



***Former Fire Stations Groundwater
Characterization
Portland International Airport
ECSI Site No. 3324
Portland, Oregon***

**Prepared for:
Port of Portland**

**October 14, 2025
32-24009923**

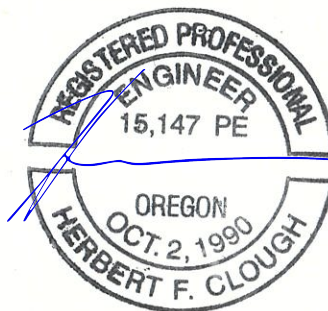


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EXPIRES: DEC. 31, 2025

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1.0 Introduction

This report presents the results for the collection and chemical analysis of soil and groundwater samples located in the vicinity of two former fire stations (Figures 1 and 2) that were identified as an area of interest (AOI) in the *Preliminary Assessment: Aqueous Film-Forming Foam Use* (prepared by Apex and dated August 3, 2017) at Portland International Airport (PDX). The report provides the results of the installation and sampling of additional monitoring wells screened in both the overbank deposit (OD) and upper Columbia River Sand Aquifer (CRSA), as well as the results of groundwater samples collected from existing wells in the vicinity of the former fire stations. The report also includes results from the installation of four temporary borings, installed near the South Runway. Work at the Site is being conducted with oversight from the Oregon Department of Environmental Quality (DEQ) in accordance with the Voluntary Cleanup Program (VCP) Agreement between DEQ and the Port of Portland (Port) for Environmental Cleanup Site Information (ECSI) No. 3324, dated February 8, 2017. This investigation was conducted in accordance with the *Revised Former Fire Stations Groundwater Characterization Work Plan* (Work Plan) submitted to DEQ on November 19, 2024.

1.1 Purpose

The purpose of the sampling described in this report was to assess the nature and extent of per- and polyfluoroalkyl substances (PFAS) in soil and groundwater near the former fire stations at PDX. The former fire stations were previously identified as an AOI because of potential training and maintenance activities using firefighting foam containing PFAS.

1.2 Scope

This report documents the activities, methods, work plan deviations, and results of sampling and assessment completed in accordance with the Work Plan. The investigation included the following tasks:

- The installation of four new monitoring wells to be used in conjunction with existing wells to delineate PFAS in groundwater near the former fire stations. Two wells (MW-101 and MW-102) were installed in the OD and two (DW-101 and DW-102) in the upper CRSA. Locations of the monitoring wells are shown on Figure 3. Groundwater samples were collected from the newly installed wells and from seven existing wells previously installed in the vicinity of Concourse C and D for jet fuel investigations.
- The collection of soil and groundwater samples from four temporary borings (B-6, B-7, B-8, and B-9) completed near the South Runway. The borings were positioned to delineate PFAS concentrations near previous temporary boring B-4.
- The collection of soil samples to assess soil handling options for future development projects. Soil samples were collected during the drilling of the monitoring wells and temporary borings. The soil was

composited from unsaturated, saturated, and intermediary depths at three areas of the Site: north of the former fire stations, to the south near the South Runway, and west of the former fire stations.

The results of these activities are discussed in further detail in this report.

2.0 Background

This section presents a Site description, the status of PFAS regulations, and an overview of Site hydrogeology. Information included in this section was obtained from previously completed site investigations and related work conducted within the vicinity of the Site.

2.1 Site Location and Description

The former fire stations were in the central portion of PDX (Figures 1 and 2). The first fire station was in operation from 1960 to 1972. The second station was located southwest of the first and was in operation from 1972 to 1997. Historical activities included firetruck and equipment storage and possibly maintenance and/or training activities associated with firefighting foam.

PDX and its fire department are regulated under the Federal Aviation Administration (FAA) and the National Fire Protection Association (NFPA) regulations and guidance which specify the type, testing, use, and training that is required for use of firefighting foam on commercial aviation facilities. The PDX fire department has followed these regulations and standards of practice, which has resulted in the use of PFAS-containing foams since the late 1960s.

2.2 PFAS Regulatory Status

Since the 1940s, PFAS have been used in many industrial and commercial applications. The most extensively produced PFAS chemicals in the United States were perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS). By 2002, all production of PFOS had been voluntarily discontinued by manufacturers in the United States. In 2015, as part of the PFOA Stewardship Program, eight major US chemical manufacturers agreed to eliminate the production of PFOA. The Environmental Protection Agency (EPA) amended the Significant New Use Rule to include PFAS under the Toxic Substances Control Act (TSCA), and in January 2015 it required manufacturers and importers to notify the EPA at least 90 days prior to starting or resuming use of PFOA and related compounds. PFAS are now regulated and phase-outs of PFOA/PFOS and precursor compounds are established in the United States, European Union (EU), Canada, and Australia.

In 2024, the EPA finalized maximum contaminant levels (MCLs) for six PFAS in drinking water, as follows.

PFOA	4 nanograms per liter (ng/L)
PFOS	4 ng/L

Perfluorohexane sulfonic acid (PFHxS)	10 ng/L
Perfluorononanoic acid (PFNA)	10 ng/L
Hexafluoropropylene oxide dimer acid (HFPO-DA)	10 ng/L
Combined PFHxS, PFNA, HFPO-DA, and perfluorobutane sulfonic acid (PFBS)	Hazard Index < 1

On September 12, 2025, the DEQ adopted rules that add six PFAS to the definition of hazardous substances in Oregon Administrative Rule (OAR) 340-122-0115 (30): PFOA, PFOS, PFHxS, PFNA, HFPO-DA, and PFBS. The DEQ will incorporate these six PFAS into existing processes for addressing environmental contamination, such as site investigations, risk assessments, and cleanup actions. DEQ is in the process of updating risk-based concentration (RBC) screening levels. The DEQ RBCs are expected to be similar to EPA risk-based screening levels (RSLs), so the EPA RSLs will be used until DEQ RBCs are available.

2.3 Overview of Hydrogeology

Relevant hydrogeological units present beneath PDX include the OD and the CRSA. The OD is the surficial unit, underlain by the CRSA. The contact between the OD and CRSA is typically 50 to 60 feet below the ground surface (bgs) but can vary from 20 to 110 feet bgs. Near the former fire stations, the contact has been observed as deep as 110 feet to the east, 40 to 60 feet in the fire training area to the west, and 50 feet at the Oregon Air National Guard base to the south.

The OD consists of fine-grained sediments deposited in the Columbia River floodplain. In this environment, natural levees are present along the riverbank immediately adjacent to the channel and are thickest at the channel bank and thin toward the floodplain. The OD aquifer is present throughout PDX and is typically between 50 and 60 feet thick. Based on results from exploratory borings, the OD consists of soft to stiff, gray (upper portions may be brown) layers of silty clay, silt, silty sand, and sandy silt, with occasional organic or wood debris. Individual layers vary from 5 to 20 feet in thickness. Sandy layers are more likely to be present in the lower portion of this unit, sometimes making it difficult to identify the boundary with the CRSA. Dredge sand fill placed during airport development is present at the ground surface throughout much of PDX. Groundwater flow in the OD has variable direction and hydraulic gradient across the Site, often dictated by surface recharge, nearby surface waters, and stormwater systems.

The CRSA fills a former channel of the ancestral Columbia River, just south of the present-day Columbia River channel. This paleochannel segment has a depth of more than 300 feet, eroded within older sedimentary units such as the Troutdale Gravel Aquifer and the underlying confining unit. The approximate southern extent of this channel generally corresponds to the southern limit of PDX. The CRSA is composed of medium-dense to dense, gray, gray-brown, or black fine- to medium-grained, quartz-rich basaltic sand. Groundwater flow direction in the CRSA is typically to the north-northwest; however, flow has been observed to the west-southwest when the Columbia River is at flood stage.

3.0 Field Activities

3.1 Investigation Preparatory Activities

Property Access. Apex provided notification to Port personnel and Port Operations (OPS) to coordinate access to the Site at PDX. The notifications were submitted to OPS a minimum of one week in advance.

Flagging/Barricading. Work areas were delineated with cones, barricades, and vehicles with amber flashing beacons. During field investigation activities, airside OPS notifications were completed in accordance with Port requirements.

Underground Utility Location. Prior to conducting ground disturbance activities, Apex notified the Oregon Utility Notification Center in accordance with requirements specified in OAR Chapter 952. Because underground utility operators do not mark on private property, and because the drilling activities were performed inside the secure area of PDX, Port personnel conducted an underground utility locate to mark underground utilities located within the proximity of each proposed sampling location prior to performing the subsurface work.

Site Health and Safety Plan. A site-specific health and safety plan (HASP) was prepared for the activities. The HASP was prepared in general accordance with the Occupational Safety and Health Administration (OSHA) and the OAR. A copy of the HASP was maintained on site during the field activities.

Prior to performing on-site work, Apex prepared a Job Safety Analysis (JSA) and HASP guiding Site- and project-specific activities, risks, and safety protocols. All field staff and subcontractor personnel supporting the project reviewed and performed work in accordance with the HASP. Safety topics were refreshed daily with the field crew using a tailgate safety meeting conducted by Apex's Site Supervisor or Site Safety Officer.

3.2 Methods and Procedures

3.2.1 PFAS-Specific Sampling Procedures

To reduce the chance of inadvertent PFAS contamination of samples, Apex sampling personnel and subcontractors avoided using PFAS-containing items during the sampling process. Items commonly used in sampling processes that may contain PFAS include polytetrafluoroethylene (PTFE, also known as Teflon), low-density polyethylene (LDPE), and polypropylene. Other common items that may contain PFAS include aluminum foil, sticky notes, waterproof field books, markers, chemical ice packs (e.g., blue ice), certain decontamination soaps, and certain product packaging (e.g., such as that found on pre-wrapped foods and snacks). Similarly, many clothing items contain PFAS, such as those coated with Teflon or incorporating a Gore-Tex membrane. Clothing items worn by Apex field staff were washed at least six times and known PFAS-containing products were avoided during sample collection. In addition, field personnel avoided the

use of PFAS-containing products such as cosmetics, moisturizers, insect repellent, sunscreen, and hand cream. Nitrile gloves were used during all sample collection activities, including equipment setup, sample collection, and the sealing of containers. PFAS contamination prevention protocols were reviewed with subcontractors and personnel daily during the field activities.

3.2.2 Shallow Soil Boring Installations

Under the supervision of Apex, Anderson Environmental Contracting (AEC) of Tacoma, Washington, installed four soil borings (Borings 6 through 9) using a Geoprobe direct-push probe to an approximate depth of 15 feet bgs on March 28, 2025 (Figure 3). Soil cores were extracted, and soil lithology and conditions were logged in general accordance with ASTM 2487/2488. Descriptions included visual indications of impacts. Soil cores were field-screened at approximately 2-foot intervals for volatile organic compounds (VOCs) using a photoionization detector (PID) and for petroleum hydrocarbons using sheen tests.

A field log of lithology and soil conditions was maintained for the borings, and the location was recorded using a handheld global positioning system (GPS) unit. Lithologic logs are included as Appendix A. Drilling equipment (e.g., direct pushrods, macro-core, etc.) was decontaminated before and after each boring.

To assist with future soil profiling and disposal, soil from the temporary borings was composited into soil samples at three distinct intervals: unsaturated shallow depth (MW-101 [0-12 feet], SOUTH AREA N [0-6 feet], SOUTH AREA S [0-4 feet], and WEST AREA [0-6 feet]); intermediary depth at the soil/water interface (MW-101 [12-15 feet] and WEST AREA [6-10 feet]); and below the groundwater table (MW-101 [15-20 feet], SOUTH AREA N [6-10 feet], SOUTH AREA S [4-10 feet], and WEST AREA [10-15 feet]). Borings B-6 and B-8 were composited to create two South Area North composite samples, and soil from borings B-7 and B-9 were composited to create two South Area South composite samples.

One grab groundwater sample was collected from a temporary well screen in each boring using a peristaltic pump and new, disposable high-density polyethylene (HDPE) tubing. Samples were transferred into laboratory-supplied containers, stored at 4 degrees Celsius (°C), and submitted to Enthalpy Analytical (Enthalpy) in El Dorado Hills, California, for PFAS analysis by EPA Method 537 (modified). Field observations and measurements made during groundwater monitoring were recorded in field notes.

3.2.3 Monitoring Well Installations

A total of four monitoring wells were installed to characterize PFAS concentrations in the vicinity of the former fire stations. Soil samples were collected during the installation of the monitoring wells at three depth intervals that included unsaturated soil, saturated soil, and an intermediary depth at the soil/water interface. Soil samples from DW-102 and MW-102 were composited together to create West Area composite samples from the three depth intervals. Soil from MW-101, located near the North Runway, was sampled at the three depth intervals to represent North Area soil samples.

Two new CRSA monitoring wells were installed to a depth of 80 feet bgs. Monitoring well DW-102 was installed on March 28, 2025, by AEC. On June 24, 2025, Holt Drilling (Holt) of Vancouver, Washington, installed DW-101 under the supervision of Apex. The wells were advanced using a sonic drilling rig. Sonic drilling uses high-frequency, resonant energy to advance a core barrel or casing into subsurface formations. The method uses a dual-cased system, with inner core barrel advancement, followed by outer casing advancement to sleeve over the inner casing to create hole stability. For each interval, the 4-inch-diameter inner core barrel was advanced at 10-foot intervals into the subsurface, followed by the 6-inch-diameter outer casing. At each interval, the core barrel was then removed from the borehole, and the soil was bagged for logging and sampling. By design, this process effectively isolates the inside of the drill core from the surrounding media, thus preventing cross-contamination. The drilling process continued until the total depth was reached.

During the deep well installations, moderate heaving sands were encountered at depth. Both AEC and Holt injected potable water into the annular space between the casing and the tooling to clear the heaving sands from the casing. At the request of the Port, Apex staff collected samples of water used by the drillers for the April and June drilling events to assess if the water used contained PFAS and could potentially cross-contaminate environmental media. Water from the April drilling event was sourced from City of Vancouver municipal water. The water used in June was obtained on site at PDX and sourced from the City of Portland municipal water supply. The results of the tote water sampling are summarized in Section 4.4.

Two shallow monitoring wells (MW-101 and MW-102) were installed within the OD formation to a depth of 20 feet bgs on March 27 and 28, 2025. The well installations were completed using a track-mounted direct-push drilling rig.

Soil sampling for lithologic descriptions was conducted for the full length of the wells. Soil cores were field screened at approximately 2-foot intervals for VOCs and separate-phase petroleum hydrocarbons (SPH) using a PID, and for SPH using sheen tests conducted on soil at approximately 2-foot intervals. Lithologic descriptions were completed in general accordance with ASTM 2487/2488. Lithologic logs are included in Appendix A.

The four monitoring wells were constructed in accordance with OAR 690-240 and DEQ guidance from *Groundwater Monitoring Well Drilling, Construction, and Decommissioning* (1992). The Upper CRSA monitoring wells were installed to 80 feet bgs with 10 feet of pre-packed screen installed at the bottom of the well from 70 to 80 feet bgs. The OD monitoring wells were installed to 20 feet bgs with 10 feet of pre-packed screen installed at the bottom of the well from 10 to 20 feet bgs. Each of the wells were constructed using 2-inch-diameter Schedule 40 PVC casing. The screened section consists of 0.010-inch machine-slotted, Schedule 40 PVC material. The top of the casing was capped with a lockable, water-tight cap. A clean 20/30 silica sand pack was placed between the boring wall and the PVC screen and riser from the bottom of the well to approximately 2 feet above the screened interval. The remaining annular space was filled with

bentonite chips. At each well, a concrete surface seal was placed above the chip seal to secure a traffic-rated, surface-mounted well monument. The monument was permanently marked with the well identification number affixed to the inside in accordance with Oregon Water Resources Department regulations.

During well construction activities, Apex field staff documented the length of well components; measurements of bentonite, sand, and concrete depths; types, brands, and amounts of materials used; decontamination activities; and any deviations from standard procedures or problems encountered during the well installation activities. Well construction details are presented on lithologic logs contained in Appendix A.

Apex developed the wells in general accordance with the Work Plan. Monitoring wells MW-101, MW-102, and DW-102 were developed on April 28, 2025. DW-101 was developed on June 26, 2025. The wells were developed by surging and purging a minimum of five casing volumes of water from the well using a downhole pump. Field parameters were collected during development and included temperature, pH, oxidation-reduction potential (ORP), dissolved oxygen (DO), and conductivity. Development was considered complete when the field parameters stabilized to within 5% of the previous measurement for three consecutive borehole volumes. Well development field notes are included in Appendix B.

3.2.4 Groundwater Monitoring

Groundwater levels were measured in the OD monitoring wells in April and August 2025 and in the three CRSA monitoring wells in August 2025. Of the eight OD wells, six were previously installed wells (MW-1, MW-6, MW-8, MW-11, MW-12, and MW-14) constructed for prior investigation of jet fuel releases in the vicinity of Concourse C, and two were newly installed wells, MW-101 and MW-102. The three Upper CRSA monitoring wells included the newly installed DW-101 and DW-102, as well as an existing well (TCORE-3) that was installed near Concourse D for the Terminal Core Redevelopment project.

The well caps were removed and water levels allowed to equilibrate before the measurements were taken. The depth to groundwater was measured in each well to the nearest 0.01 foot using an electronic depth to water meter.

Groundwater samples were collected from the OD monitoring wells and CRSA wells DW-102 and TCORE-3 on April 28 and 29, 2025. Monitoring well DW-101 was sampled on June 30, 2025. The samples were collected from the OD wells using a peristaltic pump. A bladder pump was utilized to collect samples from the three CRSA wells. New disposable HDPE tubing was utilized at each well. Groundwater field parameters (pH, ORP, DO, specific conductivity, and temperature) were measured with a water quality meter using a flow cell connected to the discharge tubing of the sample pump. The turbidity of the water was monitored visually with color, and the clarity of the water was recorded on the sampling data sheet. Purging was considered complete when the water was visually clear and field parameters stabilized to within 5% of the previous measurement for three consecutive three-minute intervals. Groundwater monitoring field sheets are

presented in Appendix B. Boring and monitoring well details are provided in Table 1. Field parameters are summarized in Table 5.

