please contact me at (505) 822-9400 with any questions.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.



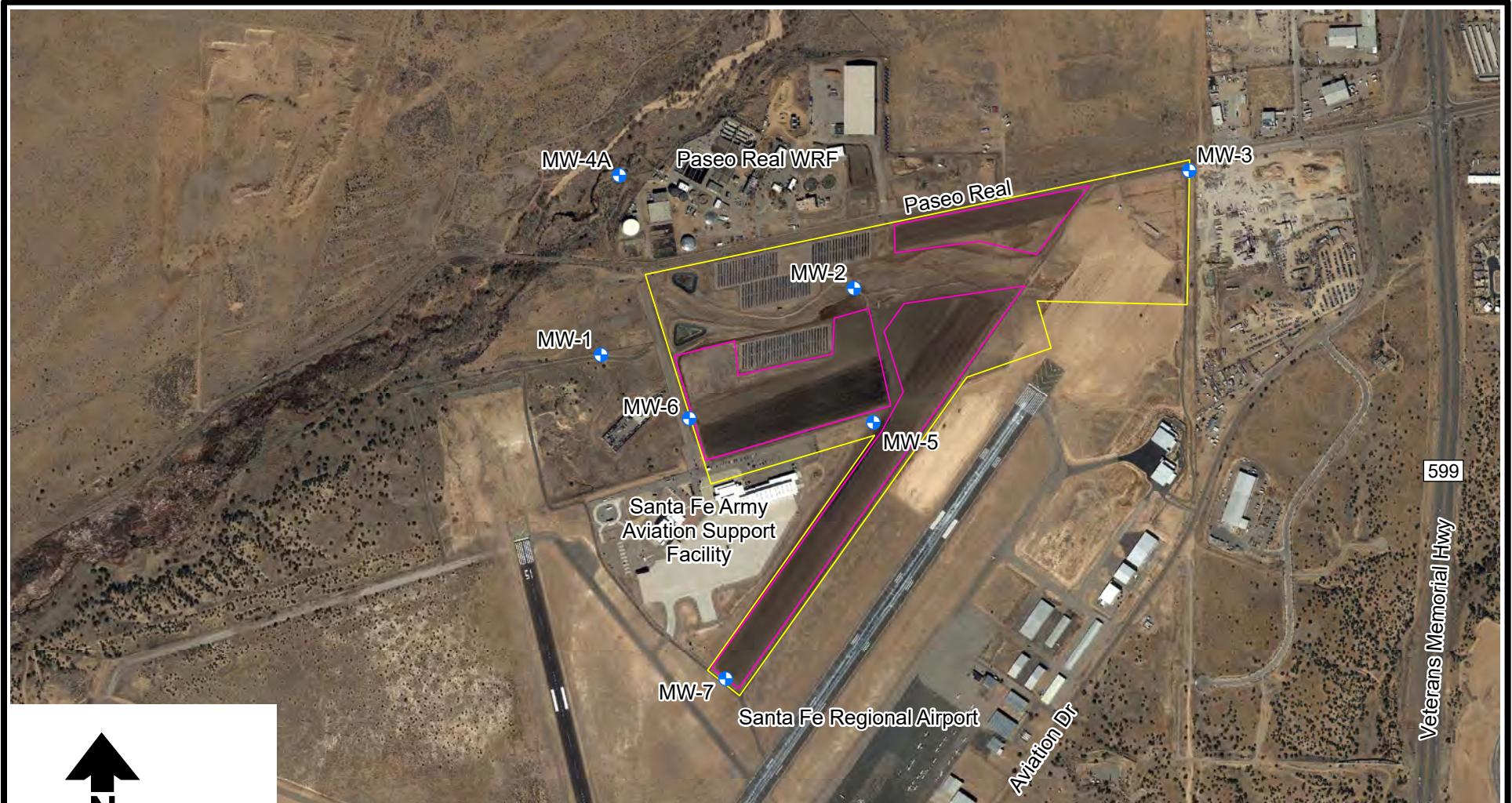
Patrice N. Feltman, P.G.
Geologist/Project Manager

PNF/rpf
Attachments

Reference

New Mexico Environment Department (NMED). 2022. *Risk assessment for site investigations and remediation, Volume I: Soil screening guidance for human health risk assessments*. November 2022.

Figures



0 500 1000 ft

Explanation

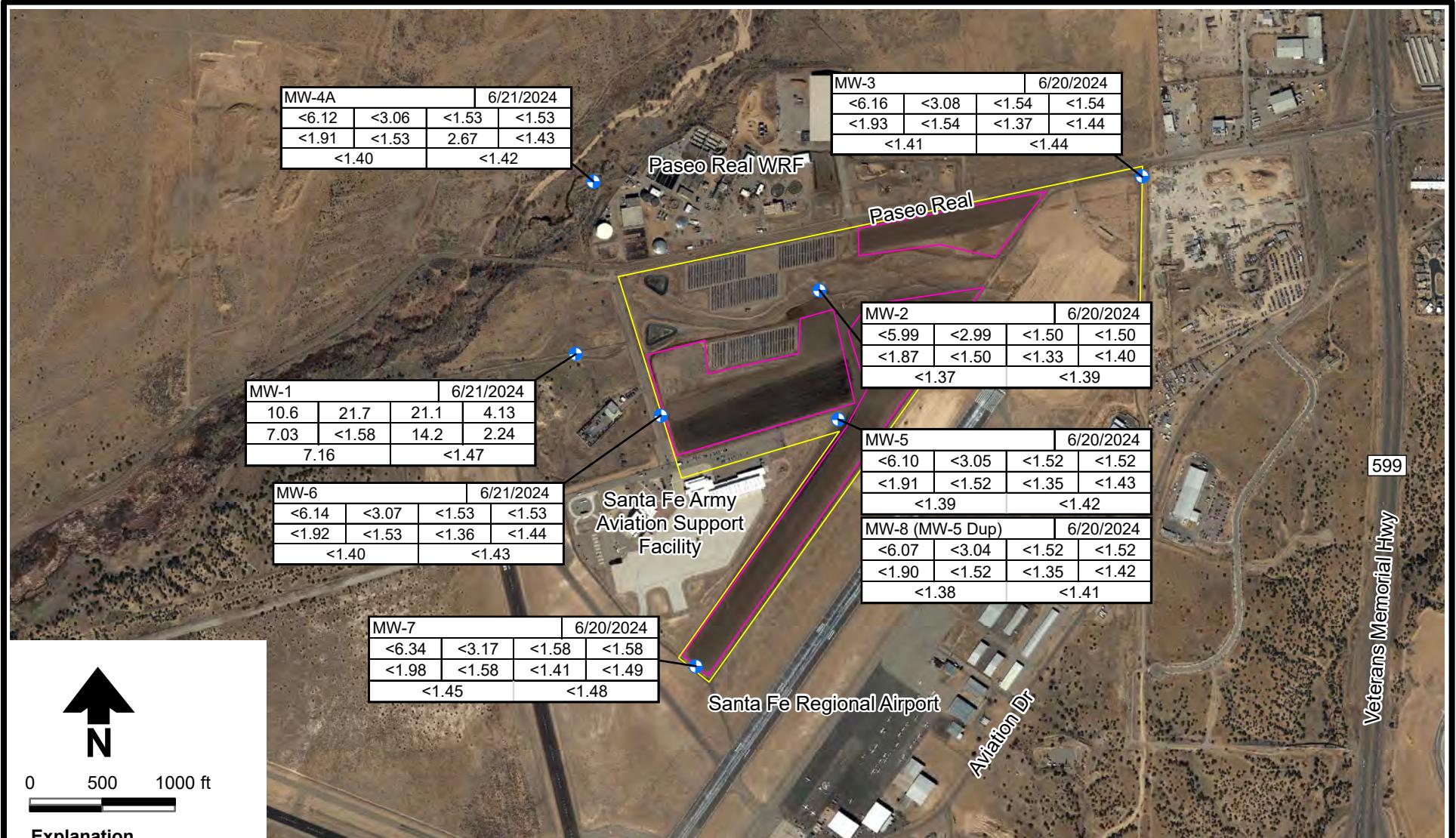
- Monitor well
- Yellow box: Approximate area of land application prior to 2010
- Pink box: Approximate area of land application after 2010

Base image source: Google Earth Pro, March 2021

CITY OF SANTA FE
PASEO REAL WATER RECLAMATION FACILITY
Site Map

Figure 1





| Location designation | | Sample Date | |
|----------------------|-------|-------------|-------|
| PFBA | PFPeA | PFHxA | PFHpA |
| PFOA | PFNA | PFBS | PFPeS |
| PFHxS | | PFOS | |

CITY OF SANTA FE
PASEO REAL WATER RECLAMATION FACILITY
Distribution of PFAS Contaminants
June 20 and 21, 2024

Figure 3

Tables

Table 1. PFAS Target Analytes

| Analyte Name | Acronym |
|--------------------------------|---------|
| Perfluorobutanoic acid | PFBA |
| Perfluoropentanoic acid | PFPeA |
| Perfluorohexanoic acid | PFHxA |
| Perfluoroheptanoic acid | PFHpA |
| Perfluorooctanoic acid | PFOA |
| Perfluorononanoic acid | PFNA |
| Perfluorobutane sulfonic acid | PFBS |
| Perfluoropentane sulfonic acid | PFPeS |
| Perfluorohexane sulfonic acid | PFHxS |
| Perfluorooctane sulfonic acid | PFOS |

Table 2. Groundwater Chemistry Analytical Data

| Well Name | Sample Date | Concentration ^a (ng/L) | | | | | | | | | |
|---|-------------|-----------------------------------|-------------|-------------|-------------|-------|-------|-------|-------------|-------|-------|
| | | PFBA | PFPeA | PFHxA | PFHpA | PFOA | PFNA | PFBS | PFPeS | PFHxS | PFOS |
| NMED Screening Level^b | | None | None | None | None | 60.2 | 60.2 | 6,020 | None | 401 | 60.2 |
| MW-1 | 6/21/2024 | 10.6 | 21.7 | 21.1 | 4.13 | 7.03 | <1.58 | 14.2 | 2.24 | 7.16 | <1.47 |
| MW-2 | 6/20/2024 | <5.99 | <2.99 | <1.50 | <1.50 | <1.87 | <1.50 | <1.33 | <1.40 | <1.37 | <1.39 |
| MW-3 | 6/20/2024 | <6.16 | <3.08 | <1.54 | <1.54 | <1.93 | <1.54 | <1.37 | <1.44 | <1.41 | <1.44 |
| MW-4A | 6/21/2024 | <6.12 | <3.06 | <1.53 | <1.53 | <1.91 | <1.53 | 2.67 | <1.43 | <1.40 | <1.42 |
| MW-5 | 6/20/2024 | <6.10 | <3.05 | <1.52 | <1.52 | <1.91 | <1.52 | <1.35 | <1.43 | <1.39 | <1.42 |
| MW-6 | 6/21/2024 | <6.14 | <3.07 | <1.53 | <1.53 | <1.92 | <1.53 | <1.36 | <1.44 | <1.40 | <1.43 |
| MW-7 | 6/20/2024 | <6.34 | <3.17 | <1.58 | <1.58 | <1.98 | <1.58 | <1.41 | <1.49 | <1.45 | <1.48 |
| MW-8 (MW-5 Dup) | 6/20/2024 | <6.07 | <3.04 | <1.52 | <1.52 | <1.90 | <1.52 | <1.35 | <1.42 | <1.38 | <1.41 |

Bold indicates that value exceeds the New Mexico Environment Department (NMED) tap water noncancer screening level.

^a Analyzed using U.S. Environmental Protection Agency (EPA) method 1633.