3.2.5 Analytical Program

Soil and groundwater samples were analyzed for PFAS by EPA Method 1633, which includes 40 compounds. Samples were analyzed on a standard turnaround time (approximately four weeks). Analytical laboratory reports and a data quality review are provided in Appendix C.

3.2.6 Investigation-Derived Waste

Investigation-derived waste (IDW) generated during the well installation and development included eight 55-gallon drums labeled with the project name, general contents, and date. Per the approved Sampling and Analysis Plan (SAP), the drummed IDW was transported to the PDX-designated IDW storage area pending pickup and off-site disposal by an approved IDW contractor.

3.2.7 Work Plan Deviation

Installation of monitoring well DW-101 was mistakenly initiated in the wrong location, so it was abandoned before installation. However, installation could not be completed in the planned work period, so it was rescheduled, delaying completion of the well for approximately two months. Soil samples collected from DW-101 were not analyzed for PFAS and were held by the laboratory. Soil samples were collected and analyzed from MW-102, which was installed adjacent to DW-101, and therefore the lack of soil sample data from DW-101 is not considered to be significant.

4.0 Investigation Results

The following sections present the analytical results of samples submitted for chemical analyses. Laboratory analytical reports and a review of laboratory data quality are included in Appendix C. Analytical results are listed in Tables 2 through 4. Groundwater elevation data are presented in Table 5.

4.1 Soil Analytical Results

Ten soil samples were analyzed for PFAS compounds. Soil analytical data are presented in Table 2. Figure 4 summarizes PFAS results in soil. The following is a summary of the analytical results:

- PFAS were not detected above the method reporting limit (MRL) in soil samples from monitoring well MW-101, the southern temporary borings (B-6 through B-9), or WEST AREA (6-10 feet).

-
- PFAS were detected above the MRL in soil samples collected from the unsaturated (WEST AREA [0-6 feet]) and saturated (WEST AREA [10-15 feet]) soil samples of the western composite sample that included soil from monitoring wells DW-102 and MW-102. For the regulated PFAS:
 - PFOA was detected at a concentration of 0.4 micrograms per kilogram ($\mu\text{g/kg}$) and PFOS was detected at a concentration of 0.19 $\mu\text{g/kg}$ in sample WEST AREA (0-6 feet);
 - PFOS was detected at a concentration of 2.05 $\mu\text{g/kg}$ in sample WEST AREA (10-15 feet).

4.2 Groundwater Elevations

Groundwater elevations are presented in Table 5. Figures 5 and 6 show groundwater contours in the OD for April and August 2025, respectively. The groundwater gradient in the OD for both April and August was generally southerly. Groundwater elevations were an average of 1.3 feet lower in August compared to April.

Groundwater elevations in the CRSA were between 12.7 and 13.1 feet in April and between 6.9 and 7.1 feet in August. Figure 7 shows groundwater contours in the CRSA for August 2025. (DW-101 was not installed until June so there are no contours for April). The groundwater gradient in the CRSA was north-northwest in August.

4.3 Groundwater Analytical Results

4.3.1 Shallow Boring Groundwater Samples

PFAS results for shallow groundwater grab samples are presented in Table 3 and on Figure 8. Eleven PFAS compounds were detected in one or more of the four groundwater grab samples collected from shallow borings. The following is a summary of the results for the six regulated PFAS:

- PFOA concentrations in shallow grab groundwater ranged from 3.52 (B-7) to 42.3 (B-6) ng/L.
- PFOS was detected in three of the four samples at concentrations ranging from 4.08 (B-8) to 26.6 ng/L (B-7).
- PFHxS, PFNA, and PFBS were each detected at least once at concentrations up to 9.78 ng/L.
- HFPO-DA was not detected.

Total PFAS (defined as the sum of the detected PFAS compounds) ranged from 39 to 190 ng/L with higher concentrations nearer the former fire stations. However, the characteristics of the PFAS detected differ between borings on the south side of the runway (B-7 and B-9, dominated by sulfonic acids) and borings on the north side of the runway (B-6 and B-8, dominated by carboxylic acids). These results suggest that there may also be impacts from releases from the Oregon Air National Guard facility to the south.

4.3.2 Groundwater Monitoring—Shallow Monitoring Wells

Groundwater monitoring well results for the OD are presented in Table 4 and summarized on Figure 8. Eighteen PFAS compounds were detected in one or more of the OD monitoring wells. The following is a summary of analytical results from OD wells for the six regulated PFAS:

- PFOA was detected in each shallow monitoring well at concentrations ranging from 7.5 to 4,950 ng/L. Higher relative concentrations were detected on the south side of Concourse C (MW-6 and MW-14).
- PFOS was detected in seven of eight shallow monitoring wells at concentrations ranging from 1.7 to 1,240 ng/L. Higher relative concentrations were detected near the end of Concourse C (MW-12).
- PFHxS, PFNA, and PFBS were each detected in four or more wells at concentrations up to 578, 64, and 65 ng/L, respectively. Higher relative concentrations were detected near Concourse C (MW-6, MW-12, and MW-14).
- HFPO-DA was not detected in the OD wells.

Total PFAS in the OD wells ranged from 18 to 9,300 ng/L. Concentrations greater than 1,000 ng/L were detected around Concourse C in the vicinity of the former fire stations (MW-6, MW-11, MW-12, and MW-14). This area generally corresponds to the former fire station area. The nearest wells outside the former fire station area (MW-102 to the north, MW-101 to the northeast, and MW-1 to the east) had total PFAS concentrations ranging from 18 to 37 ng/L.

Two fluorotelomer sulfonates were detected at 1,000 ng/L or greater (6:2 FTS in MW-6 and 8:2 FTS in MW-8). These are precursor molecules with six and eight fluorine-saturated carbon chains. These precursors can break down to six- and eight-carbon chain perfluorinated compounds such as PFHxS and PFOS, potentially acting as an ongoing source of regulated PFAS compounds.

4.3.3 Groundwater Monitoring—Upper CRSA Wells

Results for the CRSA wells are presented in Table 4 and summarized on Figure 9. PFAS were not detected above the MRLs in groundwater samples collected from Upper CRSA monitoring wells.

4.4 Tote Water Analytical Results

A sample collected from tote water utilized by the drillers on April 30, 2025, that was sourced from City of Vancouver tap water had detections of several PFAS compounds including PFOA (6.36 ng/L) and PFOS (10.6 ng/L). A second tote water sample collected on June 30, 2025, that was collected from potable water at PDX did not detect PFAS compounds above MRLs.

4.5 Nature and Extent of PFAS at the Former Fire Stations

The results of this assessment confirm relatively higher concentrations of PFAS in the vicinity of the former fire stations, near current Concourse C, but the peak concentrations are lower than peak concentrations at other areas of PDX. The maximum total PFAS concentration detected in groundwater during this assessment was 9,300 ng/L in MW-6. By comparison, the maximum total PFAS detected in the other nearby areas is 390,000 ng/L at the fire training facilities to the northwest (Apex, Table 5)³ and 52,000 ng/L at the Oregon Air National Guard facility to the south (Brice-AECOM JV1, Table 14)⁴.

The former fire station area is bounded by the grab groundwater samples to the west and south (B-1, B-3, B-7, and B-9)⁵ and OD wells MW-1, MW-101, and MW-102 to the east, northeast, and north, respectively. Total PFAS concentrations in these peripheral samples range from non-detect to 42 ng/L (compared to wells near the former fire stations area that range from 2,100 to 9,300 ng/L).

5.0 Conclusions

Apex performed sampling and laboratory analysis to assess the nature and extent of PFAS in groundwater near the former fire stations at PDX. The work included the installation and/or sampling of four temporary borings, four new monitoring wells, and six existing monitoring wells situated in the vicinity of the former fire stations. The results of the investigation are summarized as follows:

- PFOA and PFOS were detected at concentrations up to 0.4 and 2.05 µg/kg, respectively, in composite soil samples collected from the West Area. PFAS were not detected above MRLs in soil samples collected from the southern temporary borings or northern monitoring well MW-101.
- PFAS compounds were detected in each of the OD groundwater samples with relatively higher concentrations detected in wells in the vicinity of the former fire stations near Concourse C (MW-6, MW-12, and MW-14). Based on total PFAS concentrations, the former fire stations area has peak groundwater concentrations 5 to 40 times less than peak groundwater concentrations at the nearby fire training facilities and Oregon Air National Guard base. The former fire station area is defined by surrounding samples with total PFAS concentrations 100 to 1,000 times less than peak concentrations detected in the fire station area wells.
- PFAS compounds detected in shallow borings near the South Runway may also include contributions from the Oregon Air National Guard facility to the south.
- PFAS compounds were not detected in groundwater samples from the CRSA wells.

³ Table 5, MW-4. Apex Companies, LLC. *Original and Former Fire Training Facilities, Fourth Quarter 2019 Groundwater Monitoring Report*. Portland International Airport, 15 Jan. 2020.

⁴ Brice-AECOM JV1. *DRAFT Preliminary Remedial Investigation Report, Portland Air National Guard Base, Oregon Air National Guard*. May 2025.

⁵ Apex Companies, LLC. *South Runway Soil and Groundwater Sampling*. April 22, 2024.

Table 1. Boring and Well Details
Former Fire Stations
Portland International Airport
Portland, Oregon

Boring ID / Monitoring Well	TOC Elevation	Total Depth	Screened Interval
MW-1	27.70	15	5 - 15
MW-6	24.65	15	5 - 15
MW-8	25.56	15	5 - 15
MW-11-L58499	24.75	20	5 - 20
MW-12-L58397	23.70	20	5 - 20
MW-14	24.60	20	5 - 20
MW-101	28.94	20	10 - 20
MW-102	24.57	20	10 - 20
TCORE-3	25.81	135	117 - 135
DW-101	24.60	20	70 - 80
DW-102	21.59	20	70 - 80
B-6	NS	20	15 - 20
B-7	NS	20	15 - 20
B-8	NS	15	10 - 15
B-9	NS	15	10 - 15

Notes:

Elevation data is feet above mean sea level.

Depth and screened interval are feet below ground surface.

Well information estimated based on well and screen depths from wells installed during same event.

NS = Not surveyed

TOC = Top of casing

Table 2. Soil Analytical Results
Former Fire Stations PFAS Groundwater Delineation
Portland International Airport
Portland, Oregon

	Sample ID	MW-101 (0-12)	MW-101 (12-15)	MW-101 (15-20)	SOUTH AREA N (0-6)	SOUTH AREA N (6-10)	SOUTH AREA S (0-4)	SOUTH AREA S (4-10)	WEST AREA (0-6)	WEST AREA (6-10)	WEST AREA (10-15)
	Sample Location	MW-101	MW-101	MW-101	B-6 & B-8 Composite	B-6 & B-8 Composite	B-7 & B-9 Composite	B-7 & B-9 Composite	MW-102 & DW-102 Composite	MW-102 & DW-102 Composite	MW-102 & DW-102 Composite
	Sample Date	3/27/2025	3/27/2025	3/27/2025	3/28/2025	3/28/2025	3/28/2025	3/28/2025	3/28/2025	3/28/2025	3/28/2025
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Acronym	Concentrations in ng/g									
Perfluorobutanoic acid	PFBA	< 0.798	< 0.801	< 0.795	< 0.796	< 0.797	< 0.799	< 0.799	< 0.799	< 0.796	< 0.797
Perfluoro-3-methoxypropanoic acid	PFMPA	< 0.399	< 0.400	< 0.397	< 0.397	< 0.398	< 0.399	< 0.399	< 0.399	< 0.398	< 0.398
3-Perfluoropropyl Propanoic acid	3:3 FTCA	< 0.996	< 1.00	< 0.993	< 0.993	< 0.995	< 0.998	< 0.998	< 0.998	< 0.994	< 0.995
Perfluoropentanoic acid	PFPeA	< 0.398	< 0.399	< 0.356	< 0.356	< 0.397	< 0.398	< 0.398	< 0.398	< 0.397	< 0.397
Perfluoro(4-methoxybutanoic) acid	PFMBA	< 0.399	< 0.400	< 0.397	< 0.397	< 0.398	< 0.399	< 0.399	< 0.399	< 0.398	< 0.398
Perfluorobutane sulfonic acid	PFBS	< 0.176	< 0.177	< 0.176	< 0.176	< 0.176	< 0.177	< 0.177	< 0.177	< 0.176	< 0.176
Fluorotelomer sulfonate	4:2 FTS	< 0.747	< 0.750	< 0.744	< 0.745	< 0.746	< 0.748	< 0.749	< 0.748	< 0.746	< 0.746
Perfluorohexanoic acid	PFHxA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	< 0.200	< 0.199	< 0.199
Perfluoro(2-ethoxyethane)sulphonic acid	PFEESA	< 0.355	< 0.356	< 0.353	< 0.354	< 0.354	< 0.355	< 0.355	< 0.355	< 0.354	< 0.354
Perfluoropentane sulfonic acid	PFPeS	< 0.187	< 0.188	< 0.187	< 0.187	< 0.187	< 0.188	< 0.188	< 0.188	< 0.187	< 0.187
Hexafluoropropylene oxide-dimer acid (GenX)	HFPO-DA	< 0.832	< 0.835	< 0.829	< 0.829	< 0.831	< 0.833	< 0.833	< 0.833	< 0.830	< 0.830
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	< 0.399	< 0.400	< 0.397	< 0.397	< 0.398	< 0.399	< 0.399	< 0.399	< 0.398	< 0.398
5:3 Fluorotelomer carboxylic acid	5:3 FTCA	< 4.98	< 5.00	< 4.96	< 4.97	< 4.98	< 4.99	< 4.99	< 4.99	< 4.97	< 4.97
Perfluoroheptanoic acid	PFHpA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	< 0.200	< 0.199	< 0.199
4,8-Dioxa-3H-perfluorononanoate	ADONA	< 0.787	< 0.790	< 0.784	< 0.785	< 0.786	< 0.788	< 0.788	< 0.788	< 0.785	< 0.786
Perfluorohexane sulfonic acid	PFHxS	< 0.182	< 0.183	< 0.182	< 0.182	< 0.182	< 0.183	< 0.183	< 0.183	< 0.182	< 0.182
Fluorotelomer sulfonate	6:2 FTS	< 0.756	< 0.759	< 0.753	< 0.754	< 0.755	< 0.757	< 0.758	< 0.757	< 0.755	< 0.755
Perfluorooctanoic acid	PFOA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	0.400	< 0.199	< 0.199
Perfluoroheptane sulfonic acid	PFHpS	< 0.189	< 0.190	< 0.189	< 0.189	< 0.189	< 0.190	< 0.190	< 0.190	< 0.189	< 0.189
7:3 Fluorotelomer carboxylic acid	7:3 FTCA	< 4.98	< 5.00	< 4.96	< 4.97	< 4.98	< 4.99	< 4.99	< 4.99	< 4.97	< 4.97
Perfluorononaic acid	PFNA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	< 0.200	< 0.199	< 0.199
Perfluorooctane sulfonamide	PFOSA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	< 0.200	< 0.199	< 0.199
Perfluorooctane sulfonic acid	PFOS	< 0.185	< 0.186	< 0.185	< 0.185	< 0.185	< 0.186	< 0.186	0.194	< 0.185	2.05
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid	9Cl-PF3ONS	< 0.777	< 0.780	< 0.774	< 0.775	< 0.776	< 0.778	< 0.778	< 0.778	< 0.775	< 0.776
Perfluorodecanoic acid	PFDA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	0.364	< 0.199	< 0.199
Fluorotelomer sulfonate	8:2 FTS	< 0.765	< 0.768	< 0.762	< 0.763	< 0.764	< 0.766	< 0.767	0.964	< 0.764	< 0.764
Perfluorononane sulfonic acid	PFNS	< 0.191	< 0.192	< 0.191	< 0.191	< 0.191	< 0.192	< 0.192	< 0.192	< 0.191	< 0.191
Methyl perfluorooctanesulfonamidoacetic acid	MeFOSAA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	< 0.200	< 0.199	< 0.199
Ethyl perfluorooctanesulfonamidoacetic acid	EtFOSAA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	< 0.200	< 0.199	< 0.199
Perfluoroundecanoic acid	PFUnA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	< 0.200	< 0.199	< 0.199
Perfluorodecane sulfonic acid	PFDS	< 0.192	< 0.193	< 0.192	< 0.192	< 0.192	< 0.193	< 0.193	< 0.193	< 0.192	< 0.192
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	< 0.787	< 0.790	< 0.784	< 0.785	< 0.786	< 0.788	< 0.788	< 0.788	< 0.785	< 0.786
Perfluorododecanoic acid	PFDoA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	< 0.200	< 0.199	< 0.199
Methylperfluorooctanesulfonamide	MeFOSA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	< 0.200	< 0.199	< 0.199
Perfluorotridecanoic acid	PFTrDA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	< 0.200	< 0.199	< 0.199
Perfluorodecane Sulfonic Acid	PFDoS	< 0.193	< 0.194	< 0.193	< 0.193	< 0.193	< 0.194	< 0.194	< 0.194	< 0.193	< 0.193
Perfluorotetradecanoic acid	PFTeDA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	< 0.200	< 0.199	< 0.199
Ethylperfluorooctanesulfonamide	EtFOSA	< 0.199	< 0.200	< 0.199	< 0.199	< 0.199	< 0.200	< 0.200	< 0.200	< 0.199	< 0.199
Methylperfluorooctanesulfonamidoethanol	MeFOSE	< 1.99	< 2.00	< 1.99	< 1.99	< 1.99	< 2.00	< 2.00	< 2.00	< 1.99	< 1.99
Ethyl perfluorooctane sulfonamido ethanol	EtFOSE	< 1.99	< 2.00	< 1.99	< 1.99	< 1.99	< 2.00	< 2.00	< 2.00	< 1.99	< 1.99
Total PFAS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.92	0.0	2.05

Notes:
Bold text, if present, indicates a detection above the reporting limit.
<: Not detected above the laboratory reporting limit
ng/g: nanograms per gram

Table 3. Temporary Well Groundwater Analytical Results
Former Fire Stations PFAS Groundwater Delineation
Portland International Airport
Portland, Oregon

	Sample ID	B-6-032725	B-7-032725	B-8-032725	B-9-032725
	Sample Location	B-6	B-7	B-8	B-9
	Sample Date	3/27/2025	3/27/2025	3/27/2025	3/27/2025
	Matrix	Groundwater	Groundwater	Groundwater	Groundwater
PFAS Analyte	Acronym	Concentrations in ng/L			
Perfluorobutanoic acid	PFBA	11.3	< 6.53	7.09	< 6.50
Perfluoro-3-methoxypropanoic acid	PFMPA	< 3.23	< 3.26	< 3.30	< 3.25
3-Perfluoropropyl Propanoic acid	3:3 FTCA	< 8.07	< 8.16	< 8.26	< 8.12
Perfluoropentanoic acid	PFPeA	36.8	3.47	11.5	< 3.25
Perfluoro(4-methoxybutanoic) acid	PFMBA	< 3.23	< 3.26	< 3.30	< 3.25
Perfluorobutane sulfonic acid	PFBS	< 1.43	< 1.45	1.61	1.81
Fluorotelomer sulfonate	4:2 FTS	< 6.05	< 6.12	< 6.19	< 6.09
Perfluorohexanoic acid	PFHxA	23.7	2.51	7.2	2.37
Perfluoro(2-ethoxyethane)sulphonic acid	PFEESA	< 2.87	< 2.91	< 2.94	< 2.89
Perfluoropentane sulfonic acid	PFPeS	< 1.51	< 1.53	< 1.55	1.57
Hexafluoropropylene oxide-dimer acid (GenX)	HFPO-DA	< 6.74	< 6.82	< 6.89	< 6.78
Nonafluoro-3,6-dioxahexanoic acid	NFDHA	< 3.23	< 3.26	< 3.30	< 3.25
5:3 Fluorotelomer carboxylic acid	5:3 FTCA	< 40.3	< 40.8	< 41.3	< 40.6
Perfluoroheptanoic acid	PFHpA	20.0	< 1.63	5.01	1.86
4,8-Dioxa-3H-perfluorononanoate	ADONA	< 6.37	< 6.45	< 6.52	< 6.42
Perfluorohexane sulfonic acid	PFHxS	2.22	2.61	5.74	9.78
Fluorotelomer sulfonate	6:2 FTS	54.9	< 6.19	< 6.27	< 6.16
Perfluorooctanoic acid	PFOA	42.3	3.52	34.2	8.19
Perfluoroheptane sulfonic acid	PFHpS	< 1.53	< 1.55	< 1.57	< 1.54
7:3 Fluorotelomer carboxylic acid	7:3 FTCA	< 40.3	< 40.8	< 41.3	< 40.6
Perfluorononanoic acid	PFNA	2.53	< 1.63	< 1.65	< 1.62
Perfluorooctane sulfonamide	PFOSA	< 1.61	< 1.63	< 1.65	< 1.62
Perfluorooctane sulfonic acid	PFOS	< 1.50	26.6	4.08	16.7
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid	9Cl-PF3ONS	< 6.29	< 6.37	< 6.44	< 6.33
Perfluorodecanoic acid	PFDA	< 1.61	< 1.63	< 1.65	< 1.62
Fluorotelomer sulfonate	8:2 FTS	< 6.19	< 6.26	< 6.34	< 6.23
Perfluorononane sulfonic acid	PFNS	< 1.55	< 1.57	< 1.59	< 1.56
Methyl perfluorooctanesulfonamidoacetic acid	MeFOSAA	< 1.61	< 1.63	< 1.65	< 1.62
Ethyl perfluorooctanesulfonamidoacetic acid	EtFOSAA	< 1.61	< 1.63	< 1.65	< 1.62
Perfluoroundecanoic acid	PFUnA	< 1.61	< 1.63	< 1.65	< 1.62
Perfluorodecane sulfonic acid	PFDS	< 1.55	< 1.57	< 1.59	< 1.56
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	< 6.05	< 6.12	< 6.19	< 6.09
Perfluorododecanoic acid	PFDoA	< 1.61	< 1.63	< 1.65	< 1.62
Methylperfluorooctanesulfonamide	MeFOSA	< 1.61	< 1.63	< 1.65	< 1.62
Perfluorotridecanoic acid	PFTriDA	< 1.61	< 1.63	< 1.65	< 1.62
Perfluorodecane Sulfonic Acid	PFDoS	< 1.56	< 1.58	< 1.60	< 1.57
Perfluorotetradecanoic acid	PFTeDA	< 1.61	< 1.63	< 1.65	< 1.62
Ethylperfluorooctanesulfonamide	EtFOSA	< 1.61	< 1.63	< 1.65	< 1.62
Methylperfluorooctanesulfonamidoethanol	MeFOSE	< 16.1	< 16.3	< 16.5	< 16.2
Ethyl perfluorooctane sulfonamido ethanol	EtFOSE	< 16.1	< 16.3	< 16.5	< 16.2
Total PFAS		193.8	38.71	76.43	42.28

Notes:

Bold text, if present, indicates a detection above the reporting limit.

<: Not detected above the laboratory reporting limit

ng/L: nanograms per liter

Table 4. Monitoring Well Groundwater Analytical Results
Former Fire Stations PFAS Groundwater Delineation
Portland International Airport
Portland, Oregon

	Sample ID	DW-101-063025	DW-102-042925	TCORE-3-042825	MW-101-042925	MW-102-042925	MW-1-042825	MW-6-042825	DUP-042825	MW-8-042825	MW-11-L58499-042825	MW-12-L58397-042825	MW-14-042825
	Sample Location	DW-101	DW-102	TCORE-3	MW-101	MW-102	MW-1	MW-6	MW-6	MW-8	MW-11-L58499	MW-12-L58397	MW-14
	Sample Date	6/30/2025	4/29/2025	4/28/2025	4/29/2025	4/29/2025	4/28/2025	4/28/2025	4/28/2025	4/28/2025	4/28/2025	4/28/2025	4/28/2025
	Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
PFAS Analyte	Acronym	Concentrations in ng/L											
Perfluorobutanoic acid	PFBA	< 6.43	< 6.48	< 6.42	< 6.52	< 6.49	< 6.41	180	184	26.9	104	22.7	196
Perfluoro-3-methoxypropanoic acid	PFMPA	< 3.22	< 3.24	< 3.21	< 3.26	< 3.24	< 3.20	< 3.20	< 3.20	< 3.22	< 3.22	< 3.23	< 3.24
3-Perfluoropropyl Propanoic acid	3:3 FTCA	< 8.04	< 8.10	< 8.02	< 8.15	< 8.11	< 8.01	21.8	23.6	< 8.04	< 8.06	37.1	< 8.11
Perfluoropentanoic acid	PFPeA	< 3.22	< 3.24	< 3.21	3.58	4.36	< 3.20 I	654	681	66.8	429	94.5	797
Perfluoro(4-methoxybutanoic) acid	PFMBA	< 3.22	< 3.24	< 3.21	< 3.26	< 3.24	< 3.20	< 3.20	< 3.20	< 3.22	< 3.22	< 3.23	< 3.24
Perfluorobutane sulfonic acid	PFBS	< 1.43	< 1.44	< 1.42	< 1.45 I	< 1.44	2.26	50.6	46.6	1.64	5.53	2.29	65.4
Fluorotelomer sulfonate	4:2 FTS	< 6.03	< 6.07	< 6.02	< 6.11	< 6.08	< 6.01	12.6	10.9	< 6.03	< 6.04	< 6.06	21.3
Perfluorohexanoic acid	PFHxA	< 1.61	< 1.62	< 1.60	2.66	4.68	3.79	697	678	66.1	547	163	789
Perfluoro(2-ethoxyethane)sulphonic acid	PFEESA	< 2.87	< 2.89	< 2.86	< 2.90	< 2.89	< 2.85	< 2.85	< 2.85	< 2.86	< 2.87	< 2.88	< 2.89
Perfluoropentane sulfonic acid	PFPeS	< 1.51	< 1.52	< 1.50	< 1.53	< 1.52	< 1.50	38.5	37.5	< 1.51	4.26	8.14	40
Hexafluoropropylene oxide-dimer acid (GenX)	HFPO-DA	< 6.72	< 6.76	< 6.70	< 6.81	< 6.77	< 6.69	< 6.67	< 6.68	< 6.71	< 6.73	< 6.75	< 6.77
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	< 3.22	< 3.24	< 3.21	< 3.26	< 3.24	< 3.20	< 3.20	< 3.20	< 3.22	< 3.22	< 3.23	< 3.24
5:3 Fluorotelomer carboxylic acid	5:3 FTCA	< 40.2	< 40.5	< 40.1	< 40.8	< 40.5	< 40.1	910	901	84.9	< 40.3	126	< 40.6
Perfluoroheptanoic acid	PFHpA	< 1.61	< 1.62	< 1.60	< 1.63	3.15	3.41	366	332	31.4	117	298	326
4,8-Dioxa-3H-perfluorononanoate	ADONA	< 6.35	< 6.40	< 6.34	< 6.44	< 6.40	< 6.33	< 6.31	< 6.32	< 6.35	< 6.37	< 6.39	< 6.41
Perfluorohexane sulfonic acid	PFHxS	< 1.47	< 1.48	< 1.46	1.82	3.95	9.45	578	557	7.91	67	201	438
Fluorotelomer sulfonate	6:2 FTS	< 6.10	< 6.15	< 6.09	< 6.19	< 6.15	< 6.08	906	1000 D	< 6.10	< 6.11	526	1330 D
Perfluorooctanoic acid	PFOA	< 2.01	< 2.02	< 2.01	7.47	10.7	13.1	4420 D	4490 D	88.4	832	567	4950 D
Perfluoroheptane sulfonic acid	PFHpS	< 1.53	< 1.54	< 1.52	< 1.55	< 1.54	< 1.52	6.73	6.3	< 1.53	< 1.53	< 1.54	3.87
7:3 Fluorotelomer carboxylic acid	7:3 FTCA	< 40.2	< 40.5	< 40.1	< 40.8	< 40.5	< 40.1	< 39.9	< 40.0	< 40.2	< 40.3	< 40.4	< 40.6
Perfluorononanoic acid	PFNA	< 1.61	< 1.62	< 1.60	< 1.63	< 1.62	< 1.60	19.8	19.9	2.63	< 1.61	64.1	20.2
Perfluorooctane sulfonamide	PFOSA	< 1.61	< 1.62	< 1.60	< 1.63	< 1.62	< 1.60	< 1.60	< 1.60	< 1.61	< 1.61	2.44	< 1.62
Perfluorooctane sulfonic acid	PFOS	< 1.50	< 1.51	< 1.49	2.83	< 1.51	5.36 I	135	126	2.10	1.65 I	1240 D	91.6 I
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid	9CI-PF3ONS	< 6.27	< 6.32	< 6.26	< 6.36	< 6.32	< 6.25	< 6.23	< 6.24	< 6.27	< 6.28	< 6.30	< 6.33
Perfluorodecanoic acid	PFDA	< 1.61	< 1.62	< 1.60	< 1.63	< 1.62	< 1.60	< 1.60	< 1.60	< 1.61	< 1.61	14.3	< 1.62
Fluorotelomer sulfonate	8:2 FTS	< 6.17	< 6.22	< 6.16	< 6.26	< 6.22	< 6.15	157	174	< 6.17	< 6.18	1580 D	< 6.22
Perfluorononane sulfonic acid	PFNS	< 1.55	< 1.56	< 1.54	< 1.57	< 1.56	< 1.54	< 1.54	< 1.54	< 1.55	< 1.55	< 1.56	< 1.56
Methyl perfluorooctanesulfonamidoacetic acid	MeFOSAA	< 1.61	< 1.62	< 1.60	< 1.63	< 1.62	< 1.60	< 1.60	< 1.60	< 1.61	< 1.61	< 1.62	< 1.62
Ethyl perfluorooctanesulfonamidoacetic acid	EtFOSAA	< 1.61	< 1.62	< 1.60	< 1.63	< 1.62	< 1.60	< 1.60	< 1.60	< 1.61	< 1.61	< 1.62	< 1.62
Perfluoroundecanoic acid	PFUnA	< 1.61	< 1.62	< 1.60	< 1.63	< 1.62	< 1.60	< 1.60	< 1.60	< 1.61	< 1.61	< 1.62	< 1.62
Perfluorodecane sulfonic acid	PFDS	< 1.55	< 1.56	< 1.54	< 1.57	< 1.56	< 1.54	< 1.54	< 1.54	< 1.55	< 1.55	< 1.56	< 1.56
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11CI-PF3OUdS	< 6.03	< 6.07	< 6.02	< 6.11	< 6.08	< 6.01	< 5.99	< 6.00	< 6.03	< 6.04	< 6.06	< 6.08
Perfluorododecanoic acid	PFDoA	< 1.61	< 1.62	< 1.60	< 1.63	< 1.62	< 1.60	< 1.60	< 1.60	< 1.61	< 1.61	< 1.62	< 1.62
Methylperfluorooctanesulfonamide	MeFOSA	< 1.61	< 1.62	< 1.60	< 1.63	< 1.62	< 1.60	< 1.60	< 1.60	< 1.61	< 1.61	< 1.62	< 1.62
Perfluorotridecanoic acid	PFTTrDA	< 1.61	< 1.62	< 1.60	< 1.63	< 1.62	< 1.60	< 1.60	< 1.60	< 1.61	< 1.61	< 1.62	< 1.62
Perfluorodecane Sulfonic Acid	PFDoS	< 1.56	< 1.57	< 1.55	< 1.58	< 1.57	< 1.55	< 1.55	< 1.55	< 1.56	< 1.56	< 1.57	< 1.57
Perfluorotetradecanoic acid	PFTeDA	< 1.61	< 1.62	< 1.60	< 1.63	< 1.62	< 1.60	< 1.60	< 1.60	< 1.61	< 1.61	< 1.62	< 1.62
Ethylperfluorooctanesulfonamide	EtFOSA	< 1.61	< 16.2	< 16.0	< 16.3	< 16.2	< 16.0	< 16.0	< 16.0	< 16.1	< 16.1	< 16.2	< 16.2
Methylperfluorooctanesulfonamidoethanol	MeFOSE	< 16.1	< 16.2	< 16.0	< 16.3	< 16.2	< 16.0	< 16.0	< 16.0	< 16.1	< 16.1	< 16.2	< 16.2
Ethyl perfluorooctane sulfonamido ethanol	EtFOSE	< 16.1	< 16.2	< 16.0	< 16.3	< 16.2	< 16.0	< 16.0	< 16.0	< 16.1	< 16.1	< 16.2	< 16.2
Total PFAS		0.00	0.00	0.00	18.36	26.8	37.37	9153	9268	379	2107	4947	9068

Notes:

Bold text, if present, indicates a detection above the reporting limit.