^b NMED screening level, tap water, noncancer

ng/L = Nanograms per liter

Table 3. Water Level Data

| Well Name | Top of Casing Elevation ^a (feet msl) | Total Depth ^b (feet bgs) | Screened Interval ^b (feet bgs) | Date Measured | Depth to Groundwater (feet btoc) | Groundwater Elevation (feet msl) |
|-----------|--|--|--|---------------|-------------------------------------|-------------------------------------|
| MW-1 | 6,282.29 | 150 | 130-150 | 6/20/2024 | 128.65 | 6,153.64 |
| MW-2 | 6,301.40 | 170 | 130-150 | 6/20/2024 | 146.81 | 6,154.59 |
| MW-3 | 6,339.16 | 214 | 194-214 | 6/20/2024 | 179.89 | 6,159.27 |
| MW-4A | Unknown | Unknown | Unknown | 6/20/2024 | 117.84 | NA |
| MW-5 | 6,341.69 | 204 | 184-204 | 6/20/2024 | 187.57 | 6,154.12 |
| MW-6 | 6,327.65 | 186 | 166-186 | 6/20/2024 | 174.00 | 6,153.65 |
| MW-7 | 6,325.24 | 215 | 166-186 | 6/20/2024 | 172.69 | 6,152.55 |

^a Provided by City of Santa Fe 2024 Quarter 1 DP-135 Report.

^b Approximate depth

msl = Above mean sea level

bgs = Below ground surface

btoc = Below top of casing

NA = Not applicable

Attachment 1

Field Notes



Daniel B. Stephens & Associates, Inc.

GROUNDWATER METER CALIBRATION SHEET

Project Name: Paseo Real WRF

Sampler: J. Fisher

Project #: DB 24.1212.00

Date: 5/20/24

Project Manager: J. Fisher/P. Foltman

| <u>pH</u> | <u>Temp (°C)</u> | <u>Comments</u> |
|--------------------------------|------------------|-------------------------|
| (4) 4.00/4.00 | 25.0 | 4.00/4.01 @ 25.4°C |
| (7) 7.00/7.00 | 25.2 | 7.00/7.00 @ 26.1°C |
| (10) 10.00/10.02 | 25.5 | 10.00/10.00 @ 26.6°C |
| <u>SpCon (µS/cm)</u> | <u>Temp (°C)</u> | <u>Comments</u> |
| (1413) 1413/1414 | 25.1 | 1413/1413 @ 26.2°C |
| <u>ORP (mv)</u> | <u>Temp (°C)</u> | <u>Comments</u> |
| 223.7/223.7 | 24.5 | 221.0/221.1 mv @ 26.3°C |
| <u>Dissolved O₂</u> | <u>Temp (°C)</u> | <u>Comments</u> |
| (%) | | 80.2%, @ 24.7°C |
| (mg/L) 3.7 | 25.0 | 4.0 mg/L @ 24.3°C |
| <u>Pressure</u> | <u>Temp (°C)</u> | <u>Comments</u> |
| (mmHg) 609.8 | 25.1 | 609.2 @ 24.7°C |

Comments:

YSI Quattro SN: 21B100053



Daniel B. Stephens & Associates, Inc.

GROUNDWATER ELEVATION DATA SHEET

Project Name: Pisgo Ranch WRIC

Sampler: J. Fisher

Project #: DB24.1212.00

Sample Date: 4/20/24

Project Manager: J. Fisher / P. Feltman

Sheet # 1 of 1

Comments:



GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF

Sampler: J. Fisher

Project #: DB24.1212.00

Sample Date: 6/20/2024 - 6/21/24

Project Manager: P. Feltman/J. Fisher

Sample Time: 1220

Well #: MW-1

Well Diameter: 4.5 (inches) Height of Water Column: 21.35 (feet)

Depth to NAPL: — (feet btoc) Casing Volume: 17.51 (gal)

Depth to Water: 128.65 (feet btoc) Purge Volume: 52.52 (gal)

Total Depth of Well: 150 (feet) Purge Method: Dedicated submersible pump

Note:

One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 4.5" = 0.82 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

| Casing Volume | pH | Temp (°F) | Conductivity (µS/cm) | ORP (mv) | D.O. (mg/L) | Turbidity (NTU) |
|---------------|------|-----------|----------------------|----------|-------------|-----------------|
| Initial | 7.57 | 16.5 | 583 | 132.9 | 6.3 | CLEAR |
| 1 | 7.42 | 15.8 | 597 | 111.9 | 6.6 | CLEAR |
| 2 | 7.46 | 15.9 | 595 | 96.6 | 6.8 | CLEAR |
| 3 | 7.48 | 15.9 | 598 | 86.0 | 6.5 | CLEAR |

Sample Description: 2-500mL Poly - 1-125mL Poly

Physical Observations: CLEAR, No Odor

Analytical Method(s): PFAS



GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF

Sampler: J. Fisher

Project #: DB24.1212.00

Sample Date: 6/20/2024

Project Manager: P. Feltman/J. Fisher

Sample Time: 1215

Well #: MW-2

Well Diameter: 5 (inches) Height of Water Column: 23.45 (feet)

Depth to NAPL: — (feet btoc) Casing Volume: 23,919 (gal)

Depth to Water: 146.55* (feet btoc) Purge Volume: 71.76 (gal)

Total Depth of Well: 170 (feet) Purge Method: Dedicated submersible pump

Note:

One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 4.5" = 0.82 gal/ft; 5.0" = 1.02 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

| Casing Volume | pH | Temp (°F) | Conductivity (µS/cm) | ORP (mv) | D.O. (mg/L) | Turbidity (NTU) |
|---------------|------|-----------|----------------------|----------|-------------|-----------------|
| Initial | 7.17 | 85 | 226.9 | 174.0 | 7.4 | CLEAR |
| 1 | 7.65 | 16.2 | 226.5 | 120.9 | 7.4 | CLEAR |
| 2 | 7.53 | 16.1 | 227.1 | 105.9 | 7.7 | CLEAR |
| 3 | 7.49 | 16.3 | 222.7 | 196.2 | 7.2 | CLEAR |

Sample Description: 2500mL Poly + 125mL Poly

Physical Observations: Clear No Odor

Analytical Method(s): DEXS



Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF

Sampler: J. Fisher

Project #: DB24.1212.00

Sample Date: 6/20/2024

Project Manager: P. Feltman/J. Fisher

Sample Time: 1130

Well #: MW-3

Well Diameter: 5 (inches) Height of Water Column: 34.11 (feet)

Depth to NAPL: — (feet btoc) Casing Volume: 34.79 (gal)

Depth to Water: 179.89 (feet btoc) Purge Volume: 104.4 (gal)

Total Depth of Well: 214 (feet) Purge Method: Dedicated submersible pump

Note:

One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 4.5" = 0.82 gal/ft; 5.0" = 1.02 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

| Casing Volume | pH | Temp (°F) | Conductivity (µS/cm) | ORP (mv) | D.O. (mg/L) | Turbidity (NTU) |
|---------------|------|-------------------|----------------------|----------|-------------|-----------------|
| Initial | 7.91 | 17.8 | 220.3 | 208.0 | 5.4 | CLEAR |
| 1 | 8.00 | 16.4 | 250.1 | 200.0 | 5.4 | CLEAR |
| 2 | | DRY @ ~43 ft mslv | | | | |
| 3 | | | | | | |

Sample Description: 2.500mL Poly, 1-125mL Poly

Physical Observations: Clear, No Odor

Analytical Method(s): PT-AS



Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF

Sampler: J. Fisher

Project #: DB24.1212.00

Sample Date: 6/20/2024 6/21/24

Project Manager: P. Feltman/J. Fisher

Sample Time: 1300

Well #: MW-4

Well Diameter: 4.0 (inches) Height of Water Column: 17.16 (feet)

Depth to NAPL: — (feet btoc) Casing Volume: 11.15 (gal)

Depth to Water: 17.84 (feet btoc) Purge Volume: 33.46 (gal)

Total Depth of Well: 135 (feet) Purge Method: Dedicated submersible pump

Note:

One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 4.5" = 0.82 gal/ft; 5.0" = 1.02 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

| Casing Volume | pH | Temp (°F) | Conductivity (µS/cm) | ORP (mv) | D.O. (mg/L) | Turbidity (NTU) |
|---------------|------|-----------|----------------------|----------|-------------|-----------------|
| Initial | 7.27 | 16.4 | 377.9 | 127.5 | 4.6 | CLEAR |
| 1 | 7.27 | 16.4 | 368.7 | 64.8 | 5.7 | CLEAR |
| 2 | 7.22 | 16.5 | 377.2 | 54.2 | 6.1 | CLEAR |
| 3 | 7.20 | 16.5 | 379.1 | 66.9 | 6.2 | CLEAR |

Sample Description: 2-500mL Poly, 1-125mL Poly

Physical Observations: CLEAR, No Odor

Analytical Method(s): PENS



Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF

Sampler: J. Fisher

Project #: DB24.1212.00

Sample Date: 6/20/2024

Project Manager: P. Feltman/J. Fisher

Sample Time: 1255

Well #: MW-5

Well Diameter: 4.0 (inches) Height of Water Column: 16.1 (feet)

Depth to NAPL: — (feet btoc) Casing Volume: 10.47 (gal)

Depth to Water: 187.90 (feet btoc) Purge Volume: 31.40 (gal)

Total Depth of Well: 204 (feet) Purge Method: Dedicated submersible pump

Note:

One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 4.5" = 0.82 gal/ft; 5.0" = 1.02 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

| Casing Volume | pH | Temp (°F) | Conductivity (µS/cm) | ORP (mv) | D.O. (mg/L) | Turbidity (NTU) |
|---------------|------|-----------|----------------------|----------|-------------|-----------------|
| Initial | 7.68 | 16.6 | 186.6 | 118.3 | 4.9 | CLEAR |
| 1 | 7.84 | 16.6 | 193.0 | 114.7 | 6.9 | |
| 2 | 7.88 | 16.5 | 193.0 | 112.4 | 6.7 | |
| 3 | 7.90 | 16.5 | 90.0 | 111.9 | 6.9 | |

Sample Description: (2-500ml Poly, 1-250mL Poly) x 2
Also Collected Dup MW-8

Physical Observations: Clean No Odor

Analytical Method(s): PFAAS



Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF

Sampler: J. Fisher

Project #: DB24.1212.00

Sample Date: 6/20/2024 6/21/24

Project Manager: P. Feltman/J. Fisher

Sample Time: 1100

Well #: MW-6

Well Diameter: 4.0 (inches) Height of Water Column: 12.00 (feet)

Depth to NAPL: — (feet btoc) Casing Volume: 7.80 (gal)

Depth to Water: 174.00 (feet btoc) Purge Volume: 23.4 (gal)

Total Depth of Well: 186 (feet) Purge Method: Dedicated submersible pump

Note:

One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 4.5" = 0.82 gal/ft; 5.0" = 1.02 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

| Casing Volume | pH | Temp (°F) | Conductivity (μS/cm) | ORP (mv) | D.O. (mg/L) | Turbidity (NTU) |
|---------------|------|------------------------------------|----------------------|----------|-------------|-----------------|
| Initial | 7.56 | 66.1 | 203.1 | 153.0 | 4.1 | Clear |
| 1 | | DRY @ ~15 gallons (including pump) | | | | |
| 2 | | | | | | |
| 3 | | | | | | |

Sample Description: 2500mL Poly, 1-125mL Poly

Physical Observations: Clear, No Odor

Analytical Method(s): PFAS



Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF

Sampler: J. Fisher

Project #: DB24.1212.00

Sample Date: 6/20/2024

Project Manager: P. Feltman/J. Fisher

Sample Time: 1330

Well #: MW-7

Well Diameter: 4.0 (inches)

Height of Water Column: 26.84 (feet)

Depth to NAPL: — (feet btoc)

Casing Volume: 17.45 (gal)

Depth to Water: 173.16 (feet btoc)

Purge Volume: 52.34 (gal)

Total Depth of Well: 200 (feet)