<: Not detected above the laboratory reporting limit

D: Sample was diluted

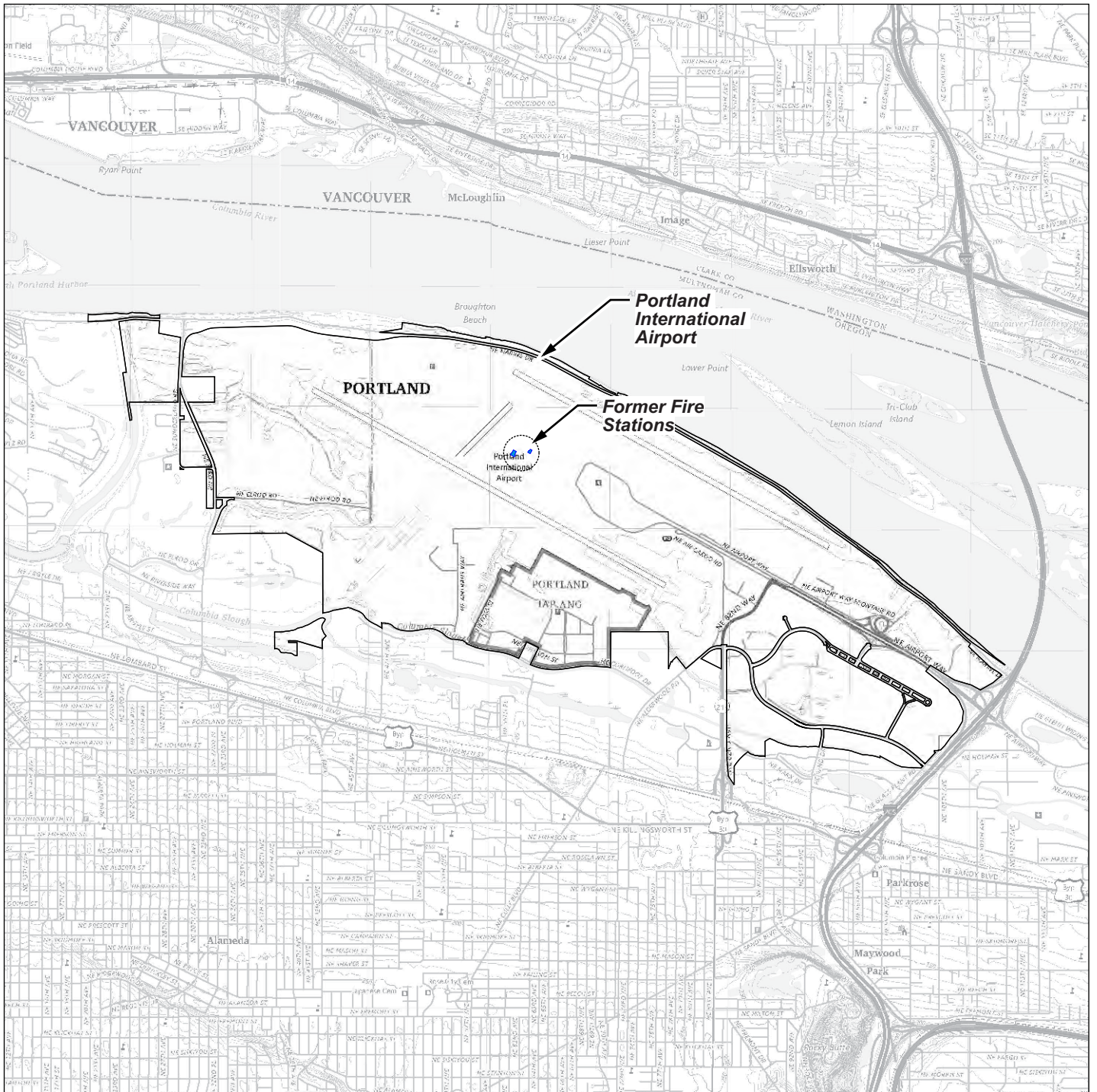
E: The associated compound concentration exceeded the calibration range of the instrument

I: Ion transition ratio is outside of the acceptance criteria

ng/L: nanograms per liter

Table 5. Monitoring Well Groundwater Elevations and Field Parameters
Former Fire Stations PFAS Groundwater Delineation
Portland International Airport
Portland, Oregon

Well ID (Elevation in ft NAVD88)	Gauging Date	Depth to Water	Groundwater Elevations (feet)	pH	Temp (C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)
Former Fire Stations								
MW-1 (27.70)	04/28/25	8.96	18.74	6.93	14.5	195	4.13	67.3
	08/27/25	11.21	16.49	--	--	--	--	--
MW-6 (24.65)	04/28/25	10.92	13.73	6.54	15.1	1193	0.22	-119.8
	08/27/25	11.60	13.05	--	--	--	--	--
MW-8 (25.56)	04/28/25	10.88	14.68	6.59	15.8	807	0.22	-114.0
	08/27/25	11.32	14.24	--	--	--	--	--
MW-11-L58499 (24.75)	11/14/23	9.53	15.22	6.06	18.3	1,009	0.47	-53.8
	04/28/25	8.59	16.16	6.43	17.2	1,001	0.21	-83.4
	08/27/25	9.24	15.51	--	--	--	--	--
MW-12-L58397 (23.70)	11/14/23	6.26	17.44	6.30	18.5	764	0.33	-80.3
	04/28/25	6.13	17.57	6.73	14.8	643	0.21	-124.8
	08/27/25	6.56	17.14	--	--	--	--	--
MW-14 (24.60)	04/28/25	9.04	15.56	6.61	15.5	837	0.25	-120.3
	08/27/25	9.76	14.84	--	--	--	--	--
MW-101 (28.94)	04/29/25	9.01	19.93	6.71	13.6	155	2.73	66.5
	08/27/25	12.09	16.85	--	--	--	--	--
MW-102 (24.57)	04/29/25	6.01	18.56	6.34	13.8	206	0.22	29.3
	08/27/25	7.29	17.28	--	--	--	--	--
TCORE-3 (25.81)	04/28/25	12.76	13.05	7.43	17.3	612	0.25	-118.7
	08/27/25	18.72	7.09	--	--	--	--	--
DW-101 (24.60)	06/30/25	13.81	10.79	7.03	20.4	639	0.09	-445.6
	08/27/25	17.67	6.93	--	--	--	--	--
DW-102 (21.59)	04/29/25	8.87	12.72	7.38	14.5	383	0.23	-128.9
	08/27/25	14.59	7.00	--	--	--	--	--



Note: Base map prepared from USGS 7.5-minute quadrangle of Portland and Mount Tabor, WA-OR, dated 2024 as provided by USGS.gov.

0 4,000 8,000
Approximate Scale in Feet



Site Location Map

Former Fire Stations Groundwater Characterization Report
Port of Portland
Portland, Oregon

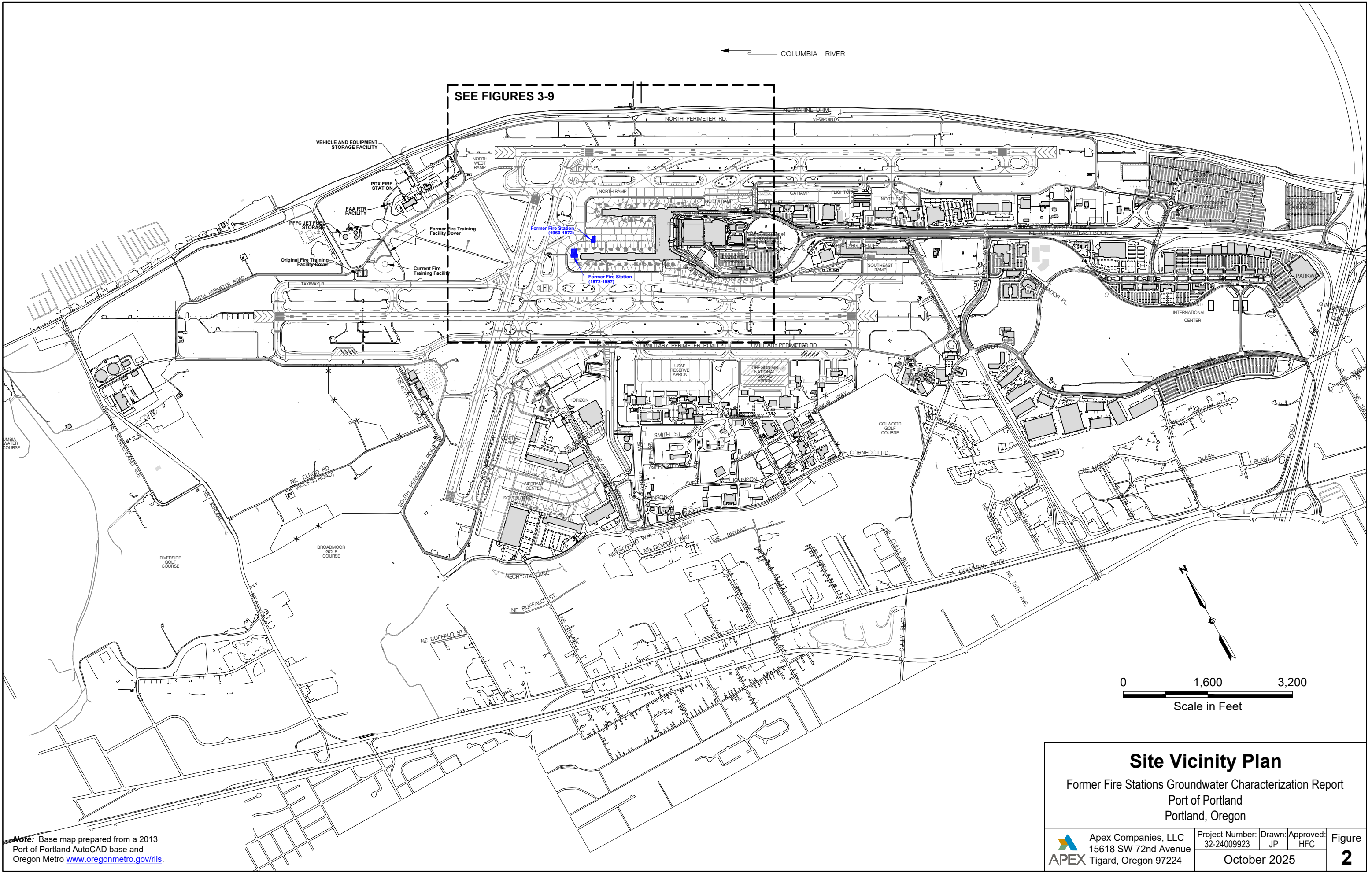


Apex Companies, LLC
15618 SW 72nd Avenue
Tigard, Oregon 97224

Project Number: 32-24009923	Drawn: JP	Approved: HFC
October 2025		

Figure
1

I:\Client\Port of Portland\Environmental Services Contract\Fire Training Facilities Inv2025 Groundwater Characterization\32-24009923 02-09 (Site Plans).dwg Modified 9/18/2025 by jPoore

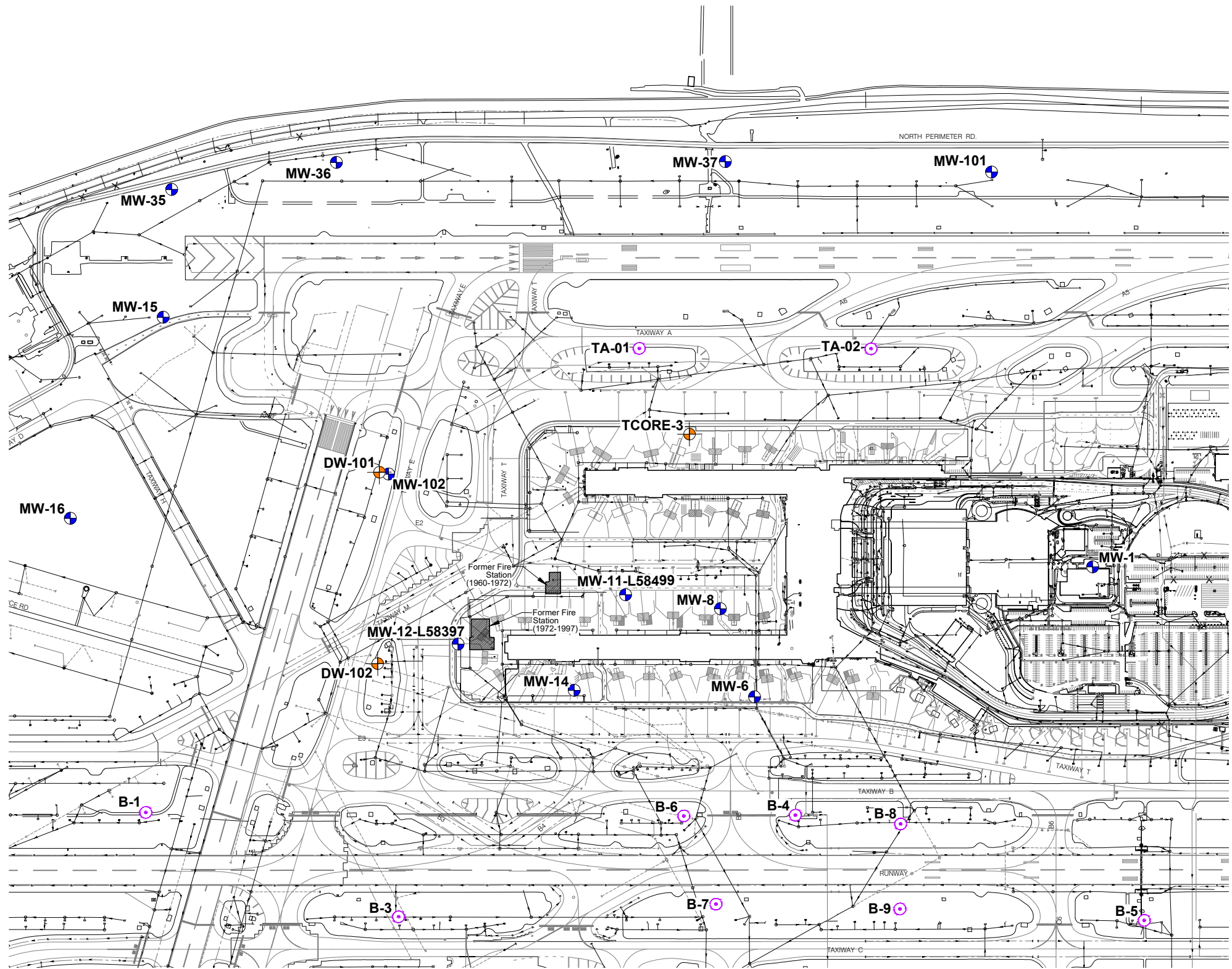


Site Vicinity Plan

Former Fire Stations Groundwater Characterization Report
Port of Portland
Portland, Oregon

 Apex Companies, LLC 15618 SW 72nd Avenue Tigard, Oregon 97224	Project Number: 32-24009923	Drawn: JP	Approved: HFC	Figure 2
	October 2025			

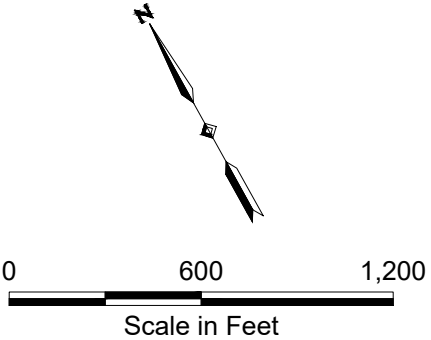
I:\Client\Port of Portland\Environmental Services Contract\Fire Training Facilities Inv\2025 Groundwater Characterization\32-24009923 02-09 (Site Plans).dwg Modified 9/23/2025 by JPoore



Note: Base map prepared from a 2013 Port of Portland AutoCAD base and Oregon Metro www.oregonmetro.gov/rliis.

Legend:

- MW-8 Overbank Deposit (OD) Monitoring Well Location
- TCORE-3 Columbia River Sand Aquifer (CRSA) Monitoring Well Location
- TA-01 Shallow Temporary Boring Location
- Underground Storm Sewer Pipeline
- Underground Subdrain Sewer Pipeline
- Abandoned Storm Sewer Pipeline
- Catch Basin
- Manhole
- Cleanout



Site Plan

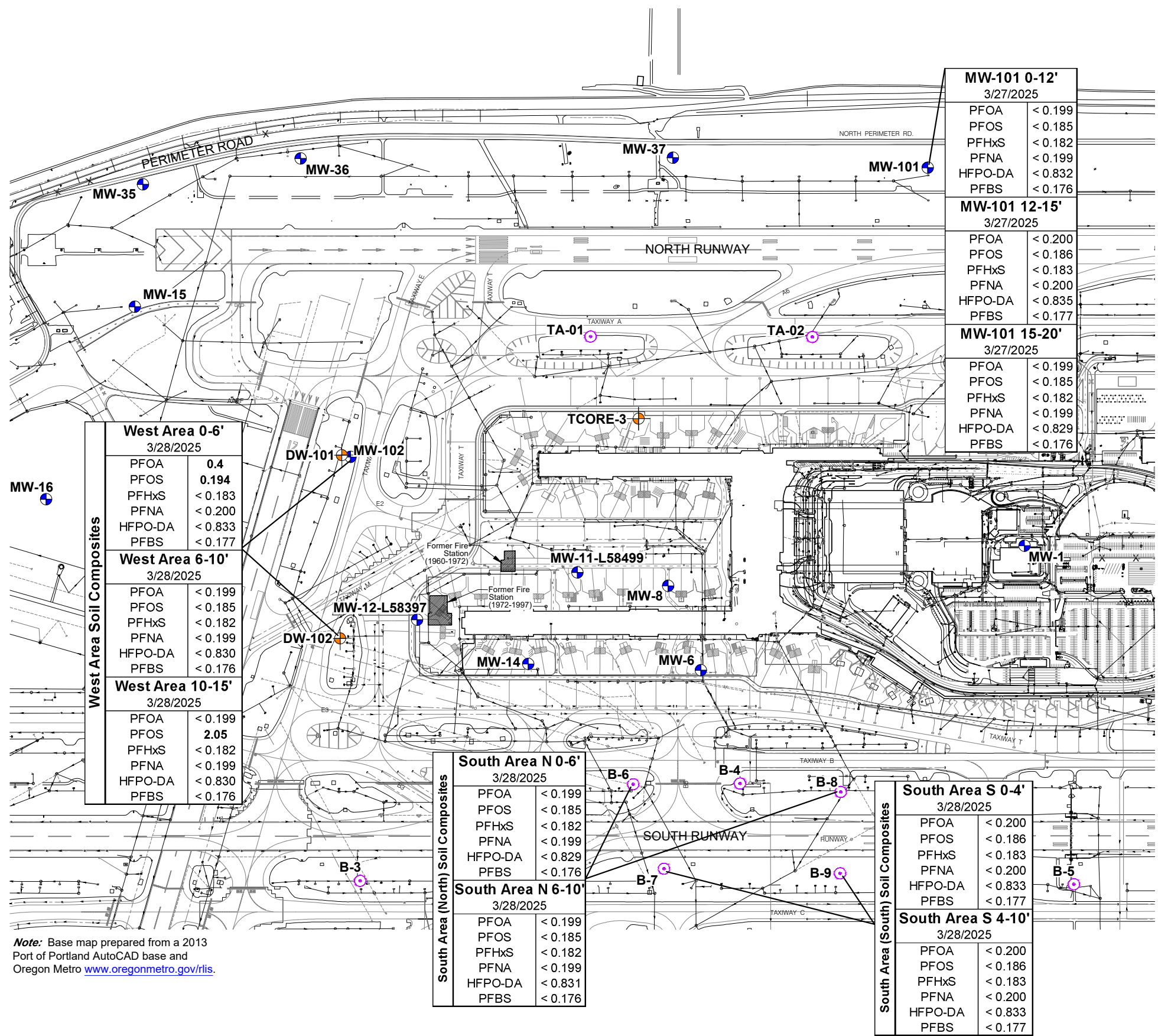
Former Fire Stations Groundwater Characterization Report
Port of Portland
Portland, Oregon

Apex Companies, LLC
15618 SW 72nd Avenue
Tigard, Oregon 97224

Project Number: 32-24009923
Drawn: JP
Approved: HFC
October 2025

Figure
3

I:\Client\Port of Portland\Environmental Services Contract\Fire Training Facilities Inv\2025 Groundwater Characterization\32-24009923 02-09 (Site Plans).dwg Modified 9/23/2025 by JPoore



Legend:

MW-8 Overbank Deposit (OD)
Monitoring Well Location

TCORE-3 Columbia River Sand Aquifer (CRSA)
Monitoring Well Location

TA-01 Shallow Temporary Boring Location

Location Identification and Sample Depth

Date Sampled

Concentration in Nanograms
per Gram (ng/g)

Analyte Sampled

Underground Storm Sewer Pipeline

Underground Subdrain Sewer Pipeline

Abandoned Storm Sewer Pipeline

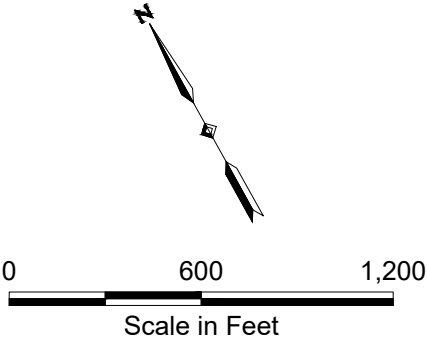
Catch Basin

Manhole

Cleanout

Abbreviations

PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane Sulfonic Acid
PFHxS	Perfluorohexane Sulfonic Acid
PFNA	Perfluorononanoic Acid
HFPO-DA	Hexafluoropropylene Oxide dimer Acid
PFBS	Perfluorobutanesulfonic Acid



Soil Analytical Results

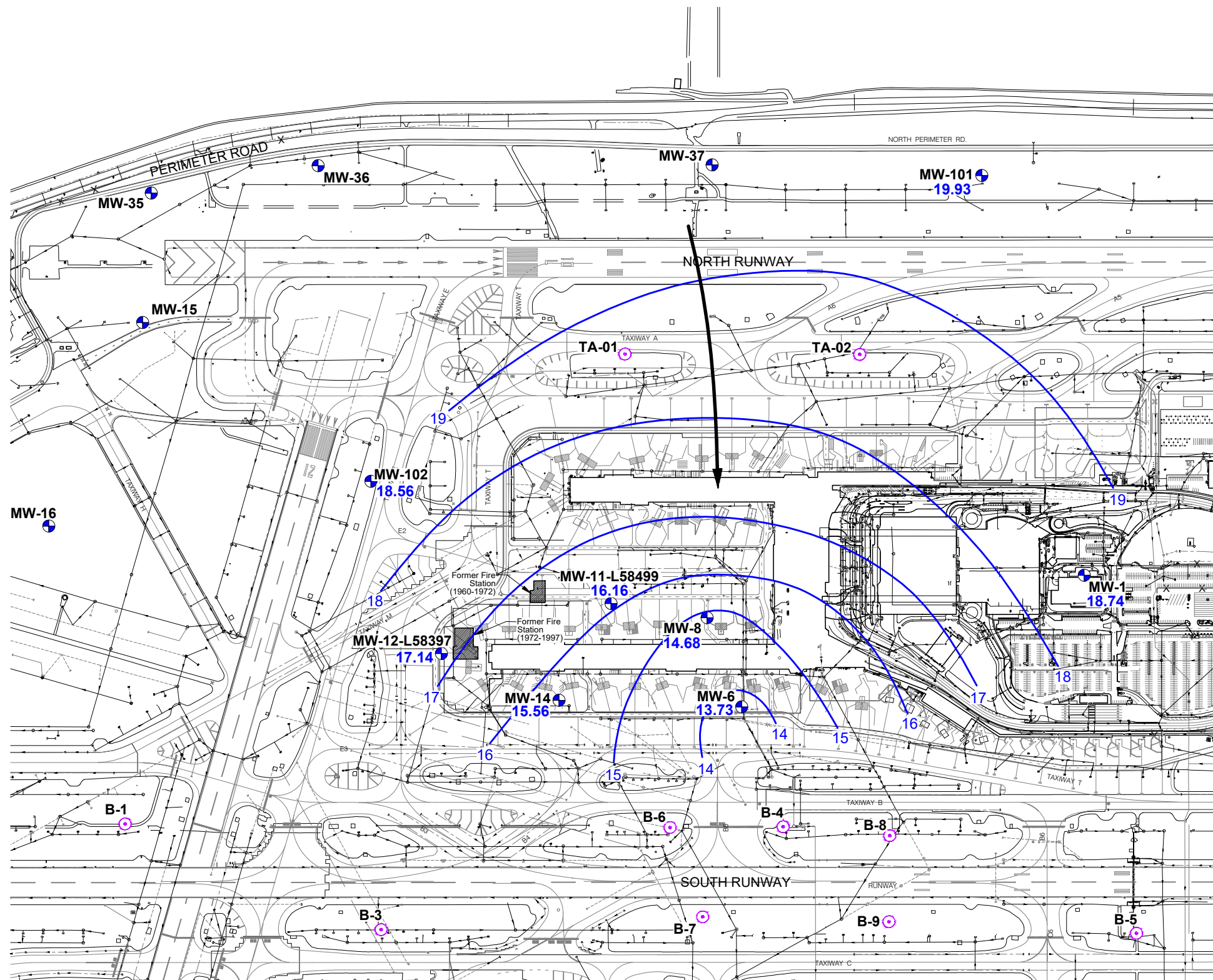
Former Fire Stations Groundwater Characterization Report
Port of Portland
Portland, Oregon

Apex Companies, LLC
15618 SW 72nd Avenue
Tigard, Oregon 97224

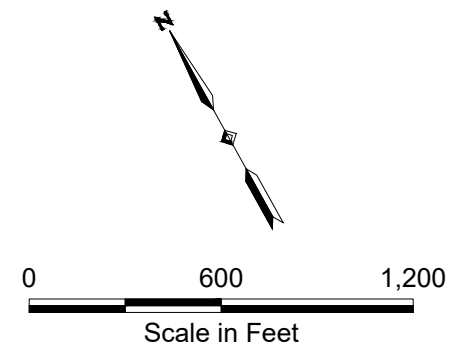
Project Number: 32-24009923
Drawn: JP
Approved: HFC
October 2025

Figure
4

I:\Client\Port of Portland\Environmental Services Contract\Fire Training Facilities Inv\2025 Groundwater Characterization\32-24009923 02-09 (Site Plans).dwg Modified 9/23/2025 by JPoore



Note: Base map prepared from a 2013 Port of Portland AutoCAD base and Oregon Metro www.oregonmetro.gov/rlls.



Shallow (OD) Groundwater Elevations Contour Map (April 2025)

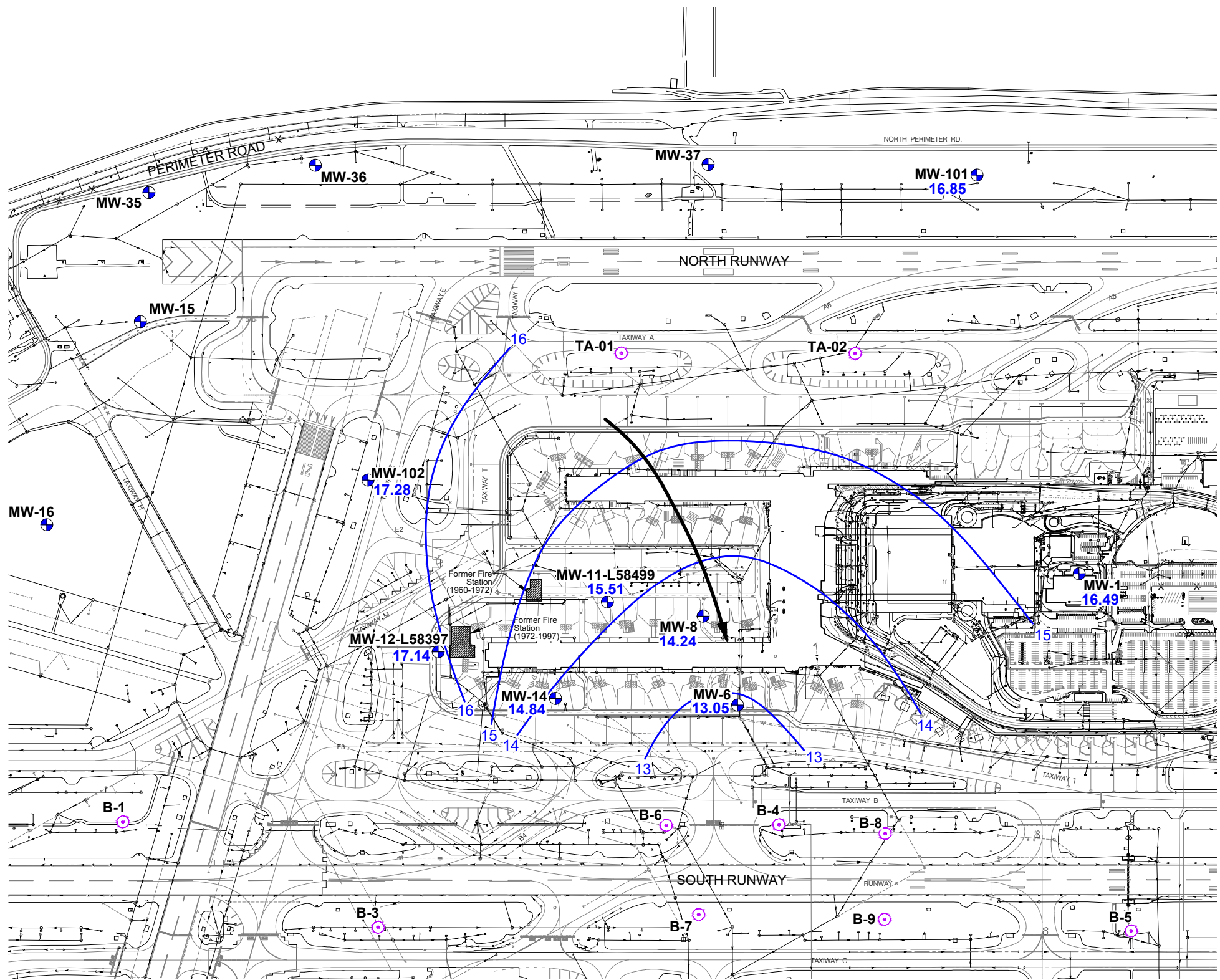
Former Fire Stations Groundwater Characterization Report
Port of Portland
Portland, Oregon

Apex Companies, LLC
15618 SW 72nd Avenue
Tigard, Oregon 97224

Project Number: 32-24009923
Drawn: JP
Approved: HFC
October 2025

Figure
5

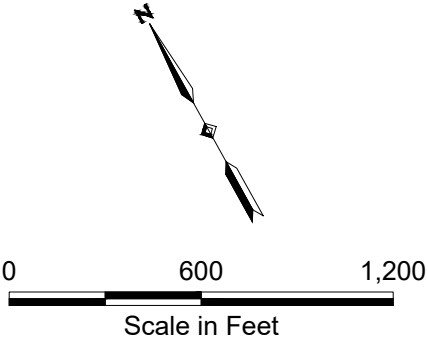
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Note: Base map prepared from a 2013 Port of Portland AutoCAD base and Oregon Metro www.oregonmetro.gov/rlls.

Legend:

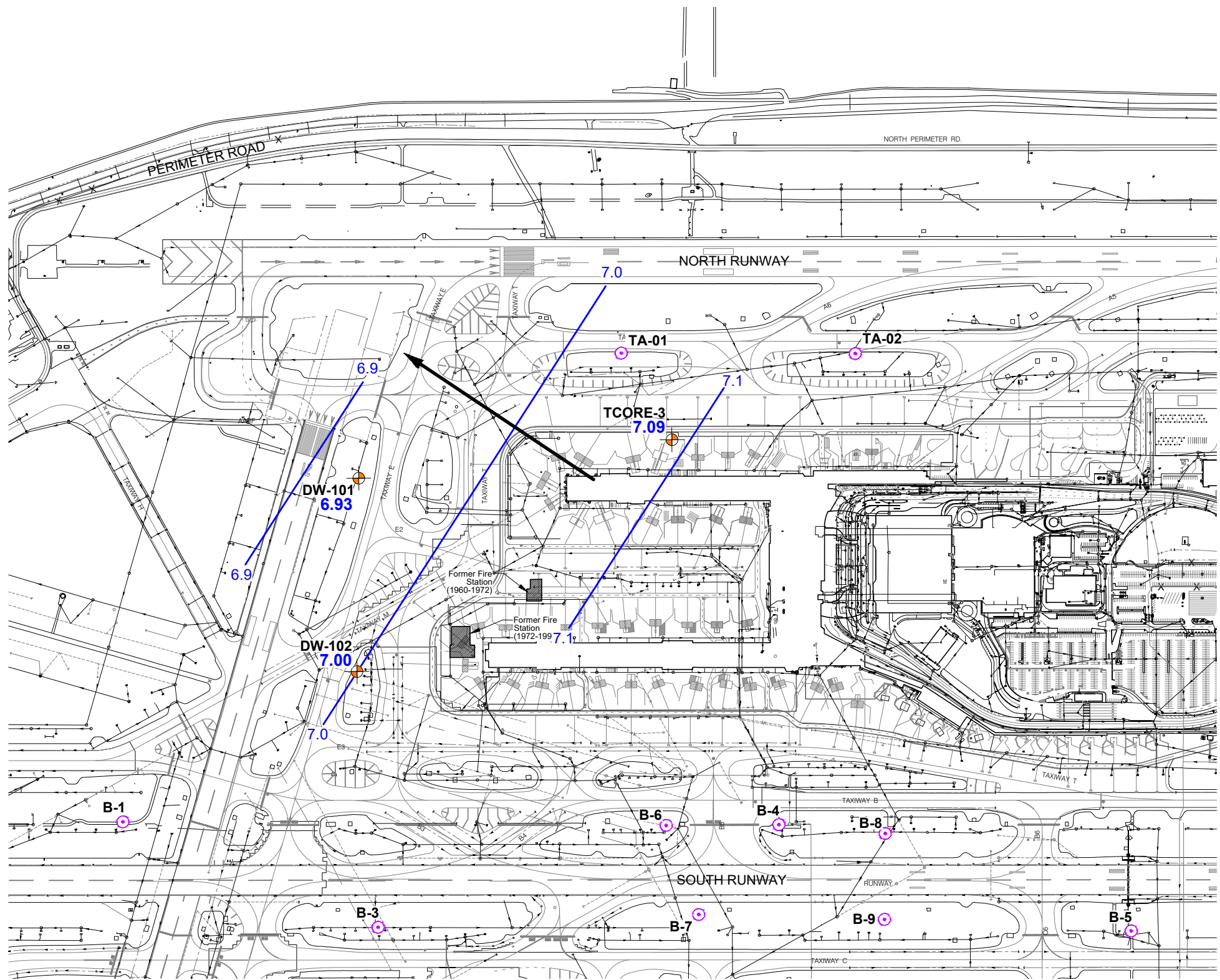
- MW-101 Overbank Deposit (OD) Monitoring Well Location
- TA-01 Shallow Temporary Boring Location
- 16.85 Groundwater Elevation in Feet MSL
- 13 Groundwater Elevation Contour
- Apparent Groundwater Flow Direction
- Underground Storm Sewer Pipeline
- Underground Subdrain Sewer Pipeline
- Abandoned Storm Sewer Pipeline
- Catch Basin
- Manhole
- Cleanout



Shallow (OD) Groundwater Elevations Contour Map (August 2025)
Former Fire Stations Groundwater Characterization Report
Port of Portland
Portland, Oregon

 Apex Companies, LLC 15618 SW 72nd Avenue Tigard, Oregon 97224	Project Number: 32-24009923	Drawn: JP	Approved: HFC	Figure 6
	October 2025			

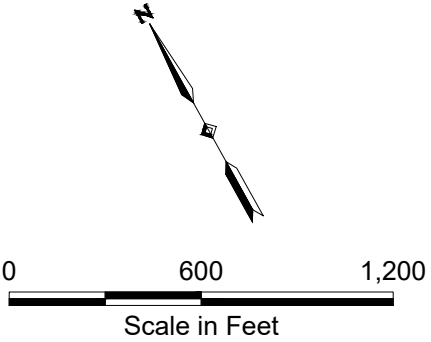
I:\Client\Port of Portland\Environmental Services Contract\Fire Training Facilities Inv\2025 Groundwater Characterization\32-24009923 02-09 (Site Plans).dwg Modified 9/23/2025 by JPoore



Note: Base map prepared from a 2013 Port of Portland AutoCAD base and Oregon Metro www.oregonmetro.gov/rllis.