Purge Method: Dedicated submersible pump

Note:

One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 4.5" = 0.82 gal/ft; 5.0" = 1.02 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

| Casing Volume | pH | Temp (°F) | Conductivity (µS/cm) | ORP (mv) | D.O. (mg/L) | Turbidity (NTU) |
|---------------|------|-----------|----------------------|----------|-------------|-----------------|
| Initial | 7.80 | 15.1 | 209.9 | 111.6 | 6.0 | CLERM |
| 1 | 7.81 | 16.5 | 214.6 | 111.5 | 7.1 | CLERM |
| 2 | 7.86 | 16.7 | 214.1 | 108.9 | 6.9 | CLERM |
| 3 | 7.86 | 16.6 | 217.5 | 108.7 | 7.5 | CLERM |

Sample Description: 2500mL Poly, 1-125mL Poly

Physical Observations: Clear, No Odor

Analytical Method(s): PFAS

Projects (continued)

| | Wall Dimension | TD |
|------|----------------|------|
| MW-1 | 4.5" | 150' |
| MW-2 | 5" | 170' |
| MW-3 | 5" | 214' |
| MW-4 | 4" | 135' |
| MW-5 | 4" | 204' |
| MW-6 | 4" | 186' |
| MW-7 | 4" | 200' |

6/20/24

J. FISHER

- 0955 Onsite @ Admin Building To SIGN IN & GET Work Keys From PATRICIA ROSTICKER (in the LAB).
- 1005 @ CEMENT PLANT. CHECK IN @ OFFICE.
- 1015 @ MW-3. CALIBRATE VSI. SEE FORM FOR DETAILS.
- 1035 SET UP TO SAMPLE MW-3.
- 1130 COLLECT SAMPLE @ MW-3 ^{sec forms} ~~FOR DENSITY~~.
- 1150 @ MW-2. CANNOT GET GAUGE WATER LEVEL DUE TO WEATHERED SET UP. WILL ASSUME IT IS CLOSE TO 146.55 FROM 1ST QUARTER.
- 1215 COLLECT SAMPLE @ MW-2.
- 1225 COLLECT FIELD BURN.
- 1255 COLLECT SAMPLE @ MW-5. ^{DUPLICATING SAMPLE}.
- 1330 COLLECT SAMPLE @ MW-7.
- 1405 @ MW-6. CANNOT GET GENERATOR TO START.
- 1415 RETURN KEYS. OFFSITE.

*In
Zain
6/20/24*

6/21/24

J. FISHER

- 1015 Onsite @ LAB TO GET KEYS & TICKS TO PATRICIA.
- 1030 @ MW-C. CALIBRATE VSI. SEE FORM FOR DENSITY.
- 1045 SET UP TO SAMPLE MW-6.
- 1100 COLLECT SAMPLE @ MW-6.
- 1110 COLLECT FIELD BURN.
- 1220 COLLECT SAMPLE @ MW-1.
- 1300 COLLECT SAMPLE @ MW-4.
- ALL SAMPLES PLACED ON ICE.
- PICK UP.
- 1315 RETURN KEYS TO LAB.
- 1330 OFFSITE

*REMOVED
6/21/24*

Attachment 2

Laboratory
Analytical Report



July 19, 2024

Enthalpy Analytical - El Dorado Hills

Work Order No. 2406188

Ms. Amy Ewing
Hazen & Sawyer
100 Sun Ave NE, Ste 206
Albuquerque, NM 87109

Dear Ms. Ewing,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on June 25, 2024 under your Project Name 'DB24.1212.00'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at emilyuebelhoer@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

C.R. Whithead

For

Emily Uebelhoer
Project Manager

Enthalpy Analytical - EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical - EDH.

Enthalpy Analytical - EDH Work Order No. 2406188
Case Narrative

Sample Condition on Receipt:

Ten aqueous samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements. Sample time discrepancies were noted for the samples between the container labels and the Chain-of-Custody (CoC). The sample times have been reported as listed on the CoC.

Analytical Notes:

EPA Method 1633 (Aqueous)

The samples were extracted and analyzed for a selected list of PFAS using EPA Method 1633. The results for PFHxS, PFOA, PFOSA, PFOS, PFNA, MeFOSAA, EtFOSAA, MeFOSA, MeFOSE, EtFOSA, EtFOSE include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank, Ongoing Precision and Recovery (OPR) sample, and Low-Level OPR sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above the Reporting Limit. The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries for all QC and field samples were within the acceptance criteria.

TABLE OF CONTENTS

| | |
|-------------------------|----|
| Case Narrative..... | 1 |
| Table of Contents..... | 3 |
| Sample Inventory..... | 4 |
| Analytical Results..... | 5 |
| Qualifiers..... | 32 |
| Certifications..... | 33 |
| Sample Receipt..... | 34 |

Sample Inventory Report

| Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|------------|------------------|-----------------|-----------------|---|
| 2406188-01 | MW-3 | 20-Jun-24 11:30 | 25-Jun-24 10:06 | HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL |
| 2406188-02 | MW-2 | 20-Jun-24 12:15 | 25-Jun-24 10:06 | HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL |
| 2406188-03 | Field Blank | 20-Jun-24 12:25 | 25-Jun-24 10:06 | HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL |
| 2406188-04 | MW-5 | 20-Jun-24 12:55 | 25-Jun-24 10:06 | HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL |
| 2406188-05 | MW-8 | 20-Jun-24 12:55 | 25-Jun-24 10:06 | HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL |
| 2406188-06 | MW-7 | 20-Jun-24 13:30 | 25-Jun-24 10:06 | HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL |
| 2406188-07 | MW-6 | 21-Jun-24 11:00 | 25-Jun-24 10:06 | HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL |
| 2406188-08 | MW-1 | 21-Jun-24 12:20 | 25-Jun-24 10:06 | HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL |
| 2406188-09 | Field Blank | 21-Jun-24 11:10 | 25-Jun-24 10:06 | HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL |
| 2406188-10 | MW-4 | 21-Jun-24 13:00 | 25-Jun-24 10:06 | HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL |

ANALYTICAL RESULTS

Sample ID: Method Blank
EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | |
|--------------|----------------|-----------------|---|-------------|--------------|-----------|-----------------|----------|---|
| Name: | Hazen & Sawyer | Matrix: | Aqueous <th>Lab Sample:</th> <td>B24G035-BLK1</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th> | Lab Sample: | B24G035-BLK1 | Column: | BEH C18 | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| PFBA | ND | 6.40 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFMPA | ND | 3.20 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| 3:3 FTCA | ND | 8.00 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFPeA | ND | 3.20 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFMBA | ND | 3.20 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFBS | ND | 1.42 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| 4:2 FTS | ND | 6.00 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFHxA | ND | 1.60 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFEESA | ND | 2.85 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFPeS | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| HFPO-DA | ND | 6.68 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| NFDHA | ND | 3.20 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| 5:3 FTCA | ND | 40.0 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFHpA | ND | 1.60 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| ADONA | ND | 6.32 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFHxS | ND | 1.46 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| 6:2 FTS | ND | 6.07 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFOA | ND | 2.00 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFHpS | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| 7:3 FTCA | ND | 40.0 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFNA | ND | 1.60 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFOSA | ND | 1.60 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFOS | ND | 1.49 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| 9Cl-PF3ONS | ND | 6.24 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFDA | ND | 1.60 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| 8:2 FTS | ND | 6.14 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFNS | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| MeFOSAA | ND | 1.60 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| EtFOSAA | ND | 1.60 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFUnA | ND | 1.60 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFDS | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| 11Cl-PF3OUdS | ND | 6.00 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFDoA | ND | 1.60 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| MeFOSA | ND | 1.60 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFTrDA | ND | 1.60 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFDoS | ND | 1.55 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| PFTeDA | ND | 1.60 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |
| EtFOSA | ND | 1.60 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | | 1 |

Sample ID: Method Blank
EPA Method 1633

| Client Data | | | | Laboratory Data | | | | | | |
|-------------------|--|------------|--|-----------------|--------------|---------|-----------|-----------|-----------------|----------|
| Name: | Hazen & Sawyer <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td data-cs="2" data-kind="parent">B24G035-BLK1</td><td data-kind="ghost"></td><th>Column:</th><td data-cs="3" data-kind="parent">BEH C18</td><td data-kind="ghost"></td><td data-kind="ghost"></td></td> | Matrix: | Aqueous <th>Lab Sample:</th> <td data-cs="2" data-kind="parent">B24G035-BLK1</td> <td data-kind="ghost"></td> <th>Column:</th> <td data-cs="3" data-kind="parent">BEH C18</td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> | Lab Sample: | B24G035-BLK1 | | Column: | BEH C18 | | |
| Analyte | Conc. (ng/L) | | | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution |
| MeFOSE | | ND | | 16.0 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| EtFOSE | | ND | | 16.0 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| Labeled Standards | Type | % Recovery | Limits | | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution |
| 13C4-PFBA | IS | 86.2 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C5-PFPcA | IS | 101 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C2-4:2 FTS | IS | 87.2 | 40 - 200 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C3-PFBS | IS | 87.2 | 40 - 135 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C5-PFHxA | IS | 91.9 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C4-PFHxA | IS | 93.6 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C3-HFPO-DA | IS | 89.6 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C2-6:2 FTS | IS | 83.4 | 40 - 200 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C8-PFOA | IS | 76.4 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C3-PFHxS | IS | 90.8 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C9-PFNA | IS | 82.8 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C2-8:2 FTS | IS | 87.7 | 40 - 300 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C6-PFDA | IS | 80.9 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| d3-MeFOSAA | IS | 71.3 | 40 - 170 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C8-PFOS | IS | 85.3 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| d5-EtFOSAA | IS | 61.0 | 25 - 135 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C7-PFUnA | IS | 80.1 | 30 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C8-PFOSA | IS | 52.2 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C2-PFDmA | IS | 61.7 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| 13C2-PFTeDA | IS | 53.9 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| d7-MeFOSE | IS | 27.5 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| d3-MeFOSA | IS | 23.1 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| d9-EtFOSE | IS | 24.3 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |
| d5-EtFOSA | IS | 16.7 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 06:46 | 1 |

RL - Reporting limit

Results reported to RL.