Legend:

- TCORE-3 Columbia River Sand Aquifer (CRSA) Monitoring Well Location
- TA-01 Shallow Temporary Boring Location
- 7.09 Groundwater Elevation in Feet MSL
- 6.9 Groundwater Elevation Contour
- Apparent Groundwater Flow Direction
- Underground Storm Sewer Pipeline
- Underground Subdrain Sewer Pipeline
- Abandoned Storm Sewer Pipeline
- Catch Basin
- Manhole
- Cleanout



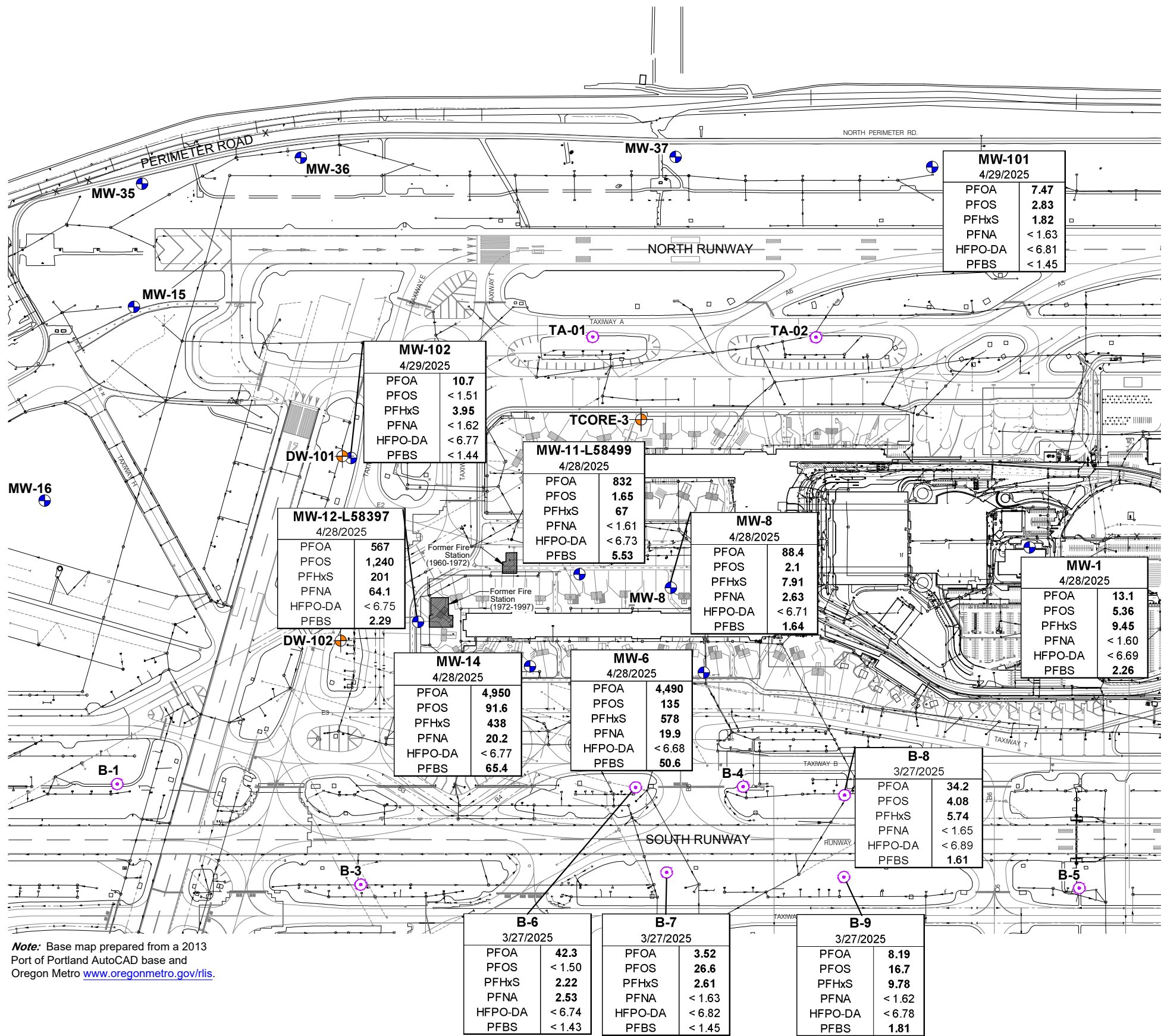
Deep (Upper CRSA) Groundwater Elevations Contour Map (August 2025)
Former Fire Stations Groundwater Characterization Report
Port of Portland
Portland, Oregon

Apex Companies, LLC
15618 SW 72nd Avenue
Tigard, Oregon 97224

Project Number: 32-24009923
Drawn: JP
Approved: HFC
October 2025

Figure
7

I:\Client\Port of Portland\Environmental Services Contract\Fire Training Facilities Inv\2025 Groundwater Characterization\32-24009923 02-09 (Site Plans).dwg Modified 9/23/2025 by JPoore



Legend:

- MW-8** Overbank Deposit (OD) Monitoring Well Location
- TCORE-3** Columbia River Sand Aquifer (CRSA) Monitoring Well Location
- TA-01** Shallow Temporary Boring Location

Location Identification

Date Sampled

Concentration in Nanograms per Liter (ng/L)

Analyte Sampled

Underground Storm Sewer Pipeline

Underground Subdrain Sewer Pipeline

Abandoned Storm Sewer Pipeline

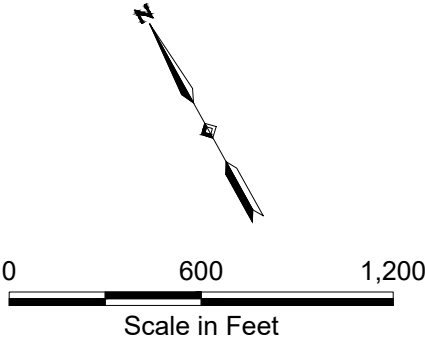
Catch Basin

Manhole

Cleanout

Abbreviations

PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane Sulfonic Acid
PFHxS	Perfluorohexane Sulfonic Acid
PFNA	Perfluorononanoic Acid
HFPO-DA	Hexafluoropropylene Oxide dimer Acid
PFBS	Perfluorobutanesulfonic Acid



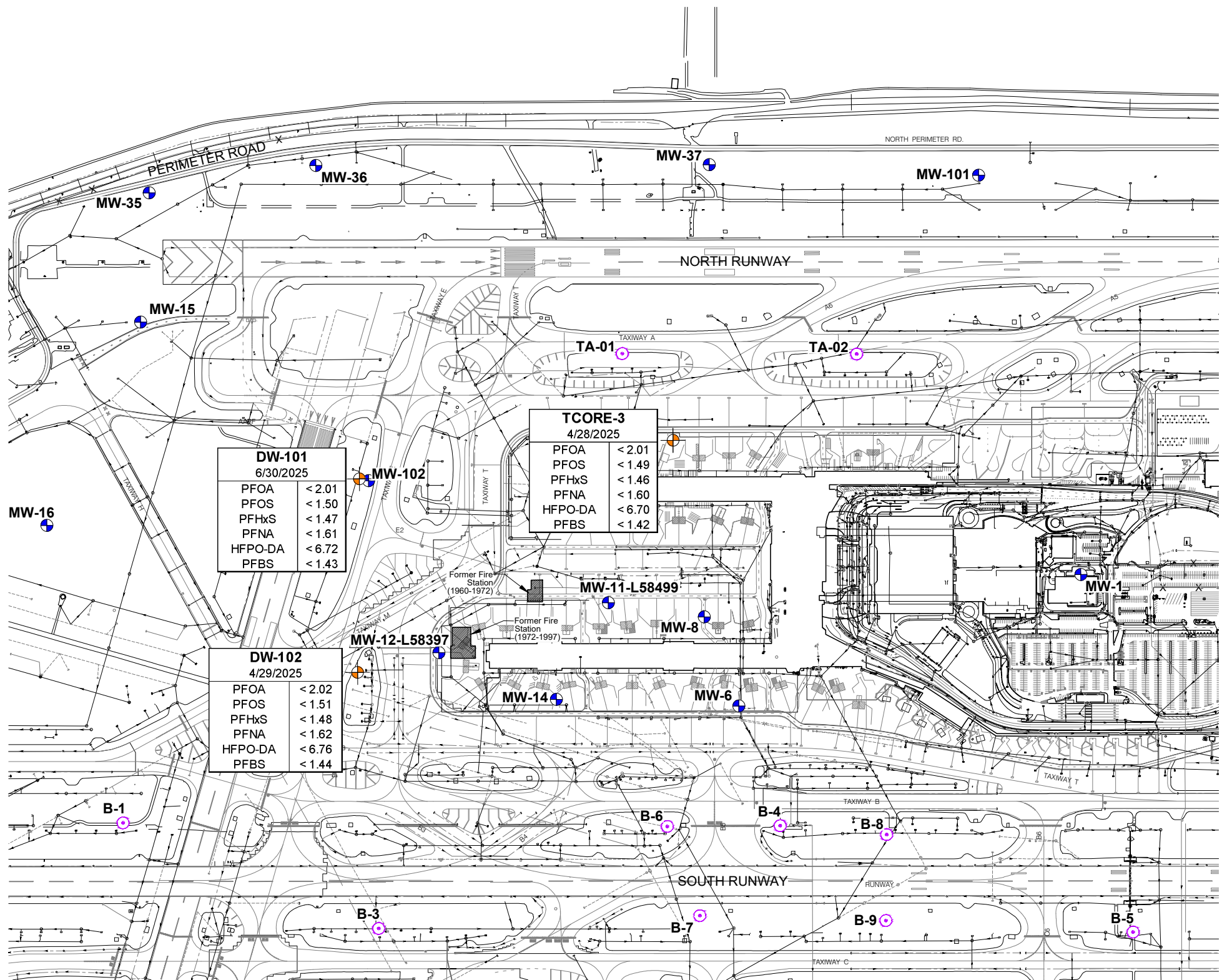
Shallow (OD) Groundwater Analytical Results (April 2025)
Former Fire Stations Groundwater Characterization Report
Port of Portland
Portland, Oregon

Apex Companies, LLC
15618 SW 72nd Avenue
Tigard, Oregon 97224

Project Number: 32-24009923
Drawn: JP
Approved: HFC
October 2025

Figure
8

I:\Client\Port of Portland\Environmental Services Contract\Fire Training Facilities Inv\2025 Groundwater Characterization\32-24009923 02-09 (Site Plans).dwg Modified 9/23/2025 by JPoore



Note: Base map prepared from a 2013 Port of Portland AutoCAD base and Oregon Metro www.oregonmetro.gov/rllis.

Legend:

- MW-8 Overbank Deposit (OD) Monitoring Well Location
- TCORE-3 Columbia River Sand Aquifer (CRSA) Monitoring Well Location
- TA-01 Shallow Temporary Boring Location

Location Identification

Date Sampled

Concentration in Milligrams per Kilogram (mg/kg)

Analyte Sampled

Underground Storm Sewer Pipeline

Underground Subdrain Sewer Pipeline

Abandoned Storm Sewer Pipeline

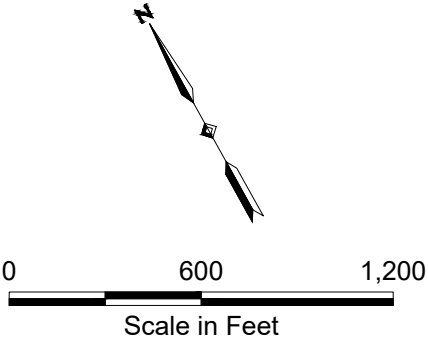
Catch Basin

Manhole

Cleanout

Abbreviations

PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane Sulfonic Acid
PFHxS	Perfluorohexane Sulfonic Acid
PFNA	Perfluorononanoic Acid
HFPO-DA	Hexafluoropropylene Oxide dimer Acid
PFBS	Perfluorobutanesulfonic Acid



Upper CRSA Groundwater Analytical Results (April/June 2025)

Former Fire Stations Groundwater Characterization Report
Port of Portland
Portland, Oregon

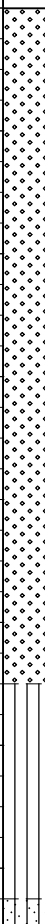
Apex Companies, LLC
15618 SW 72nd Avenue
Tigard, Oregon 97224

Project Number: 32-24009923
Drawn: JP
Approved: HFC
October 2025

Figure
9

Appendix A

Lithologic Logs

FORMER FIRE STATIONS GROUNDWATER CHARACTERIZATION PORTLAND, OREGON							BORING B-6	
APEX PROJECT NUMBER: 24009923							BORING B-6 LOCATION: (See Site Plan)	
DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	GROUND- WATER	PID (PPM)	SAMPLE NUMBER	SAMPLE/ TEMPORARY WELL(S)	RECOVERY (%)	COMMENTS/ WELL INSTALLATION
0.0		Loose, brown, well-graded SAND (SW); moist						
2.0					B-6 (0-6)		60	
4.0								
6.0								
8.0					B-6 (6-10)		70	
10.0		becomes wet			B-6-032725			Temporary screen set to sample groundwater
12.0		Soft to medium stiff, dark brown SILT (ML); medium plasticity; wet			B-6 (10-15)		80	
14.0								
16.0		Soft, dark brown SILT (ML) with sand; non-plastic; wet						
15.0			Final depth 15.0 feet bgs; boring backfilled with bentonite.					
18.0								
20.0								
22.0								
24.0								

BORING METHOD: Direct Push

DRILLED BY: Anderson Environmental Consulting LLC

BORING BIT DIAMETER: 2¼-inch

LOGGED BY: R. Paul

COMPLETED: 3/27/25

BORING LOG-ENV CORE 24009923 B6-9 MW DW 20250814.GPJ DATATMPL.GDT PRINT DATE: 8/14/25/RPG

BORING METHOD: Direct Push
 DRILLED BY: Anderson Environmental Consulting LLC
 BORING BIT DIAMETER: 2¼-inch

LOGGED BY: R. Paul
 COMPLETED: 3/27/25

FORMER FIRE STATIONS GROUNDWATER CHARACTERIZATION PORTLAND, OREGON							BORING B-9	
APEX PROJECT NUMBER: 24009923							BORING B-9 LOCATION: (See Site Plan)	
DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	GROUND- WATER	PID (PPM)	SAMPLE NUMBER	SAMPLE/ TEMPORARY WELL(S)	RECOVERY (%)	COMMENTS/ WELL INSTALLATION
0.0		Loose, brown, well-graded SAND (SW); dry						
2.0		Loose to medium dense, brown, silty SAND (SM); dry			B-9 (0-4)		70	
4.0								
6.0		becomes moist			B-9 (4-10)		80	
8.0		Stiff, dark brown-gray, lean CLAY (CL); medium plasticity; moist						
10.0		Loose, brown, silty SAND (SM); wet			B-9-032725			Temporary screen set to sample groundwater
12.0		Brown, sandy SILT (ML); non-plastic; wet			B-9 (10-15)		90	
14.0								
16.0		Final depth 15.0 feet bgs; boring backfilled with bentonite.						
18.0								
20.0								
22.0								
24.0								

BORING METHOD: Direct Push

DRILLED BY: Anderson Environmental Consulting LLC

BORING BIT DIAMETER: 2¼-inch

LOGGED BY: R. Paul

COMPLETED: 3/28/25

BORING LOG-ENV CORE 24009923 B6-9 MW DW 20250814.GPJ DATATMPL.GDT PRINT DATE: 8/14/25/RPG

BORING METHOD: Direct Push
 DRILLED BY: Anderson Environmental Consulting LLC
 BORING BIT DIAMETER: 2¼-inch

LOGGED BY: R. Paul
 COMPLETED: 3/28/25

FORMER FIRE STATIONS GROUNDWATER CHARACTERIZATION PORTLAND, OREGON		 APEX.					BORING DW-101		
APEX PROJECT NUMBER: 24009923							BORING DW-101 LOCATION: (See Site Plan)		
DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	GROUND- WATER	PID (PPM)	SAMPLE NUMBER	SAMPLE/ TEMPORARY WELL(S)	RECOVERY (%)	COMMENTS/ WELL INSTALLATION	
0.0		Loose, light brown, well-graded SAND (SW); fine to coarse sand; dry		0.5				Tag ID#L136331 Well ID# DW-101	
2.0					DW-101 (0-6)		100	Flush-Mount Monument	
4.0								No field evidence of contamination encountered	
6.0				0.4	DW-101 (6-10)		60	Hand augered to 5 feet bgs	
8.0								Bentonite Grout	
10.0		becomes moist	Loose, brown, silty SAND (SM); fine to coarse sand; wet		0.7	DW-101 (10-15)		100	2-inch PVC Casing
12.0			Soft, dark brown SILT (ML); non-plastic; trace sand; wet						
14.0									
16.0			becomes dark gray; low plasticity					100	
18.0									
20.0		Soft, dark gray, sandy SILT (ML); low plasticity; wet							
22.0		Soft, dark greenish gray with green mottling, lean CLAY (CL); medium plasticity; moist		0.0			100		
24.0		trace organics, slight organic odor at 23 feet bgs							

BORING METHOD: Sonic Drilling

DRILLED BY: Holt Services

BORING BIT DIAMETER: 4-inch

LOGGED BY: R. Paul

COMPLETED: 6/24/25

BORING METHOD: Sonic Drilling
 DRILLED BY: Holt Services
 BORING BIT DIAMETER: 4-inch

LOGGED BY: R. Paul
 COMPLETED: 6/24/25

BORING LOG-ENV CORE 24009923 B6-9 MW DW 20250814.GPJ DATATMPL.GDT PRINT DATE: 8/14/25/RPG

FORMER FIRE STATIONS GROUNDWATER CHARACTERIZATION PORTLAND, OREGON							BORING DW-101 (continued)	
APEX PROJECT NUMBER: 24009923							BORING DW-101 LOCATION: (See Site Plan)	
DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	GROUND- WATER	PID (PPM)	SAMPLE NUMBER	SAMPLE/ TEMPORARY WELL(S)	RECOVERY (%)	COMMENTS/ WELL INSTALLATION
26.0		Soft, dark greenish gray with green mottling, lean CLAY (CL); medium plasticity; moist		0.0			100	Tag ID#L136331 Well ID# DW-101
28.0								
30.0		Loose, dark gray, silty SAND (SM); fine sand; moist		0.0			100	← Bentonite Grout
32.0								
34.0		Soft, dark brown, sandy SILT (ML); low plasticity; fine sand; damp		0.0			100	← 2-inch PVC Casing
36.0								
38.0				0.0			100	
40.0								
42.0		Loose, dark brown, silty SAND (SM); fine sand; moist		0.0			100	
44.0								
46.0		Loose, gray, well-graded SAND (SW); fine to coarse sand; damp					100	
48.0								
50.0							100	

BORING METHOD: Sonic Drilling

DRILLED BY: Holt Services

BORING BIT DIAMETER: 4-inch

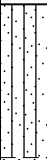
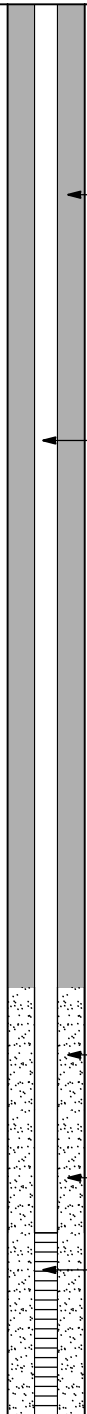
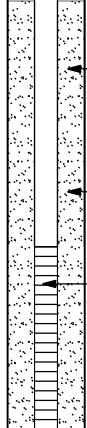
LOGGED BY: R. Paul