Sample ID: OPR
EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | | | |
|--------------|----------------|------------------|-----------|-------------|-------------|------------|---------|-----------|-----------|-----------------|----------|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | B24G035-BS1 | | Column: | BEH C18 | | | |
| Analyte | | Amt Found (ng/L) | Spike Amt | % Rec | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution |
| PFBA | | 21.0 | 20.0 | 105 | 70 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFMPA | | 10.0 | 10.0 | 100 | 55 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| 3:3 FTCA | | 22.9 | 25.0 | 91.6 | 65 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFPeA | | 10.5 | 10.0 | 105 | 65 - 135 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFMBA | | 10.5 | 10.0 | 105 | 60 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFBS | | 4.65 | 4.44 | 105 | 60 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| 4:2 FTS | | 20.7 | 18.8 | 110 | 70 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFHxA | | 5.03 | 5.00 | 101 | 70 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFEESA | | 10.3 | 8.88 | 116 | 70 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFPeS | | 4.58 | 4.72 | 97.0 | 65 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| HFPO-DA | | 21.4 | 21.2 | 101 | 70 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| NFDHA | | 11.2 | 10.0 | 112 | 50 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| 5:3 FTCA | | 116 | 125 | 93.3 | 70 - 135 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFHpA | | 5.17 | 5.00 | 103 | 70 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| ADONA | | 19.5 | 20.0 | 97.3 | 65 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFHxS | | 4.92 | 4.56 | 108 | 65 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| 6:2 FTS | | 20.4 | 19.0 | 108 | 65 - 155 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFOA | | 6.14 | 5.00 | 123 | 70 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFHpS | | 4.51 | 4.76 | 94.8 | 70 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| 7:3 FTCA | | 96.0 | 125 | 76.9 | 50 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFNA | | 5.66 | 5.00 | 113 | 70 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFOSA | | 5.45 | 5.00 | 109 | 70 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFOS | | 4.55 | 4.64 | 98.0 | 55 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| 9Cl-PF3ONS | | 19.9 | 19.8 | 100 | 70 - 155 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFDA | | 5.04 | 5.00 | 101 | 70 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| 8:2 FTS | | 17.9 | 19.2 | 93.3 | 60 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFNS | | 4.69 | 4.80 | 97.6 | 65 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| MeFOSAA | | 5.79 | 5.00 | 116 | 50 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| EtFOSAA | | 4.94 | 5.00 | 98.8 | 70 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFUnA | | 5.30 | 5.00 | 106 | 70 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFDS | | 4.11 | 4.84 | 84.9 | 60 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| 11Cl-PF3OUdS | | 15.4 | 20.0 | 76.9 | 55 - 160 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFDoA | | 5.35 | 5.00 | 107 | 70 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| MeFOSA | | 5.26 | 5.00 | 105 | 60 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |

Sample ID: OPR
EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | | | |
|-------------------|----------------|------------------|-----------|-------------|------------|-------------|-----------|-----------|-----------------|-----------------|----------|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | | B24G035-BS1 | | Column: | BEH C18 | | |
| Project: | DB24.1212.00 | | | | | | | | | | |
| Analyte | | Amt Found (ng/L) | Spike Amt | % Rec | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution |
| PFTrDA | | 5.69 | 5.00 | 114 | 65 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFDoS | | 3.51 | 4.84 | 72.6 | 50 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| PFTeDA | | 5.68 | 5.00 | 114 | 60 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| EtFOSA | | 5.09 | 5.00 | 102 | 65 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| MeFOSE | | 55.0 | 50.0 | 110 | 70 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| EtFOSE | | 53.9 | 50.0 | 108 | 70 - 135 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 |
| Labeled Standards | Type | | % Rec | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| 13C4-PFBA | IS | | 90.4 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C5-PFPcA | IS | | 94.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C2-4:2 FTS | IS | | 87.4 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C3-PFBS | IS | | 96.9 | 40 - 135 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C5-PFHxA | IS | | 87.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C4-PFHxA | IS | | 89.0 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C3-HFPO-DA | IS | | 85.9 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C2-6:2 FTS | IS | | 88.4 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C8-PFOA | IS | | 84.0 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C3-PFHxS | IS | | 94.4 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C9-PFNA | IS | | 91.4 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C2-8:2 FTS | IS | | 91.6 | 40 - 300 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C6-PFDA | IS | | 86.7 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| d3-MeFOSAA | IS | | 66.7 | 40 - 170 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C8-PFOS | IS | | 84.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| d5-EtFOSAA | IS | | 61.6 | 25 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C7-PFUnA | IS | | 82.1 | 30 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C8-PFOSA | IS | | 49.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C2-PFDoA | IS | | 62.1 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| 13C2-PFTeDA | IS | | 56.1 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| d7-MeFOSE | IS | | 25.2 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| d3-MeFOSA | IS | | 20.6 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| d9-EtFOSE | IS | | 21.7 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |
| d5-EtFOSA | IS | | 16.5 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:00 | 1 | |

Sample ID: OPR
EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | | | |
|--------------|----------------|------------------|-----------|-------------|-------------|------------|---------|-----------|-----------|-----------------|----------|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | B24G035-BS2 | | Column: | BEH C18 | | | |
| Analyte | | Amt Found (ng/L) | Spike Amt | % Rec | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution |
| PFBA | | 13.7 | 12.8 | 107 | 70 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFMPA | | 6.86 | 6.40 | 107 | 55 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| 3:3 FTCA | | 14.8 | 16.0 | 92.7 | 65 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFPeA | | 6.75 | 6.40 | 105 | 65 - 135 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFMBA | | 7.06 | 6.40 | 110 | 60 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFBS | | 3.28 | 2.84 | 116 | 60 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| 4:2 FTS | | 12.3 | 12.0 | 103 | 70 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFHxA | | 3.72 | 3.20 | 116 | 70 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFEESA | | 6.88 | 5.68 | 121 | 70 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFPeS | | 3.10 | 3.01 | 103 | 65 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| HFPO-DA | | 12.7 | 12.8 | 98.8 | 70 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| NFDHA | | 7.93 | 6.40 | 124 | 50 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| 5:3 FTCA | | 73.5 | 80.0 | 91.9 | 70 - 135 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFHpA | | 3.23 | 3.20 | 101 | 70 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| ADONA | | 11.6 | 12.1 | 96.1 | 65 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFHxS | | 3.02 | 2.92 | 103 | 65 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| 6:2 FTS | | 12.9 | 12.2 | 106 | 65 - 155 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFOA | | 3.84 | 3.20 | 120 | 70 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFHpS | | 3.23 | 3.05 | 106 | 70 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| 7:3 FTCA | | 61.0 | 80.0 | 76.2 | 50 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFNA | | 4.20 | 3.20 | 131 | 70 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFOSA | | 3.36 | 3.20 | 105 | 70 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFOS | | 2.93 | 2.97 | 98.7 | 55 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| 9Cl-PF3ONS | | 11.9 | 12.0 | 99.2 | 70 - 155 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFDA | | 3.49 | 3.20 | 109 | 70 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| 8:2 FTS | | 12.6 | 12.3 | 103 | 60 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFNS | | 2.97 | 3.08 | 96.4 | 65 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| MeFOSAA | | 3.49 | 3.20 | 109 | 50 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| EtFOSAA | | 3.66 | 3.20 | 114 | 70 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFUnA | | 3.80 | 3.20 | 119 | 70 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFDS | | 2.74 | 3.09 | 88.6 | 60 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| 11Cl-PF3OUdS | | 9.08 | 12.1 | 75.2 | 55 - 160 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFDoA | | 3.52 | 3.20 | 110 | 70 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| MeFOSA | | 3.20 | 3.20 | 100 | 60 - 150 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |

Sample ID: OPR
EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | | | |
|-------------------|----------------|------------------|-----------|-------------|----------|-------------|-----------|-----------------|-----------|-----------------|----------|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | | B24G035-BS2 | | Column: | BEH C18 | | |
| Project: | DB24.1212.00 | | | | | | | | | | |
| Analyte | | Amt Found (ng/L) | Spike Amt | % Rec | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution |
| PFTrDA | | 3.67 | 3.20 | 115 | 65 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFDoS | | 2.09 | 3.10 | 67.2 | 50 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| PFTeDA | | 3.92 | 3.20 | 122 | 60 - 140 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| EtFOSA | | 3.80 | 3.20 | 119 | 65 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| MeFOSE | | 35.2 | 32.0 | 110 | 70 - 145 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| EtFOSE | | 35.4 | 32.0 | 111 | 70 - 135 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 |
| Labeled Standards | Type | % Rec | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | | |
| 13C4-PFBA | IS | 89.2 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C5-PFPeA | IS | 98.9 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C2-4:2 FTS | IS | 92.2 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C3-PFBS | IS | 97.4 | 40 - 135 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C5-PFHxA | IS | 89.7 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C4-PFHxA | IS | 93.1 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C3-HFPO-DA | IS | 92.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C2-6:2 FTS | IS | 87.8 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C8-PFOA | IS | 84.3 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C3-PFHxS | IS | 91.0 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C9-PFNA | IS | 87.8 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C2-8:2 FTS | IS | 90.4 | 40 - 300 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C6-PFDA | IS | 85.9 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| d3-MeFOSAA | IS | 69.1 | 40 - 170 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C8-PFOS | IS | 89.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| d5-EtFOSAA | IS | 62.5 | 25 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C7-PFUnA | IS | 78.8 | 30 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C8-PFOSA | IS | 49.4 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C2-PFDoA | IS | 64.4 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| 13C2-PFTeDA | IS | 50.1 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| d7-MeFOSE | IS | 27.3 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| d3-MeFOSA | IS | 23.1 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| d9-EtFOSE | IS | 24.0 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |
| d5-EtFOSA | IS | 17.2 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.500 L | 11-Jul-24 07:13 | 1 | | |

Sample ID: MW-3

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | |
|--------------|--|-----------------|---|----------------|--|-----------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-01 | Column: | BEH C18 | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>20-Jun-24 11:30<th>Date Received:</th><td>25-Jun-24 10:06<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td></td> | Date Collected: | 20-Jun-24 11:30 <th>Date Received:</th> <td>25-Jun-24 10:06<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td> | Date Received: | 25-Jun-24 10:06 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| PFBA | ND | 6.16 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFMPA | ND | 3.08 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 3:3 FTCA | ND | 7.71 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFPeA | ND | 3.08 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFMBA | ND | 3.08 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFBS | ND | 1.37 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 4:2 FTS | ND | 5.78 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFHxA | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFEESA | ND | 2.75 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFPeS | ND | 1.44 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| HFPO-DA | ND | 6.43 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| NFDHA | ND | 3.08 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 5:3 FTCA | ND | 38.5 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFHpA | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| ADONA | ND | 6.09 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFHxS | ND | 1.41 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 6:2 FTS | ND | 5.85 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFOA | ND | 1.93 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFHpS | ND | 1.46 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 7:3 FTCA | ND | 38.5 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFNA | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFOSA | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFOS | ND | 1.44 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 9Cl-PF3ONS | ND | 6.01 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFDA | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 8:2 FTS | ND | 5.91 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFNS | ND | 1.48 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| MeFOSAA | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| EtFOSAA | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFUnA | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFDS | ND | 1.48 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 11Cl-PF3OUdS | ND | 5.78 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFDoA | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| MeFOSA | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFTrDA | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFDoS | ND | 1.49 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| PFTeDA | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |

Sample ID: MW-3
EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | | |
|-------------------|---|-----------------|---|----------------|-----------------|-----------|-----------------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-01 | Column: | BEH C18 | | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>20-Jun-24 11:30<th>Date Received:</th><td>25-Jun-24 10:06</td><th data-cs="5" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td> | Date Collected: | 20-Jun-24 11:30 <th>Date Received:</th> <td>25-Jun-24 10:06</td> <th data-cs="5" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | Date Received: | 25-Jun-24 10:06 | | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | | |
| EtFOSA | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | | |
| MeFOSE | ND | 15.4 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | | |
| EtFOSE | ND | 15.4 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | | |
| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| 13C4-PFBA | IS | 86.1 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C5-PFPcA | IS | 87.4 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C2-4:2 FTS | IS | 100 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C3-PFBS | IS | 105 | 40 - 135 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C5-PFHxA | IS | 79.0 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C4-PFHpA | IS | 83.7 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C3-HFPO-DA | IS | 81.4 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C2-6:2 FTS | IS | 96.0 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C8-PFOA | IS | 86.1 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C3-PFHxS | IS | 96.8 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C9-PFNA | IS | 95.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C2-8:2 FTS | IS | 90.5 | 40 - 300 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C6-PFDA | IS | 83.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| d3-MeFOSAA | IS | 79.1 | 40 - 170 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C8-PFOS | IS | 81.9 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| d5-EtFOSAA | IS | 70.8 | 25 - 135 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C7-PFUnA | IS | 83.7 | 30 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C8-PFOSA | IS | 76.1 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C2-PFDoA | IS | 67.4 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| 13C2-PFTeDA | IS | 69.7 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| d7-MeFOSE | IS | 53.4 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| d3-MEFOSA | IS | 28.4 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| d9-EtFOSE | IS | 51.3 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |
| d5-EtFOSA | IS | 17.6 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.519 L | 13-Jul-24 21:07 | 1 | |

RL - Reporting limit

Results reported to RL.

Sample ID: MW-2

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | |
|--------------|---|-----------------|--|----------------|-----------------|-----------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-02 | Column: | BEH C18 | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>20-Jun-24 12:15<th>Date Received:</th><td>25-Jun-24 10:06</td><td></td><td></td><td></td><td></td></td> | Date Collected: | 20-Jun-24 12:15 <th>Date Received:</th> <td>25-Jun-24 10:06</td> <td></td> <td></td> <td></td> <td></td> | Date Received: | 25-Jun-24 10:06 | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| PFBA | ND | 5.99 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFMPA | ND | 2.99 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 3:3 FTCA | ND | 7.49 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFPeA | ND | 2.99 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFMBA | ND | 2.99 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFBS | ND | 1.33 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 4:2 FTS | ND | 5.62 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFHxA | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFEESA | ND | 2.67 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFPeS | ND | 1.40 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| HFPO-DA | ND | 6.25 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| NFDHA | ND | 2.99 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 5:3 FTCA | ND | 37.4 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFHpA | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| ADONA | ND | 5.91 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFHxS | ND | 1.37 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 6:2 FTS | ND | 5.68 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFOA | ND | 1.87 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFHpS | ND | 1.42 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 7:3 FTCA | ND | 37.4 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFNA | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFOSA | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFOS | ND | 1.39 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 9Cl-PF3ONS | ND | 5.84 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFDA | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 8:2 FTS | ND | 5.75 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFNS | ND | 1.44 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| MeFOSAA | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| EtFOSAA | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFUnA | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFDS | ND | 1.44 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 11Cl-PF3OUdS | ND | 5.62 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFDoA | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| MeFOSA | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFTrDA | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFDoS | ND | 1.45 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| PFTeDA | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |

Sample ID: MW-2

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | | |
|-------------------|---|-----------------|---|----------------|-----------------|-----------|-----------------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-02 | Column: | BEH C18 | | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>20-Jun-24 12:15<th>Date Received:</th><td>25-Jun-24 10:06</td><th data-cs="5" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td> | Date Collected: | 20-Jun-24 12:15 <th>Date Received:</th> <td>25-Jun-24 10:06</td> <th data-cs="5" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | Date Received: | 25-Jun-24 10:06 | | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | | |
| EtFOSA | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | | |
| MeFOSE | ND | 15.0 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | | |
| EtFOSE | ND | 15.0 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | | |
| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| 13C4-PFBA | IS | 87.6 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C5-PFPcA | IS | 95.3 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C2-4:2 FTS | IS | 97.3 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C3-PFBS | IS | 101 | 40 - 135 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C5-PFHxA | IS | 83.0 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C4-PFHpA | IS | 89.0 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C3-HFPO-DA | IS | 86.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C2-6:2 FTS | IS | 94.1 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C8-PFOA | IS | 93.3 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C3-PFHxS | IS | 96.8 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C9-PFNA | IS | 95.2 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C2-8:2 FTS | IS | 98.1 | 40 - 300 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C6-PFDA | IS | 87.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| d3-MeFOSAA | IS | 93.3 | 40 - 170 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C8-PFOS | IS | 97.9 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| d5-EtFOSAA | IS | 87.0 | 25 - 135 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C7-PFUnA | IS | 87.3 | 30 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C8-PFOSA | IS | 81.0 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C2-PFDoA | IS | 67.3 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| 13C2-PFTeDA | IS | 75.3 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| d7-MeFOSE | IS | 34.7 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| d3-MEFOSA | IS | 32.1 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| d9-EtFOSE | IS | 32.6 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |
| d5-EtFOSA | IS | 23.8 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.534 L | 16-Jul-24 16:57 | 1 | |

RL - Reporting limit

Results reported to RL.

Sample ID: Field Blank
EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | |
|--------------|--|-----------------|---|----------------|--|-----------|-----------------|----------|--|
| Name: | Hazen & Sawyer <th>Matrix:</th> <td>Aqueous</td> <th>Lab Sample:</th> <td>2406188-03</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th> | Matrix: | Aqueous | Lab Sample: | 2406188-03 | Column: | BEH C18 | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>20-Jun-24 12:25<th>Date Received:</th><td>25-Jun-24 10:06<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td></td> | Date Collected: | 20-Jun-24 12:25 <th>Date Received:</th> <td>25-Jun-24 10:06<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td> | Date Received: | 25-Jun-24 10:06 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| PFBA | ND | 6.56 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFMPA | ND | 3.28 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| 3:3 FTCA | ND | 8.20 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFPeA | ND | 3.28 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFMBA | ND | 3.28 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFBS | ND | 1.46 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| 4:2 FTS | ND | 6.15 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFHxA | ND | 1.64 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFEESA | ND | 2.92 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFPeS | ND | 1.54 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| HFPO-DA | ND | 6.85 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| NFDHA | ND | 3.28 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| 5:3 FTCA | ND | 41.0 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFHpA | ND | 1.64 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| ADONA | ND | 6.48 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFHxS | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| 6:2 FTS | ND | 6.22 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFOA | ND | 2.05 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFHpS | ND | 1.56 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| 7:3 FTCA | ND | 41.0 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFNA | ND | 1.64 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFOSA | ND | 1.64 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFOS | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| 9Cl-PF3ONS | ND | 6.40 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFDA | ND | 1.64 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| 8:2 FTS | ND | 6.29 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFNS | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| MeFOSAA | ND | 1.64 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| EtFOSAA | ND | 1.64 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFUnA | ND | 1.64 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFDS | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| 11Cl-PF3OUdS | ND | 6.15 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFDoA | ND | 1.64 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| MeFOSA | ND | 1.64 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFTrDA | ND | 1.64 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFDoS | ND | 1.59 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |
| PFTeDA | ND | 1.64 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 | |

| Sample ID: Field Blank | | | | | | | | EPA Method 1633 | | |
|------------------------|----------------|-----------------|-----------------|-----------------|-----------------|---------|-----------|-----------------|-----------------|----------|
| Client Data | | | | Laboratory Data | | | | | | |
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-03 | Column: | BEH C18 | | | |
| Project: | DB24.1212.00 | Date Collected: | 20-Jun-24 12:25 | Date Received: | 25-Jun-24 10:06 | | | | | |
| Analyte | Conc. (ng/L) | | | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution |
| EtFOSA | ND | | | 1.64 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| MeFOSE | ND | | | 16.4 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| EtFOSE | ND | | | 16.4 | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| Labeled Standards | Type | % Recovery | Limits | | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution |
| 13C4-PFBA | IS | 85.7 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C5-PFPcA | IS | 84.7 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C2-4:2 FTS | IS | 94.9 | 40 - 200 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C3-PFBS | IS | 97.0 | 40 - 135 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C5-PFHxA | IS | 77.7 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C4-PFHpA | IS | 84.0 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C3-HFPO-DA | IS | 76.3 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C2-6:2 FTS | IS | 88.6 | 40 - 200 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C8-PFOA | IS | 82.0 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C3-PFHxS | IS | 94.6 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C9-PFNA | IS | 83.0 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C2-8:2 FTS | IS | 87.2 | 40 - 300 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C6-PFDA | IS | 80.2 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| d3-MeFOSAA | IS | 83.0 | 40 - 170 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C8-PFOS | IS | 93.0 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| d5-EtFOSAA | IS | 72.7 | 25 - 135 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C7-PFUnA | IS | 84.3 | 30 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C8-PFOSA | IS | 53.1 | 40 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C2-PFDoA | IS | 64.8 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| 13C2-PFTeDA | IS | 60.0 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| d7-MeFOSE | IS | 30.7 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| d3-MEFOSA | IS | 23.7 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| d9-EtFOSE | IS | 27.4 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |
| d5-EtFOSA | IS | 20.0 | 10 - 130 | | | B24G035 | 08-Jul-24 | 0.488 L | 16-Jul-24 17:11 | 1 |

RL - Reporting limit

Results reported to RL.

Sample ID: MW-5

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | |
|--------------|---|-----------------|--|----------------|-----------------|-----------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-04 | Column: | BEH C18 | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>20-Jun-24 12:55<th>Date Received:</th><td>25-Jun-24 10:06</td><td></td><td></td><td></td><td></td></td> | Date Collected: | 20-Jun-24 12:55 <th>Date Received:</th> <td>25-Jun-24 10:06</td> <td></td> <td></td> <td></td> <td></td> | Date Received: | 25-Jun-24 10:06 | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| PFBA | ND | 6.10 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFMPA | ND | 3.05 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 3:3 FTCA | ND | 7.62 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFPeA | ND | 3.05 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFMBA | ND | 3.05 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFBS | ND | 1.35 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 4:2 FTS | ND | 5.72 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFHxA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFEESA | ND | 2.72 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFPeS | ND | 1.43 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| HFPO-DA | ND | 6.36 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| NFDHA | ND | 3.05 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 5:3 FTCA | ND | 38.1 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFHpA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| ADONA | ND | 6.02 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFHxS | ND | 1.39 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 6:2 FTS | ND | 5.78 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFOA | ND | 1.91 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFHpS | ND | 1.45 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 7:3 FTCA | ND | 38.1 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFNA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFOSA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFOS | ND | 1.42 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 9Cl-PF3ONS | ND | 5.94 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFDA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 8:2 FTS | ND | 5.85 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFNS | ND | 1.47 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| MeFOSAA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| EtFOSAA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFUnA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFDS | ND | 1.47 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 11Cl-PF3OUdS | ND | 5.72 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFDoA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| MeFOSA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFTrDA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFDoS | ND | 1.48 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| PFTeDA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |

Sample ID: MW-5

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | | |
|-------------------|---|-----------------|---|----------------|-----------------|-----------|-----------------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-04 | Column: | BEH C18 | | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>20-Jun-24 12:55<th>Date Received:</th><td>25-Jun-24 10:06</td><th data-cs="5" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td> | Date Collected: | 20-Jun-24 12:55 <th>Date Received:</th> <td>25-Jun-24 10:06</td> <th data-cs="5" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | Date Received: | 25-Jun-24 10:06 | | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | | |
| EtFOSA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | | |
| MeFOSE | ND | 15.2 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | | |
| EtFOSE | ND | 15.2 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | | |
| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| 13C4-PFBA | IS | 36.0 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C5-PFPcA | IS | 99.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C2-4:2 FTS | IS | 93.5 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C3-PFBS | IS | 98.8 | 40 - 135 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C5-PFHxA | IS | 89.4 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C4-PFHpA | IS | 92.0 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C3-HFPO-DA | IS | 92.7 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C2-6:2 FTS | IS | 90.4 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C8-PFOA | IS | 88.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C3-PFHxS | IS | 94.0 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C9-PFNA | IS | 90.1 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C2-8:2 FTS | IS | 93.3 | 40 - 300 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C6-PFDA | IS | 88.1 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| d3-MeFOSAA | IS | 82.6 | 40 - 170 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C8-PFOS | IS | 95.0 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| d5-EtFOSAA | IS | 76.7 | 25 - 135 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C7-PFUnA | IS | 88.9 | 30 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C8-PFOSA | IS | 77.9 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C2-PFDoA | IS | 75.8 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| 13C2-PFTeDA | IS | 66.1 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| d7-MeFOSE | IS | 32.6 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| d3-MEFOSA | IS | 34.4 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| d9-EtFOSE | IS | 29.9 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |
| d5-EtFOSA | IS | 23.0 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.525 L | 11-Jul-24 09:15 | 1 | |

RL - Reporting limit

Results reported to RL.