COMPLETED: 6/24/25

BORING LOG-ENV CORE 24009923 B6-9 MW DW 20250814.GPJ DATATMPL.GDT PRINT DATE: 8/14/25/RPG

BORING METHOD: Sonic Drilling
 DRILLED BY: Holt Services
 BORING BIT DIAMETER: 4-inch

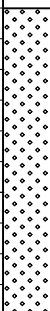
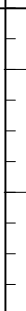
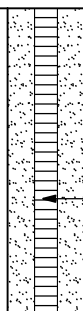
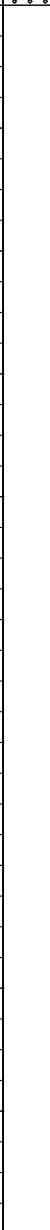
LOGGED BY: R. Paul
 COMPLETED: 6/24/25

FORMER FIRE STATIONS GROUNDWATER CHARACTERIZATION PORTLAND, OREGON							BORING DW-101 (continued)	
APEX PROJECT NUMBER: 24009923							BORING DW-101 LOCATION: (See Site Plan)	
DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	GROUND- WATER	PID (PPM)	SAMPLE NUMBER	SAMPLE/ TEMPORARY WELL(S)	RECOVERY (%)	COMMENTS/ WELL INSTALLATION
50.0		Soft, dark gray SILT (ML) with sand; medium plasticity; damp		0.0				Tag ID#L136331 Well ID# DW-101
52.0								
54.0		Loose, gray, well-graded SAND (SW); fine to coarse sand; damp		0.0			100	 Bentonite Grout 2-inch PVC Casing
56.0								
58.0								
60.0								
62.0								
64.0								
66.0								
68.0								
70.0								
72.0								
74.0		Loose, gray, silty SAND (SM); fine sand; wet					100	 20/40 Sand 12/20 Sand 2-inch, 0.10" Slot, Schedule 40 PVC
BORING METHOD: Sonic Drilling DRILLED BY: Holt Services BORING BIT DIAMETER: 4-inch								
LOGGED BY: R. Paul COMPLETED: 6/24/25								

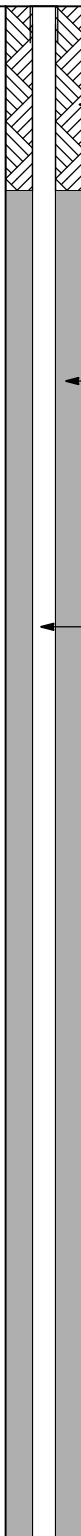
BORING LOG-ENV CORE 24009923 B6-9 MW DW 20250814.GPJ DATATMPL.GDT PRINT DATE: 8/14/25/RPG

BORING METHOD: Sonic Drilling
 DRILLED BY: Holt Services
 BORING BIT DIAMETER: 4-inch

LOGGED BY: R. Paul
 COMPLETED: 6/24/25

FORMER FIRE STATIONS GROUNDWATER CHARACTERIZATION PORTLAND, OREGON		 APEX.					BORING DW-101 (continued)								
APEX PROJECT NUMBER: 24009923							BORING DW-101 LOCATION: (See Site Plan)								
DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	GROUND- WATER	PID (PPM)	SAMPLE NUMBER	SAMPLE/ TEMPORARY WELL(S)	RECOVERY (%)	COMMENTS/ WELL INSTALLATION							
76.0		Loose, gray, well-graded SAND (SW); fine to coarse sand; moist		0.0			100	 2-inch, 0.10" Slot, Schedule 40 PVC							
78.0															
80.0															
82.0		Final depth 80.0 feet bgs; monitoring well installed to 80.0 feet bgs.													
84.0															
86.0															
88.0															
90.0															
92.0															
94.0															
96.0															
98.0															
100.0															
BORING LOG-ENV CORE 24009923 B6-9 MW DW 20250814.GPJ DATATMPL GDT PRINT DATE: 8/14/25RPG															
BORING METHOD: Sonic Drilling DRILLED BY: Holt Services BORING BIT DIAMETER: 4-inch															
LOGGED BY: R. Paul COMPLETED: 6/24/25															

BORING LOG-ENV CORE 24009923 B6-9 MW DW 20250814.GPJ DATATMPL.GDT PRINT DATE: 8/14/25/RPG

FORMER FIRE STATIONS GROUNDWATER CHARACTERIZATION PORTLAND, OREGON							BORING DW-102	
APEX PROJECT NUMBER: 24009923							BORING DW-102 LOCATION: (See Site Plan)	
DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	GROUND- WATER	PID (PPM)	SAMPLE NUMBER	SAMPLE/ TEMPORARY WELL(S)	RECOVERY (%)	COMMENTS/ WELL INSTALLATION Well ID# DW-102
0.0		Brown, poorly graded SAND (SP) with trace gravel; medium sand; coarse gravel; moist			DW-102 (0-6)			 Flush-Mount Monument Bentonite Chips 2-inch PVC Casing
2.0								
4.0								
6.0								
8.0								
10.0								
12.0								
14.0								
16.0								
18.0								
20.0								
22.0								
24.0								

BORING METHOD: Sonic Drilling

DRILLED BY: Anderson Environmental Consulting LLC

BORING BIT DIAMETER: 4-inch

LOGGED BY: C. Weer

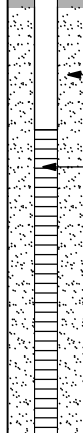
COMPLETED: 3/26/25

BORING LOG-ENV CORE 24009923 B6-9 MW DW 20250814.GPJ DATATMPL.GDT PRINT DATE: 8/14/25/RPG

FORMER FIRE STATIONS GROUNDWATER CHARACTERIZATION PORTLAND, OREGON		 APEX.					BORING DW-102 (continued)		
APEX PROJECT NUMBER: 24009923							BORING DW-102 LOCATION: (See Site Plan)		
DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	GROUND- WATER	PID (PPM)	SAMPLE NUMBER	SAMPLE/ TEMPORARY WELL(S)	RECOVERY (%)	COMMENTS/ WELL INSTALLATION Well ID# DW-102	
26.0		Brown, poorly graded SAND (SP); fine to medium sand; wet							
28.0								← Bentonite Grout	
30.0									
32.0								← 2-inch PVC Casing	
34.0									
36.0									
38.0									
40.0			becomes gray						
42.0									
44.0									
46.0									
48.0									
50.0									
BORING METHOD: Sonic Drilling DRILLED BY: Anderson Environmental Consulting LLC BORING BIT DIAMETER: 4-inch									
LOGGED BY: C. Weer COMPLETED: 3/26/25									

← Bentonite Grout

← 2-inch PVC Casing

FORMER FIRE STATIONS GROUNDWATER CHARACTERIZATION PORTLAND, OREGON							BORING DW-102 (continued)	
APEX PROJECT NUMBER: 24009923							BORING DW-102 LOCATION: (See Site Plan)	
DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	GROUND- WATER	PID (PPM)	SAMPLE NUMBER	SAMPLE/ TEMPORARY WELL(S)	RECOVERY (%)	COMMENTS/ WELL INSTALLATION Well ID# DW-102
50.0		Gray, poorly graded SAND (SP); fine to medium sand; wet						
52.0								
54.0								
56.0								
58.0								
60.0								
62.0								
64.0								
66.0								
68.0								
70.0		12/20 Sand 2-inch, 0.10 inch Slot, Schedule 40 PVC						
72.0								
74.0								

BORING LOG-ENV CORE 24009923 B6-3 MW DW 20250814.GPJ DATATMPL.GDT PRINT DATE: 8/14/25.RPG

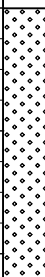
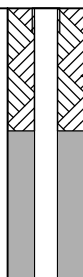
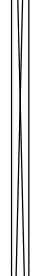
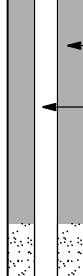
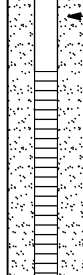
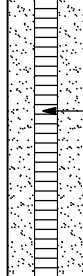
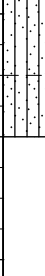
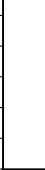
BORING METHOD: Sonic Drilling
DRILLED BY: Anderson Environmental Consulting LLC
BORING BIT DIAMETER: 4-inch

LOGGED BY: C. Weer
COMPLETED: 3/26/25

BORING LOG-ENV CORE 24009923 B6-9 MW DW 20250814.GPJ DATATMPL.GDT PRINT DATE: 8/14/25/RPG

BORING METHOD: Sonic Drilling
DRILLED BY: Anderson Environmental Consulting LLC
BORING BIT DIAMETER: 4-inch

LOGGED BY: C. Weer
COMPLETED: 3/26/25

FORMER FIRE STATIONS GROUNDWATER CHARACTERIZATION PORTLAND, OREGON							BORING MW-101	
APEX PROJECT NUMBER: 24009923							BORING MW-101 LOCATION: (See Site Plan)	
DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	GROUND- WATER	PID (PPM)	SAMPLE NUMBER	SAMPLE/ TEMPORARY WELL(S)	RECOVERY (%)	COMMENTS/ WELL INSTALLATION Well ID# L155779
0.0		Loose, brown, well-graded SAND (SW); dry						 Flush-Mount Monument
2.0							80	
4.0		Soft, brown SILT (ML); medium plasticity; trace sand; dry			MW-101 (0-12)			 Bentonite Chips 2-inch PVC Casing
6.0		becomes moist						
8.0					MW-101 (12-15)		100	 12/20 Sand
10.0		becomes wet Soft, brown SILT (ML) with sand; non- plastic; wet						
12.0					MW-101 (15-20)		100	 2-inch, 0.10" Slot, Schedule 40 PVC
14.0		becomes gray						
16.0							100	
18.0								
20.0		Soft, dark gray, sandy SILT (ML); non- plastic; wet						
		Final depth 20.0 feet bgs; monitoring well installed to 20.0 feet bgs.						
22.0								
24.0								

BORING METHOD: Direct Push

DRILLED BY: Anderson Environmental Consulting LLC

BORING BIT DIAMETER: 2¼-inch

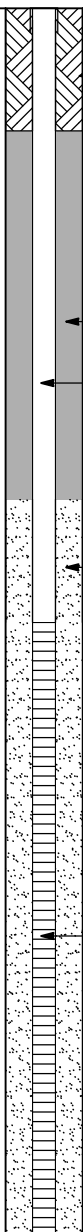
LOGGED BY: R. Paul

COMPLETED: 3/27/25

BORING LOG-ENV CORE 24009923 B6-9 MW DW 20250814.GPJ DATATMPL.GDT PRINT DATE: 8/14/25/RPG

BORING METHOD: Direct Push
 DRILLED BY: Anderson Environmental Consulting LLC
 BORING BIT DIAMETER: 2 1/4-inch

LOGGED BY: R. Paul
 COMPLETED: 3/27/25

FORMER FIRE STATIONS GROUNDWATER CHARACTERIZATION PORTLAND, OREGON		 APEX.					BORING MW-102	
APEX PROJECT NUMBER: 24009923							BORING MW-102 LOCATION: (See Site Plan)	
DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	GROUND- WATER	PID (PPM)	SAMPLE NUMBER	SAMPLE/ TEMPORARY WELL(S)	RECOVERY (%)	COMMENTS/ WELL INSTALLATION Well ID# L155780
0.0		TOPSOIL						
		Loose, brown, silty SAND (SM); fine sand; moist						
2.0		Soft, brown SILT (ML) with sand; medium plasticity; moist						
4.0								
6.0		becomes wet						
8.0		Soft, dark brown, silty SILT (ML); non-plastic; wet						
10.0		Soft, dark brown SILT (ML); medium plasticity; wet						
12.0								
14.0								
16.0								
18.0	Soft, gray SILT (ML) with sand; medium plasticity; wet							
20.0	Loose, gray, poorly graded SAND (SP); medium to coarse sand; wet							
		Final depth 20.0 feet bgs; monitoring well installed to 20.0 feet bgs.						
22.0								
24.0								

BORING METHOD: Direct Push

DRILLED BY: Anderson Environmental Consulting LLC

BORING BIT DIAMETER: 2 1/4-inch

LOGGED BY: R. Paul

COMPLETED: 3/26/25

BORING LOG-ENV CORE 24009923 B6-9 MW DW 20250814.GPJ DATATMPL.GDT PRINT DATE: 8/14/25/RPG

BORING METHOD: Direct Push
 DRILLED BY: Anderson Environmental Consulting LLC
 BORING BIT DIAMETER: 2¼-inch

LOGGED BY: R. Paul
 COMPLETED: 3/26/25

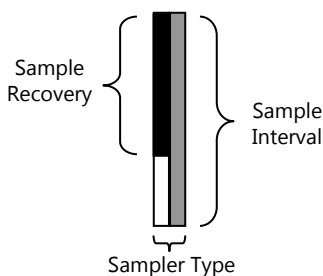
Key To Test Pit and Boring Log Symbols

SAMPLING DESCRIPTIONS

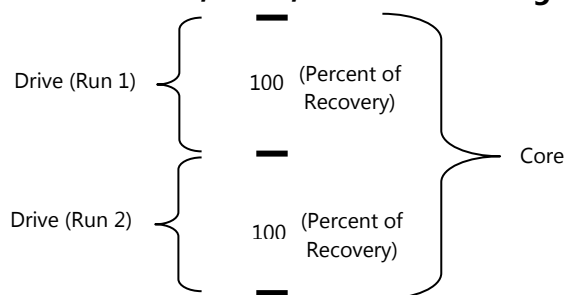
Grab Sample (Test Pits)	Environmental Soil Sample (Drilled Borings)	Screen (Water or Air Sampling)	Free Product (Hydrocarbons)	Water Level During Drilling/Excavation	Water Level After Drilling/Excavation
					

LOG GRAPHICS

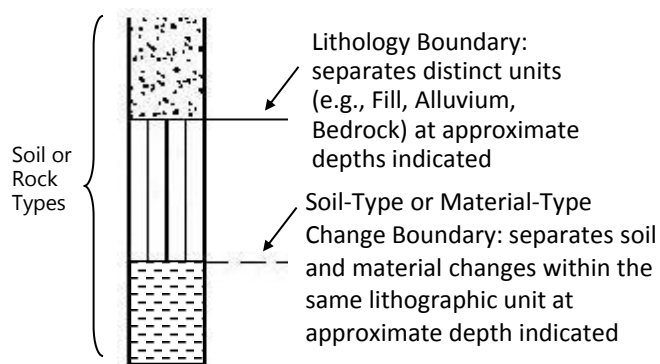
Sampling Symbols



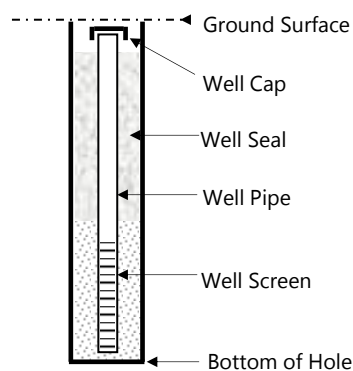
Direct Push, Sonic, Vibracore Drilling



Soil and Rock Divisions



Well Detail



ENVIRONMENTAL TESTING EXPLANATIONS

ATD	At Time of Drilling	PPM	Parts PerMillion
BGS	Below Ground Surface	ND	Not Detected
MSL	Mean Sea Level	NS	No Sheen
MW	Monitoring Well (Water Sampling)	SS	Slight Sheen
OD	Outside Diameter	MS	Moderate Sheen
PID	Photoionization Detector Headspace Analysis	HS	High Sheen

Observations presented on the logs are based on limited field data and are not intended to be used for site engineering or construction decision purposes.

Appendix B

Groundwater Well Development and Sampling Logs



PBS Engineering and
Environmental Inc.

**GROUNDWATER
SAMPLING
FORM (YSI Pro)**

Project No: 24009923

Project Name/ Location: Former Firestation PDX

Date: 6-20-25

Monitoring Well ID DW-101

Initial DTW (feet bgs) 13.81 ft

Sample ID (if not well ID) DW-101-063025

Screen Interval (feet bgs) 70 - 80 ft

Sample Time 1500

Well depth (feet bgs) 80.5 ft

QC Sample ☒ Not collected

Depth of pump/tubing inlet (feet bgs) 75.0 ft

type: ID Time

Sampling method (describe pump or sampler) Bladder / low flow

Field Personnel Ryan P.

Purge Rate (L/min) 0.200 L/min

Weather Conditions Sun, 80+

WELL PURGING INFORMATION

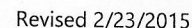
Time ☐ elapsed ☒ actual	DTW (feet)	Temp. (C)	Dissolved oxygen (mg/L)	Specific conductivity ☐ mS/cm ☒ µS/cm	pH	ORP (mV)	Turbidity (NTU)	Observations	Volume purged ☐ ltr ☒ gal
1410	13.83	20.9	1.78	399.8	6.88	-177.4	720	Turbid	0
1415	13.85	20.7	0.30	554	7.02	-197.5	698	"	0.25
1418	13.86	20.5	0.20	578	7.04	-230.9	700	"	0.40
1421	13.86	20.3	0.19	588	7.05	-241.4	751	"	0.55
1424	13.86	20.3	0.15	611	7.04	-257.4	451	"	0.70
1427	13.86	20.3	0.14	621	7.04	-264.9	425	Clearing up	0.85
1430	13.85	20.3	0.14	621	7.04	-269.8	417	Stabilizing	1.0
1433	13.85	20.4	0.13	627	7.03	-275.4	360	"	1.15
1436	13.85	20.2	0.13	628	7.03	-277.6	290	"	1.30
1439	13.85	20.1	0.12	631	7.05	-288.9	217	"	1.45
1442	13.85	20.0	0.12	631	7.04	-302.9	171	"	1.60
1445	13.83	20.2	0.11	630	7.04	-313.0	170	"	1.75
1448	13.82	20.3	0.10	634	7.03	-379.8	210	"	1.90
1451	13.82	20.2	0.10	633	7.03	-393.8	227	"	2.05
1454	13.80	20.3	0.10	637	7.03	-421.8	129	"	2.20
1457	13.81	20.3	0.10	640	7.03	-436.7	130	"	2.35
1500	13.81	20.4	0.09	639	7.03	-445.6	127	"	2.50
Total Volume Purged									2.5

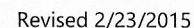
FIELD OBSERVATIONS / NOTES (such as well head condition, groundwater color, sediment load, recovery, sheen, odor, equipment)

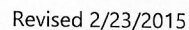
DW-101 recharges well, minimal drop in WL.