Sample ID: MW-8

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | |
|--------------|--|-----------------|---|----------------|--|-----------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-05 | Column: | BEH C18 | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>20-Jun-24 12:55<th>Date Received:</th><td>25-Jun-24 10:06<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td></td> | Date Collected: | 20-Jun-24 12:55 <th>Date Received:</th> <td>25-Jun-24 10:06<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td> | Date Received: | 25-Jun-24 10:06 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| PFBA | ND | 6.07 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFMPA | ND | 3.04 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 3:3 FTCA | ND | 7.59 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFPeA | ND | 3.04 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFMBA | ND | 3.04 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFBS | ND | 1.35 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 4:2 FTS | ND | 5.69 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFHxA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFEESA | ND | 2.70 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFPeS | ND | 1.42 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| HFPO-DA | ND | 6.34 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| NFDHA | ND | 3.04 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 5:3 FTCA | ND | 37.9 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFHpA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| ADONA | ND | 5.99 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFHxS | ND | 1.38 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 6:2 FTS | ND | 5.76 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFOA | ND | 1.90 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFHpS | ND | 1.44 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 7:3 FTCA | ND | 37.9 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFNA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFOSA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFOS | ND | 1.41 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 9Cl-PF3ONS | ND | 5.92 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFDA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 8:2 FTS | ND | 5.82 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFNS | ND | 1.46 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| MeFOSAA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| EtFOSAA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFUnA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFDS | ND | 1.46 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 11Cl-PF3OUdS | ND | 5.69 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFDoA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| MeFOSA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFTrDA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFDoS | ND | 1.47 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| PFTeDA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |

Sample ID: MW-8

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | | |
|-------------------|---|-----------------|---|----------------|-----------------|-----------|-----------------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-05 | Column: | BEH C18 | | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>20-Jun-24 12:55<th>Date Received:</th><td>25-Jun-24 10:06</td><th data-cs="5" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td> | Date Collected: | 20-Jun-24 12:55 <th>Date Received:</th> <td>25-Jun-24 10:06</td> <th data-cs="5" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | Date Received: | 25-Jun-24 10:06 | | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | | |
| EtFOSA | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | | |
| MeFOSE | ND | 15.2 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | | |
| EtFOSE | ND | 15.2 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | | |
| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| 13C4-PFBA | IS | 90.6 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C5-PFPcA | IS | 103 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C2-4:2 FTS | IS | 92.5 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C3-PFBS | IS | 108 | 40 - 135 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C5-PFHxA | IS | 95.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C4-PFHpA | IS | 95.4 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C3-HFPO-DA | IS | 94.8 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C2-6:2 FTS | IS | 92.9 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C8-PFOA | IS | 89.8 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C3-PFHxS | IS | 96.3 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C9-PFNA | IS | 98.0 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C2-8:2 FTS | IS | 89.2 | 40 - 300 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C6-PFDA | IS | 99.0 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| d3-MeFOSAA | IS | 84.8 | 40 - 170 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C8-PFOS | IS | 96.1 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| d5-EtFOSAA | IS | 83.0 | 25 - 135 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C7-PFUnA | IS | 100 | 30 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C8-PFOSA | IS | 79.7 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C2-PFDoA | IS | 80.6 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| 13C2-PFTeDA | IS | 70.2 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| d7-MeFOSE | IS | 31.9 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| d3-MEFOSA | IS | 32.8 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| d9-EtFOSE | IS | 29.5 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |
| d5-EtFOSA | IS | 22.2 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.527 L | 11-Jul-24 09:29 | 1 | |

RL - Reporting limit

Results reported to RL.

Sample ID: MW-7

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | |
|--------------|--|-----------------|---|----------------|--|-----------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-06 | Column: | BEH C18 | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>20-Jun-24 13:30<th>Date Received:</th><td>25-Jun-24 10:06<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td></td> | Date Collected: | 20-Jun-24 13:30 <th>Date Received:</th> <td>25-Jun-24 10:06<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td> | Date Received: | 25-Jun-24 10:06 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| PFBA | ND | 6.34 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFMPA | ND | 3.17 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| 3:3 FTCA | ND | 7.92 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFPeA | ND | 3.17 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFMBA | ND | 3.17 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFBS | ND | 1.41 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| 4:2 FTS | ND | 5.94 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFHxA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFEESA | ND | 2.82 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFPeS | ND | 1.49 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| HFPO-DA | ND | 6.61 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| NFDHA | ND | 3.17 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| 5:3 FTCA | ND | 39.6 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFHpA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| ADONA | ND | 6.26 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFHxS | ND | 1.45 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| 6:2 FTS | ND | 6.01 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFOA | ND | 1.98 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFHpS | ND | 1.51 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| 7:3 FTCA | ND | 39.6 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFNA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFOSA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFOS | ND | 1.48 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| 9Cl-PF3ONS | ND | 6.18 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFDA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| 8:2 FTS | ND | 6.08 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFNS | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| MeFOSAA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| EtFOSAA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFUnA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFDS | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| 11Cl-PF3OUdS | ND | 5.94 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFDoA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| MeFOSA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFTrDA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFDoS | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| PFTeDA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |

Sample ID: MW-7

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | |
|-------------------|---|-----------------|--|----------------|-----------------|-----------|-----------------|-----------------|----------|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-06 | Column: | BEH C18 | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>20-Jun-24 13:30<th>Date Received:</th><td>25-Jun-24 10:06</td><td></td><td></td><td></td><td></td></td> | Date Collected: | 20-Jun-24 13:30 <th>Date Received:</th> <td>25-Jun-24 10:06</td> <td></td> <td></td> <td></td> <td></td> | Date Received: | 25-Jun-24 10:06 | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| EtFOSA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| MeFOSE | ND | 15.8 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| EtFOSE | ND | 15.8 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 | |
| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution |
| 13C4-PFBA | IS | 31.2 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C5-PFPcA | IS | 87.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C2-4:2 FTS | IS | 79.2 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C3-PFBS | IS | 89.6 | 40 - 135 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C5-PFHxA | IS | 82.1 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C4-PFHpA | IS | 83.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C3-HFPO-DA | IS | 80.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C2-6:2 FTS | IS | 78.6 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C8-PFOA | IS | 81.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C3-PFHxS | IS | 83.7 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C9-PFNA | IS | 80.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C2-8:2 FTS | IS | 76.3 | 40 - 300 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C6-PFDA | IS | 77.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| d3-MeFOSAA | IS | 80.4 | 40 - 170 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C8-PFOS | IS | 82.7 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| d5-EtFOSAA | IS | 70.3 | 25 - 135 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C7-PFUnA | IS | 83.0 | 30 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C8-PFOSA | IS | 71.4 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C2-PFDoA | IS | 63.4 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| 13C2-PFTeDA | IS | 58.5 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| d7-MeFOSE | IS | 29.2 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| d3-MEFOSA | IS | 30.7 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| d9-EtFOSE | IS | 26.8 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |
| d5-EtFOSA | IS | 21.5 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.505 L | 11-Jul-24 09:42 | 1 |

RL - Reporting limit

Results reported to RL.

Sample ID: MW-6

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | |
|--------------|---|-----------------|--|----------------|-----------------|-----------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-07 | Column: | BEH C18 | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>21-Jun-24 11:00<th>Date Received:</th><td>25-Jun-24 10:06</td><td></td><td></td><td></td><td></td></td> | Date Collected: | 21-Jun-24 11:00 <th>Date Received:</th> <td>25-Jun-24 10:06</td> <td></td> <td></td> <td></td> <td></td> | Date Received: | 25-Jun-24 10:06 | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| PFBA | ND | 6.14 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFMPA | ND | 3.07 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| 3:3 FTCA | ND | 7.67 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFPeA | ND | 3.07 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFMBA | ND | 3.07 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFBS | ND | 1.36 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| 4:2 FTS | ND | 5.76 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFHxA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFEESA | ND | 2.73 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFPeS | ND | 1.44 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| HFPO-DA | ND | 6.41 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| NFDHA | ND | 3.07 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| 5:3 FTCA | ND | 38.4 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFHpA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| ADONA | ND | 6.06 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFHxS | ND | 1.40 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| 6:2 FTS | ND | 5.82 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFOA | ND | 1.92 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFHpS | ND | 1.46 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| 7:3 FTCA | ND | 38.4 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFNA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFOSA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFOS | ND | 1.43 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| 9Cl-PF3ONS | ND | 5.99 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFDA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| 8:2 FTS | ND | 5.89 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFNS | ND | 1.48 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| MeFOSAA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| EtFOSAA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFUnA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFDS | ND | 1.48 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| 11Cl-PF3OUdS | ND | 5.76 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFDoA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| MeFOSA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFTrDA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFDoS | ND | 1.49 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| PFTeDA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |

Sample ID: MW-6

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | |
|-------------------|----------------|-----------------|-----------------|------------------------|-----------------|-----------|-----------------|-----------------|----------|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: 2406188-07 | | | | Column: | BEH C18 |
| Project: | DB24.1212.00 | Date Collected: | 21-Jun-24 11:00 | Date Received: | 25-Jun-24 10:06 | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| EtFOSA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| MeFOSE | ND | 15.3 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| EtFOSE | ND | 15.3 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 | |
| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution |
| 13C4-PFBA | IS | 87.4 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C5-PFPcA | IS | 99.9 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C2-4:2 FTS | IS | 88.5 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C3-PFBS | IS | 95.5 | 40 - 135 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C5-PFHxA | IS | 90.8 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C4-PFHpA | IS | 95.1 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C3-HFPO-DA | IS | 92.7 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C2-6:2 FTS | IS | 88.1 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C8-PFOA | IS | 89.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C3-PFHxS | IS | 94.9 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C9-PFNA | IS | 85.9 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C2-8:2 FTS | IS | 84.0 | 40 - 300 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C6-PFDA | IS | 92.8 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| d3-MeFOSAA | IS | 82.2 | 40 - 170 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C8-PFOS | IS | 94.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| d5-EtFOSAA | IS | 78.6 | 25 - 135 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C7-PFUnA | IS | 95.5 | 30 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C8-PFOSA | IS | 75.1 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C2-PFDoA | IS | 80.6 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| 13C2-PFTeDA | IS | 73.4 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| d7-MeFOSE | IS | 54.6 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| d3-MEFOSA | IS | 34.9 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| d9-EtFOSE | IS | 53.8 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |
| d5-EtFOSA | IS | 24.7 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.521 L | 11-Jul-24 09:56 | 1 |

RL - Reporting limit

Results reported to RL.

Sample ID: MW-1

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | |
|--------------|--|-----------------|---|----------------|--|-----------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-08 | Column: | BEH C18 | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>21-Jun-24 12:20<th>Date Received:</th><td>25-Jun-24 10:06<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td></td> | Date Collected: | 21-Jun-24 12:20 <th>Date Received:</th> <td>25-Jun-24 10:06<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td> | Date Received: | 25-Jun-24 10:06 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| PFBA | 10.6 | 6.31 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFMPA | ND | 3.15 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 3:3 FTCA | ND | 7.88 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFPeA | 21.7 | 3.15 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFMBA | ND | 3.15 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFBS | 14.2 | 1.40 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 4:2 FTS | ND | 5.91 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFHxA | 21.1 | 1.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFEESA | ND | 2.81 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFPeS | 2.24 | 1.48 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| HFPO-DA | ND | 6.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| NFDHA | ND | 3.15 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 5:3 FTCA | ND | 39.4 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFHpA | 4.13 | 1.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| ADONA | ND | 6.23 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFHxS | 7.16 | 1.44 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 6:2 FTS | ND | 5.98 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFOA | 7.03 | 1.97 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFHpS | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 7:3 FTCA | ND | 39.4 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFNA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFOSA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFOS | ND | 1.47 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 9Cl-PF3ONS | ND | 6.15 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFDA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 8:2 FTS | ND | 6.05 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFNS | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| MeFOSAA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| EtFOSAA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFUnA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFDS | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 11Cl-PF3OUdS | ND | 5.91 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFDoA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| MeFOSA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFTrDA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFDoS | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| PFTeDA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |

Sample ID: MW-1
EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | | |
|-------------------|---|-----------------|---|----------------|-----------------|-----------|-----------------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-08 | Column: | BEH C18 | | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>21-Jun-24 12:20<th>Date Received:</th><td>25-Jun-24 10:06</td><th data-cs="5" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td> | Date Collected: | 21-Jun-24 12:20 <th>Date Received:</th> <td>25-Jun-24 10:06</td> <th data-cs="5" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | Date Received: | 25-Jun-24 10:06 | | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | | |
| EtFOSA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | | |
| MeFOSE | ND | 15.8 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | | |
| EtFOSE | ND | 15.8 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | | |
| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| 13C4-PFBA | IS | 71.2 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C5-PFPcA | IS | 95.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C2-4:2 FTS | IS | 84.9 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C3-PFBS | IS | 85.9 | 40 - 135 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C5-PFHxA | IS | 83.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C4-PFHpA | IS | 87.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C3-HFPO-DA | IS | 84.3 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C2-6:2 FTS | IS | 80.7 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C8-PFOA | IS | 83.8 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C3-PFHxS | IS | 86.4 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C9-PFNA | IS | 88.9 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C2-8:2 FTS | IS | 78.9 | 40 - 300 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C6-PFDA | IS | 88.3 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| d3-MeFOSAA | IS | 76.0 | 40 - 170 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C8-PFOS | IS | 82.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| d5-EtFOSAA | IS | 72.5 | 25 - 135 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C7-PFUnA | IS | 95.5 | 30 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C8-PFOSA | IS | 65.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C2-PFDoA | IS | 76.7 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| 13C2-PFTeDA | IS | 66.5 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| d7-MeFOSE | IS | 39.1 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| d3-MEFOSA | IS | 24.6 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| d9-EtFOSE | IS | 36.9 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |
| d5-EtFOSA | IS | 19.0 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.508 L | 11-Jul-24 10:09 | 1 | |

RL - Reporting limit

Results reported to RL.

Sample ID: Field Blank
EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | |
|--------------|--|-----------------|---|----------------|--|-----------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-09 | Column: | BEH C18 | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>21-Jun-24 11:10<th>Date Received:</th><td>25-Jun-24 10:06<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td></td> | Date Collected: | 21-Jun-24 11:10 <th>Date Received:</th> <td>25-Jun-24 10:06<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td> | Date Received: | 25-Jun-24 10:06 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| PFBA | ND | 6.32 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFMPA | ND | 3.16 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 3:3 FTCA | ND | 7.90 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFPeA | ND | 3.16 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFMBA | ND | 3.16 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFBS | ND | 1.40 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 4:2 FTS | ND | 5.92 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFHxA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFEESA | ND | 2.81 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFPeS | ND | 1.48 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| HFPO-DA | ND | 6.60 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| NFDHA | ND | 3.16 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 5:3 FTCA | ND | 39.5 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFHpA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| ADONA | ND | 6.24 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFHxS | ND | 1.44 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 6:2 FTS | ND | 5.99 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFOA | ND | 1.97 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFHpS | ND | 1.50 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 7:3 FTCA | ND | 39.5 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFNA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFOSA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFOS | ND | 1.47 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 9Cl-PF3ONS | ND | 6.16 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFDA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 8:2 FTS | ND | 6.06 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFNS | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| MeFOSAA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| EtFOSAA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFUnA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFDS | ND | 1.52 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 11Cl-PF3OUdS | ND | 5.92 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFDoA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| MeFOSA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFTrDA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFDoS | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| PFTeDA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |

Sample ID: Field Blank
EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | | |
|-------------------|---|-----------------|---|----------------|-----------------|-----------|-----------------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-09 | Column: | BEH C18 | | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>21-Jun-24 11:10<th>Date Received:</th><td>25-Jun-24 10:06</td><th data-cs="5" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td> | Date Collected: | 21-Jun-24 11:10 <th>Date Received:</th> <td>25-Jun-24 10:06</td> <th data-cs="5" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | Date Received: | 25-Jun-24 10:06 | | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | | |
| EtFOSA | ND | 1.58 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | | |
| MeFOSE | ND | 15.8 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | | |
| EtFOSE | ND | 15.8 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | | |
| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| 13C4-PFBA | IS | 89.8 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C5-PFPcA | IS | 91.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C2-4:2 FTS | IS | 91.0 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C3-PFBS | IS | 95.2 | 40 - 135 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C5-PFHxA | IS | 84.9 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C4-PFHpA | IS | 87.4 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C3-HFPO-DA | IS | 82.5 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C2-6:2 FTS | IS | 85.6 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C8-PFOA | IS | 86.3 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C3-PFHxS | IS | 89.9 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C9-PFNA | IS | 83.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C2-8:2 FTS | IS | 84.9 | 40 - 300 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C6-PFDA | IS | 86.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| d3-MeFOSAA | IS | 84.8 | 40 - 170 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C8-PFOS | IS | 93.8 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| d5-EtFOSAA | IS | 78.6 | 25 - 135 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C7-PFUnA | IS | 94.2 | 30 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C8-PFOSA | IS | 56.7 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C2-PFDoA | IS | 74.9 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| 13C2-PFTeDA | IS | 66.1 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| d7-MeFOSE | IS | 31.9 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| d3-MEFOSA | IS | 26.7 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| d9-EtFOSE | IS | 28.5 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |
| d5-EtFOSA | IS | 20.6 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.506 L | 11-Jul-24 10:23 | 1 | |

RL - Reporting limit

Results reported to RL.

Sample ID: MW-4

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | |
|--------------|---|-----------------|--|----------------|-----------------|-----------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-10 | Column: | BEH C18 | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>21-Jun-24 13:00<th>Date Received:</th><td>25-Jun-24 10:06</td><td></td><td></td><td></td><td></td></td> | Date Collected: | 21-Jun-24 13:00 <th>Date Received:</th> <td>25-Jun-24 10:06</td> <td></td> <td></td> <td></td> <td></td> | Date Received: | 25-Jun-24 10:06 | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| PFBA | ND | 6.12 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFMPA | ND | 3.06 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 3:3 FTCA | ND | 7.65 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFPeA | ND | 3.06 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFMBA | ND | 3.06 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFBS | 2.67 | 1.36 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 4:2 FTS | ND | 5.74 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFHxA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFEESA | ND | 2.72 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFPeS | ND | 1.43 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| HFPO-DA | ND | 6.39 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| NFDHA | ND | 3.06 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 5:3 FTCA | ND | 38.2 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFHpA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| ADONA | ND | 6.04 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFHxS | ND | 1.40 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 6:2 FTS | ND | 5.80 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFOA | ND | 1.91 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFHpS | ND | 1.45 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 7:3 FTCA | ND | 38.2 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFNA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFOSA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFOS | ND | 1.42 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 9Cl-PF3ONS | ND | 5.97 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFDA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 8:2 FTS | ND | 5.87 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFNS | ND | 1.47 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| MeFOSAA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| EtFOSAA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFUnA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFDS | ND | 1.47 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 11Cl-PF3OUdS | ND | 5.74 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFDoA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| MeFOSA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFTrDA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFDoS | ND | 1.48 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| PFTeDA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |

Sample ID: MW-4

EPA Method 1633

| Client Data | | Laboratory Data | | | | | | | | |
|-------------------|---|-----------------|---|----------------|-----------------|-----------|-----------------|-----------------|----------|--|
| Name: | Hazen & Sawyer | Matrix: | Aqueous | Lab Sample: | 2406188-10 | Column: | BEH C18 | | | |
| Project: | DB24.1212.00 <th>Date Collected:</th> <td>21-Jun-24 13:00<th>Date Received:</th><td>25-Jun-24 10:06</td><th data-cs="5" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td> | Date Collected: | 21-Jun-24 13:00 <th>Date Received:</th> <td>25-Jun-24 10:06</td> <th data-cs="5" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> | Date Received: | 25-Jun-24 10:06 | | | | | |
| Analyte | Conc. (ng/L) | RL | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | | |
| EtFOSA | ND | 1.53 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | | |
| MeFOSE | ND | 15.3 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | | |
| EtFOSE | ND | 15.3 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | | |
| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Batch | Extracted | Samp Size | Analyzed | Dilution | |
| 13C4-PFBA | IS | 96.2 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C5-PFPcA | IS | 102 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C2-4:2 FTS | IS | 89.4 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C3-PFBS | IS | 100 | 40 - 135 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C5-PFHxA | IS | 91.2 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C4-PFHpA | IS | 93.7 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C3-HFPO-DA | IS | 90.9 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C2-6:2 FTS | IS | 84.4 | 40 - 200 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C8-PFOA | IS | 93.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C3-PFHxS | IS | 91.0 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C9-PFNA | IS | 94.2 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C2-8:2 FTS | IS | 90.5 | 40 - 300 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C6-PFDA | IS | 92.4 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| d3-MeFOSAA | IS | 82.4 | 40 - 170 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C8-PFOS | IS | 96.1 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| d5-EtFOSAA | IS | 80.7 | 25 - 135 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C7-PFUnA | IS | 94.6 | 30 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C8-PFOSA | IS | 70.6 | 40 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C2-PFDoA | IS | 75.7 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| 13C2-PFTeDA | IS | 66.7 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| d7-MeFOSE | IS | 33.1 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| d3-MeFOSA | IS | 25.7 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| d9-EtFOSE | IS | 32.4 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |
| d5-EtFOSA | IS | 18.4 | 10 - 130 | | B24G035 | 08-Jul-24 | 0.523 L | 11-Jul-24 10:36 | 1 | |

RL - Reporting limit

Results reported to RL.

DATA QUALIFIERS & ABBREVIATIONS

For EPA 1633

| | |
|---------|--|
| B | This compound was also detected in the method blank |
| Conc. | Concentration |
| CRS | Cleanup Recovery Standard |
| D | Dilution |
| DL | Detection Limit |
| E | The associated compound concentration exceeded the calibration range of the instrument |
| I | Ion transition ratio is outside of the acceptance criteria. |
| IS | Internal Standard |
| J | The amount detected is below the Reporting Limit/LOQ |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| M | Estimated Maximum Possible Concentration (CA Region 2 projects only) |
| MDL | Method Detection Limit |
| NA | Not applicable |
| ND | Not Detected |
| OPR | Ongoing Precision and Recovery sample |
| P | The reported concentration may include contribution from chlorinated diphenyl ether(s). |
| Q | Recovery and/or RPD was outside laboratory acceptance limits |
| RL | Reporting Limit |
| RL | For 537.1, the reported RLs are the MRLs. |
| TEQ | Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations. |
| TEQMax | TEQ calculation that uses the detection limit as the concentration for non-detects |
| TEQMin | TEQ calculation that uses zero as the concentration for non-detects |
| TEQRisk | TEQ calculation that uses $\frac{1}{2}$ the detection limit as the concentration for non-detects |
| U | Not Detected (specific projects only) |
| * | See Cover Letter |

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

| Accrediting Authority | Certificate Number |
|---|--------------------|
| Alaska Department of Environmental Conservation | 17-013 |
| Arkansas Department of Environmental Quality | 21-023-0 |
| California Department of Health – ELAP | 2892 |
| DoD ELAP - A2LA Accredited - ISO/IEC 17025 | 3091.01 |
| Florida Department of Health | E87777 |
| Hawaii Department of Health | N/A |
| Louisiana Department of Environmental Quality | 01977 |
| Maine Department of Health | 2020018 |
| Michigan Department of Environmental Quality | 9932 |
| Minnesota Department of Health | 2211390 |
| Nevada Division of Environmental Protection | CA00413 |
| New Hampshire Environmental Accreditation Program | 207721 |
| New Jersey Department of Environmental Protection | CA003 |
| New York Department of Health | 11411 |
| Ohio Environmental Protection Agency | 87778 |
| Oregon Laboratory Accreditation Program | 4042-021 |
| Texas Commission on Environmental Quality | T104704189-22-13 |
| Vermont Department of Health | VT-4042 |
| Virginia Department of General Services | 11276 |
| Washington Department of Ecology | C584 |
| Wisconsin Department of Natural Resources | 998036160 |

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.