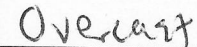
Turbidity is high & takes a while to clear up. Sampled once stable

Signature of Field Personnel:



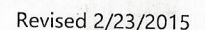


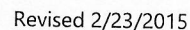


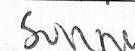


Final DTW

Revised 2/23/2015







26.0

4.5

Water in menument above casing. Brown Haze with Black Floaterz

Signature of Field Personnel:



WELL PURGING INFORMATION

FIELD OBSERVATIONS / NOTES (such as well head condition, groundwater color, sediment load, recovery, sheen, odor, equipment)



PBS Engineering and Environmental Inc.

GROUNDWATER SAMPLING FORM (YSI Pro)

Project No: 24009923

Project Name/ Firestation Ground Water
Location: POX / Portland

Location: POx / Portland

Date: 04.29.2025

Monitoring Well ID	MW-102
--------------------	--------

Initial DTW (feet bgs) 6.01

Screen Interval (feet bgs)	10-20
----------------------------	-------

Well depth (feet bgs)	20
-----------------------	----

Depth of pump/tubing inlet (feet bgs)	~15
---------------------------------------	-----

Sampling method (describe pump or sampler)	P-Pump
---	--------

Purge Rate ^{hr} (L/min)	~280-290
----------------------------------	----------

Sample ID (if not well ID)	MW-102-042925
----------------------------	---------------

Sample Time | 1105

QC Sample	☒ Not collected
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
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87	
88	
89	
90	
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	

type: _____ ID _____ Time _____

Field Personnel | SKC CW

Weather Conditions	Overcast
--------------------	----------

WELL PURGING INFORMATION

WELL LOGGING INFORMATION									
☐ Time elapsed ☒ actual	DTW (feet)	Temp. (°C)	Dissolved oxygen (mg/L)	Specific conductivity ☐ mS/cm ☒ μS/cm	pH	ORP (mV)	Turbidity (NTU)	Observations	Volume purged ☒ ltr ☐ gal
EPA stabilization goals:	<0.32' drawdown	N/A	±10%	±3%	±0.1	±10mV	±10%		
1055	6.03	13.8	0.134	206.5	6.34	29.7	17.3	clear	
1058	6.04	13.8	0.126	206.4	6.34	29.6	14.0	clear	
1101	6.05	13.8	0.122	206.2	6.34	29.3	15.6	clear	
Total Volume Purged									4.5

FIELD OBSERVATIONS / NOTES (such as well head condition, groundwater color, sediment load, recovery, sheen, odor, equipment)	

Signature of Field Personnel: 



WELL PURGING INFORMATION

Total Volume Purged	6.8
---------------------	-----

Appendix C

Laboratory Quality Assurance/Quality Control Review and Analytical Laboratory Reports

Appendix C – Analytical Laboratory Reports and Quality Assurance / Quality Control Review

1.0 Introduction

This appendix documents the results of a quality assurance/quality control (QA/QC) review of the analytical data for soil and water samples collected at the Portland International Airport Fire Training Facilities, Portland, Oregon. Samples from the Site were analyzed by Enthalpy Analytical (Enthalpy) of El Dorado Hills, California. Copies of the analytical laboratory reports are included in this appendix and referenced in Table 1 as follows.

Table 1: Analytical Laboratory Reports

Report	Report Date	Sampling Event
2504008	April 16, 2025	Former Fire Stations Characterization
2505033	May 27, 2025	
2507030	July 24, 2025	

2.0 Data Validation

The QA review outlines the applicable quality control criteria utilized during the data review process, as well as any deviations from those criteria. Examination and validation of the laboratory summary reports include:

- Analytical preparation and quantitation methods;
- Analytical method holding times;
- Field and sampling procedures;
- Sample management;
- Chain of custody handling;
- Detection and reporting limits;
- Analyte identification and quantitation;
- Method blank and equipment blank detections;
- Ongoing precision and recovery (OPR) recoveries to assess laboratory accuracy;
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) differences to assess laboratory precision; and
- Field duplicates to assess sampling and laboratory precision

Appendix C – Analytical Laboratory Reports and Quality Assurance / Quality Control Review

The QA/QC review did not include a review of raw data.

This QA/QC review documents the relationship between analytical findings and data quality objectives based on precision and accuracy. It also summarizes possible error or bias and the effect on data quality and usability.

The laboratory quality control (QC) samples provided in data packages were used to evaluate laboratory contamination or background interferences, sample preparation efficiency, instrumentation performance, and sample matrix interferences. The QC samples provided by the analytical laboratories include method blanks, laboratory control samples (LCS) and ongoing precision and recovery (OPR). Labeled standards were also analyzed to assess sample preparation efficiency and matrix interferences.

2.1 Data Qualifiers

Any data that is found to have possible bias or error was qualified and flagged. The following are flags used in this QA/QC review and data tables.

Table 2: Qualifier Flags

J	Results are estimated.
---	------------------------

3.0 Analytical Methods

The samples were extracted and analyzed for a select list of per- and polyfluorinated alkyl substances (PFAS) using U.S. Environmental Protection Agency [EPA] Method 1633 by Enthalpy of El Dorado Hills, California. The EPA method includes an analytical list of 40 PFAS compounds. Historical results had fewer compounds reported.

The results for PFHxS, PFOA, PFOSA, PFOS, PFNA, MeFOSAA, EtFOSAA, MeFOSA, MeFOSE, EtFOSA and EtFOSE include both linear and branched isomers. Results for all other PFAS include linear isomers only.

4.0 Data Quality Assurance Review

The general QA objectives for this project were to develop and implement procedures for obtaining, evaluating, and confirming the usability of data of a specified quality. To collect such information, analytical data must have an appropriate degree of accuracy and reproducibility, samples collected must be

Appendix C – Analytical Laboratory Reports and Quality Assurance / Quality Control Review

representative of actual field conditions, and samples must be collected and analyzed using unbroken chain-of-custody procedures.

Reporting limits and analytical results were compared to cleanup and screening levels for each parameter in the matrix of concern. Precision, accuracy, completeness, and comparability parameters used to indicate data quality are defined below.

4.1 Field and Sampling Procedures

Apex collected groundwater samples from select overbank deposit (OD) wells and upper Columbia River Sand Aquifer (CRSA) wells in accordance with the low-flow sampling techniques. Groundwater samples were collected using dedicated PFAS-free tubing (e.g. high-density polyethylene [HDPE]) and a peristaltic pump or bladder pump). Groundwater was purged prior to sampling, and groundwater field parameters were measured for pH, oxidation-reduction potential (ORP), dissolved oxygen (DO), specific conductance, and temperature using a flow cell connected to the discharge tubing of the sample pump. Turbidity of the water was monitored visually with color and clarity being recorded on the sampling data sheet. Purging was considered complete when the water quality parameters stabilized to within five (5) percent and the water was visually clear for three consecutive three-minute intervals.

To prevent cross-contamination between sampling events, clean, dedicated sampling equipment (e.g., groundwater sampling tubing) was used for each sampling event and was discarded after use. Cleaning of non-disposable items (i.e., field meter, telescoping swing sampler, and water level probe) consisted of washing in a detergent (Alconox®) solution and rinsing with tap water, followed by a PFAS-free water rinse.

Samples were collected in two 250 milliliter (mL) HDPE containers per sample location. Container lids were also constructed out of HDPE. All sample containers were provided by the laboratory and certified PFAS-free. Labels containing the sample identification, sample date, and sample time were affixed to containers. This same identification information was recorded on the chain of custody document. After collection, sample containers were placed within one Ziploc® bag per sample location and chilled on wet ice.

To avoid PFAS contamination, sampling personnel avoided using items containing polytetrafluoroethylene (PTFE, also known as Teflon), low-density polyethylene (LDPE), or polypropylene as well as other items that contain PFAS, such as aluminum foil, post-it notes, waterproof field books, markers, chemical ice packs (e.g., blue ice), certain decontamination soaps, and certain product packaging (e.g., such as that found on pre-wrapped foods and snacks). Similarly, many clothing items contain PFAS, such as those coated with Teflon or incorporating a Gore-Tex membrane. Clothing items were only worn if they had been washed at least six times. Field personnel avoided the use of cosmetics, moisturizers, and hand cream. Insect repellent and sunscreen were avoided and alternative skins barriers (e.g., long sleeve clothing, wide-brimmed hats, etc.) were used. PFAS contamination prevention protocols were reviewed with subcontractors and personnel

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daily during the field activities. Before any samples were collected, the sample handler washed their hands and wore nitrile gloves while collecting and sealing sample containers.

4.2 Sample Management

Chain-of-custody documents were implemented for handling and managing samples. The samples were shipped to Enthalpy via FedEx and were packed with wet ice in two ice chests for the April and May samples and one ice chest for the July samples. Upon receipt by the laboratory, the sample temperatures were recorded as 2.8, 3.1, 1.4, 2.7 and 1.1 degrees Celsius (°C), respectively. Eighteen (18) of thirty-seven (37) soil samples and seven (7) of twenty-one (21) water samples were submitted on hold.

The chain-of-custody documents were appropriately filled out with sample identification, sample date, sample time, and analysis to be performed, and were relinquished by the Apex Companies sampler and received by Enthalpy, except as noted below:

- Sample label time for one of three containers for sample B-7-032725 was listed at 10:40 whereas the time on the chain-of-custody was listed as 2240;
- The collection time for sample MW-11-L58499-042825 was updated to 11:40;
- Samples listed as MW-101-052925 and DW-102-042926 on the chain-of-custody were reported as listed on the container labels (MW-101-042925 and DW-102-042925, respectively);
- The sample listed as EB-Bladder Pump-042924 on the chain-of-custody was reported as EB-Bladder Pump-042925; and
- Samples listed as DW-102 (0-6), DW-102 (6-10), DW-102 (10-15) and DW-102-9.5 on the chain-of-custody were updated to DW-101 (0-6), DW-101 (6-10), DW-101 (10-15) and DW-101-9.5.

The laboratory also noted that water samples B-6-032725, B-7-032725, B-8-032725, B-9-032725, MW-6-042825, MW-8-042825, MW-11-L58499-042825, MW-12-L58397-042825, MW-14-042825, MW-101-042925, DW-102-042925, DW-102-042925 and DW-101-063025 had a rust, cream or light orange tint and contained particulate, with most samples containing approximately 5% particulate. The water samples were centrifuged prior to extraction.

4.3 Holding Times

The holding time is the minimum amount of time the sample can be stored before analytes start to degrade and are not representative of initial sampling concentrations. Water samples collected in HDPE containers can be stored at ≤6°C for up to 28 days before extraction and analysis, and soil samples up to 90 days before extraction and analysis. The samples were extracted and analyzed within the recommended hold time.

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4.4 Reporting Limits

Reporting limits are the lowest concentration at which an instrument is capable of accurately detecting an analyte. They are determined by the laboratory and are based on instrumentation capabilities, the matrix of field samples, sample preparation procedures, and EPA-suggested reporting limits. Reporting limits for PFAS were consistent with historical data and below promulgated screening values.

4.5 Analyte Identification and Quantitation

Labeled standards are spiked directly into samples before preparation to determine matrix interferences and concentration of analytes. Recovery of these labeled standards automatically corrects sample concentration due to isotope dilution. Data quality is not considered affected if the signal-to-noise ratio is greater than 10:1, which was achieved, except the %R values for d3-MeFOSA and d5-EtFOSA in sample MW-101 (15-20) and 13C4-PFBA in sample DW-101-063025 were “Q” flagged due to recovery below control limits. The results for the associated analytes were ‘J’ flagged in the data tables indicating the results are estimated.

Additionally, the %R values for 5:3 FTCA in the ongoing precision and recovery standards (OPR) and laboratory control sample duplicate (LCSD) in the July water sample batch were “Q” flagged due to recovery below control limits. The results for 5:3 FTCA in the associated samples (Equip-blank, Tote-2 and DW-101-063025) were ‘J’ flagged in the data tables indicating the results are estimated.

Ion ratios help to identify compounds in complex matrices. When ion ratios are exceeded, the positive identification for the analyte is not confirmed, and the analyte is only suspected as being present in the sample. Such results are flagged in the table as analytes that are suspected to be present, but the identification could not be confirmed with ion ratios. Ion ratios for this data set were within control limits, except for PFOS in samples MW-1-042525, MW-11-L58499-042825 and MW-14-042825; PFPeA in sample MW-1-042525; and PFBS in sample MW-101-042925. These results were ‘J’ flagged in the data tables indicating the results are estimated.

4.6 Method Blanks

A method – or laboratory – blank is a quality control sample prepared by the laboratory from an analyte-free matrix and analyzed in an analytical batch along with environmental and other QC samples. It is used to assess laboratory contamination or background interferences. PFAS were not detected in analytical batch method blanks.

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4.7 Equipment Blank

An equipment blank is a sample of analyte-free water poured over or through decontaminated field sampling equipment during a sampling event. Equipment blanks assess contamination from the total sampling, sample preparation, and measurement process when decontaminated sampling equipment is used to collect samples.

Three equipment blanks were analyzed and PFAS were not detected.

4.8 Accuracy

Accuracy compares the accepted reference concentration of an analyte to the concentration determined analytically. Accuracy is measured as a percent recovery. This recovery must be within a certain range – or control limit – for the data in an analytical batch to be considered acceptable. The analytical laboratory provides quality control samples and surrogates to help determine the accuracy and acceptability of the data reported. These quality control samples and surrogates are discussed below.

4.8.1 Ongoing Precision and Recovery (OPR)

An ongoing precision and recovery standards (OPR) were analyzed by the laboratory to assess the accuracy of the analytical methods. The standards are prepared from an analyte-free matrix that is spiked with known levels of compounds of concern. The concentrations are measured and compared to the known spiked levels, expressed as a percent recovery. This percent recovery must be within method or laboratory defined control limits for data to be considered acceptable. Analytes were recovered within OPR quality control limits.

4.9 Precision

Precision is measured by how close values of duplicate analyses are to each other. These duplicate analyses are prepared from separate aliquots of the same sample and are analyzed at the same (or similar) time. Precision in the field ensures that samples taken are representative of field concentrations; this is demonstrated by field duplicates. Analytical precision is the ability of the laboratory to reproduce results that are similar to each other; this is measured through duplicate analysis of environmental and batch QC samples. Precision is estimated by the relative percent difference (RPD) between the original analysis and the duplicate analysis.

4.9.1 Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

A laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) were analyzed by the laboratory to assess the precision of the analytical method. The LCS and LCSD are prepared from an analyte-free matrix that is spiked with known levels of compounds of concern. The concentrations are measured and compared to the known spiked levels, expressed as a percent recovery. This percent recovery and the RPD

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between recoveries must be within method or laboratory defined control limits the for data to be considered acceptable. Analytes were recovered within LCS/LCSD quality control limits.

4.9.2 Field Duplicate

A field duplicate is a second field sample collected from a selected sample location. Field duplicate samples serve as a check on laboratory precision and sampling quality, as well as potential variability of the sample matrix. The field duplicate is analyzed and compared to the original sample to assess precision. This comparison can be expressed by the RPD between the original and duplicate samples. Field duplicate samples are controlled if the reported result is greater than five times the reporting limit. A field duplicate sample was collected from well MW-6. Calculated RPD values were within the 30 percent control limit.

5.0 Conclusion

In conclusion, the QA objectives have been met and the data are of sufficient quality for use in this project.



April 16, 2025

**Enthalpy Analytical - El Dorado Hills
Work Order No. 2504008**

Mr. Nick Thornton
Apex Companies, LLC
15618 S.W. 72nd Avenue
Tigard, OR 97224

Dear Mr. Thornton,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on April 01, 2025 under your Project Name 'Former Fire Stations Characterization 24009923 Task 3'.

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 kathy.zipp@enthalpy.com.

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

Sincerely,

A handwritten signature in dark ink that reads 'Kathy Zipp'.

Kathy Zipp
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. 2504008

Case Narrative

Sample Condition on Receipt:

Thirty soil samples and four water 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. As directed, eighteen soil samples were logged in and placed on hold.

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.

Samples "B-6-032725", "B-7-032725", "B-8-032725" and "B-9-032725" contained particulate and were centrifuged prior to extraction.

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, Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) and Low-Level Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the Reporting Limit concentration. The OPR recoveries were within the method acceptance criteria.

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

EPA Method 1633 (Solid)

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 outside the acceptance criteria are flagged with a "Q" qualifier. The responses of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2504008-01	B-6 (0-6)	27-Mar-25 04:00	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-02	B-6 (6-10)	27-Mar-25 04:05	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-03	B-6 (10-15)	27-Mar-25 04:10	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-04	B-7 (0-4)	27-Mar-25 22:05	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-05	B-7 (4-10)	27-Mar-25 22:15	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-06	B-7 (10-15)	27-Mar-25 22:20	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-07	B-8 (0-6)	27-Mar-25 02:35	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-08	B-8 (6-10)	27-Mar-25 02:45	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-09	B-8 (