CHAIN OF CUSTODY

PFAS Methods

| | |
|-------------------------|---|
| For Laboratory Use Only | |
| Work Order #: | 2406188 |
| Temp: | 64 °C |
| Storage ID: | R13, WR-1, INF-2 |
| Storage Secured | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

Project ID: 0824.1212.00 PO#: _____ Sampler: J. FISHER
 (name) _____

Invoice to: Name AMY EWING Company Hazardous Address _____ City _____ State _____ Phone # _____

Relinquished by (printed name and signature) Jerome Fisher Date 6/24/24 Time 1500 Received by (printed name and signature) Rebekah Buntian Date 06/25/2024 Time 1006

Relinquished by (printed name and signature) Jerome Fisher Date 6/24/24 Time 1500 Received by (printed name and signature) Rebekah Buntian Date 06/25/2024 Time 1006

SHIP TO: Enthalpy Analytical - EDH
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520

ATTN: Customer Relations

Method of Shipment:

UPS

Tracking No.:

| Sample ID | Date | Time | Location/ Sample Description | Add Analysis(es) Requested | | | | | | Requirements: | | | |
|-------------|---------|------|---------------------------------|----------------------------|----------|------|--------|--------------------------|----------------|--------------------|--------|--------------------------|----------------|
| | | | | Container(s) | Quantity | Type | Matrix | PFAS by Isotope Dilution | EPA 1633-Draft | DOD QSM Table B-15 | Other: | PFAS by Isotope Dilution | Drinking Water |
| MW-3 | 6/20/24 | 1130 | | 3 | 42 | AQ | | X | | | | | |
| MW-2 | | 1215 | | | | | | X | | | | | |
| FIELD BLANK | | 1225 | | | | | | X | | | | | |
| MW-5 | | 1255 | | | | | | X | | | | | |
| MW-8 | | 1255 | | | | | | X | | | | | |
| MW-7 | ✓ | 1330 | | | | | | X | | | | | |
| MW-6 | 6/21/24 | 1100 | | | | | | | | | | | |
| MW-1 | | 1220 | | | | | | X | | | | | |
| FIELD BLANK | | 1110 | | | | | | X | | | | | |
| MW-4 | ✓ | 1300 | | | | | | X | | | | | |

Other Instructions/ Comments:

SEND
DOCUMENTATION
AND RESULTS TO:

Name: Patricia Feltman
 Company: DBSA
 Address: 6220 Academy NE Suite 100
 City: Albuquerque State: NM Zip: 87109
 Phone: 505-822-9400
 Email: p.feltman@geo-logic.com

Container Types: P = HDPE, PJ = HDPE Jar

PY = Polypropylene, O = Other: _____

Bottle Preservation Type:

TZ = Trizma: _____ AA = Amm. Acetate: _____

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, SD = Sediment, T = Tissue

SL = Sludge, SO = Soil, WW = Wastewater, O = Other: _____

ID: LR-COC

Rev. No. 2

Rev. Date: 1/2/2023

Page: 1 of 1

Sample Log-In Checklist

 Page # 1 of 1

 Work Order #: 2406188

 TAT std

| | | | | | | | |
|----------------------|---|---|---------|-------------------------|---|----------------|-------|
| Samples Arrival: | Date/Time <u>06/25/2024</u> <u>1006</u> | | | Initials: <u>MBB</u> | Location: <u>WR-2</u> Shelf/Rack: <u>N/A</u> | | |
| Delivered By: | FedEx | <input checked="" type="checkbox"/> UPS | On Trac | GLS | DHL | Hand Delivered | Other |
| Preservation: | <input checked="" type="checkbox"/> Ice | Blue Ice | | Techni Ice | Dry Ice | None | |
| Temp °C: Temp °C: | 1.4 (uncorrected) | Probe used: Y / <input checked="" type="checkbox"/> N | | | Thermometer ID: <u>I0-4</u> | | |
| | 1.4 (corrected) | | | | | | |

| | YES | NO | NA |
|--|-------------------------------------|----|----|
| Shipping Container(s) Intact? | <input checked="" type="checkbox"/> | | |
| Shipping Custody Seals Intact? | <input checked="" type="checkbox"/> | | |
| Airbill <u> </u> Trk # <u>1Z ABX 043 01 7952 1064</u> | <input checked="" type="checkbox"/> | | |
| Shipping Documentation Present? | <input checked="" type="checkbox"/> | | |
| Shipping Container <input checked="" type="checkbox"/> Enthalpy <input checked="" type="checkbox"/> Client <input checked="" type="checkbox"/> Retain <input checked="" type="checkbox"/> Return <input checked="" type="checkbox"/> Dispose | | | |
| Chain of Custody / Sample Documentation Present? | <input checked="" type="checkbox"/> | | |
| Chain of Custody / Sample Documentation Complete? | <input checked="" type="checkbox"/> | | |
| Holding Time Acceptable? | <input checked="" type="checkbox"/> | | |
| Logged In: <input checked="" type="checkbox"/> Date/Time <u>06/26/24 1316</u> Initials: <u>MWS</u> Location: <u>R-13, WR-1, WF-2</u> Shelf/Rack: <u>J1, I-4, J-2</u> | | | |
| COC Anomaly/Sample Acceptance Form completed? | <input checked="" type="checkbox"/> | | |

Comments:

CoC/Label Reconciliation Report WO# 2406188

| Lab Number | CoC Sample ID | Sample Alias | Sample Date/Time | Container | Base Matrix | Sample Comments |
|------------|---------------|-------------------------------------|------------------|---|---------------------|-----------------|
| 2406188-01 | A MW-3 | <input checked="" type="checkbox"/> | 20-Jun-24 11:30 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-01 | B MW-3 | <input checked="" type="checkbox"/> | 20-Jun-24 11:30 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-01 | C MW-3 | <input checked="" type="checkbox"/> | 20-Jun-24 11:30 | <input checked="" type="checkbox"/> | HDPE Bottle, 125 mL | Aqueous |
| 2406188-02 | A MW-2 | <input checked="" type="checkbox"/> | 20-Jun-24 12:15 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-02 | B MW-2 | <input checked="" type="checkbox"/> | 20-Jun-24 12:15 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-02 | C MW-2 | <input checked="" type="checkbox"/> | 20-Jun-24 12:15 | <input checked="" type="checkbox"/> | HDPE Bottle, 125 mL | Aqueous |
| 2406188-03 | A Field Blank | <input checked="" type="checkbox"/> | 20-Jun-24 12:25 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-03 | B Field Blank | <input checked="" type="checkbox"/> | 20-Jun-24 12:25 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-03 | C Field Blank | <input checked="" type="checkbox"/> | 20-Jun-24 12:25 | <input checked="" type="checkbox"/> | HDPE Bottle, 125 mL | Aqueous |
| 2406188-04 | A MW-5 | <input checked="" type="checkbox"/> | 20-Jun-24 12:55 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-04 | B MW-5 | <input checked="" type="checkbox"/> | 20-Jun-24 12:55 | <input checked="" type="checkbox"/> 1105 06/28/24 | HDPE Bottle, 500 mL | Aqueous |
| 2406188-04 | C MW-5 | <input checked="" type="checkbox"/> | 20-Jun-24 12:55 | <input checked="" type="checkbox"/> (d) | HDPE Bottle, 125 mL | Aqueous |
| 2406188-05 | A MW-8 | <input checked="" type="checkbox"/> | 20-Jun-24 12:55 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-05 | B MW-8 | <input checked="" type="checkbox"/> | 20-Jun-24 12:55 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-05 | C MW-8 | <input checked="" type="checkbox"/> | 20-Jun-24 12:55 | <input checked="" type="checkbox"/> | HDPE Bottle, 125 mL | Aqueous |
| 2406188-06 | A MW-7 | <input checked="" type="checkbox"/> | 20-Jun-24 13:30 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-06 | B MW-7 | <input checked="" type="checkbox"/> | 20-Jun-24 13:30 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-06 | C MW-7 | <input checked="" type="checkbox"/> | 20-Jun-24 13:30 | <input checked="" type="checkbox"/> | HDPE Bottle, 125 mL | Aqueous |
| 2406188-07 | A MW-6 | <input checked="" type="checkbox"/> | 21-Jun-24 11:00 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-07 | B MW-6 | <input checked="" type="checkbox"/> | 21-Jun-24 11:00 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-07 | C MW-6 | <input checked="" type="checkbox"/> | 21-Jun-24 11:00 | <input checked="" type="checkbox"/> | HDPE Bottle, 125 mL | Aqueous |
| 2406188-08 | A MW-1 | <input checked="" type="checkbox"/> | 21-Jun-24 12:20 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-08 | B MW-1 | <input checked="" type="checkbox"/> | 21-Jun-24 12:20 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-08 | C MW-1 | <input checked="" type="checkbox"/> | 21-Jun-24 12:20 | <input checked="" type="checkbox"/> | HDPE Bottle, 125 mL | Aqueous |
| 2406188-09 | A Field Blank | <input checked="" type="checkbox"/> | 21-Jun-24 11:10 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-09 | B Field Blank | <input checked="" type="checkbox"/> | 21-Jun-24 11:10 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |
| 2406188-09 | C Field Blank | <input checked="" type="checkbox"/> | 21-Jun-24 11:10 | <input checked="" type="checkbox"/> | HDPE Bottle, 125 mL | Aqueous |
| 2406188-10 | A MW-4 | <input checked="" type="checkbox"/> | 21-Jun-24 13:00 | <input checked="" type="checkbox"/> | HDPE Bottle, 500 mL | Aqueous |

2406188-10 B MW-4



2406188-10 C MW-4

21-Jun-24 13:00

HDPE Bottle, 500 mL

Aqueous

21-Jun-24 13:00

HDPE Bottle, 125 mL

Aqueous

Checkmarks indicate that information on the COC reconciled with the sample label.

Any discrepancies are noted in the following columns.

| | Yes | No | NA |
|---|-----|----|----|
| Sample Container Intact? | ✓ | | |
| Sample Custody Seals Intact? | | | ✓ |
| Adequate Sample Volume? | ✓ | | |
| Container Type Appropriate for Analysis(es) | ✓ | | |

Comments: ③ sample label: 6/30/24

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2

None Other

all

Verified by/Date: MJS 06/26/24
XAO 06/26/24

ANOMALY FORM

Work Order # 2406188

Initial/Date The following checked issues were noted during sample receipt and login:

- WWS 06/26/24 1. The samples were received out of temperature at (WI-PHT): _____
 Was Ice present: Yes No Melted Blue Ice
2. The Chain-of-Custody (CoC) was not relinquished properly.
3. The CoC did not include collection time(s). 00:00 will be used unless notified otherwise.
4. The sample(s) did not include a sample collection time. All or Sample Name: _____
5. A sample ID discrepancy was found. See the Reconciliation report.
 The CoC Sample ID will be used unless notified otherwise.
6. A sample date and/or time discrepancy was found. See the Reconciliation report.
 The CoC Sample date/time will be used unless notified otherwise.
7. The CoC did not include a sample matrix. The following sample matrix will be used: _____
8. Insufficient volume received for analysis. All or Sample Name: _____
9. The backup bottle was received broken. Sample Name: _____
10. CoC not received, illegible or destroyed.
11. The sample(s) were received out of holding time. All or Sample Name: _____
12. The CoC did not include an analysis. All or Sample Name: _____
13. Sample(s) received without collection date. All or Sample Name: _____
14. Sample(s) not received. All or Sample Name: _____
15. Sample(s) received broken. All or Sample Name: _____
16. An incorrect container-type was used. All or Sample Name: _____
17. The Field Reagent Blank (FRB) preservative was from a different lot than the field samples.
 Will proceed with analysis and narrate unless notified otherwise.
18. Other:

Bolded items require sign-off

Client Contacted: _____

Date of Contact: _____

Lab Project Manager: _____

Resolution: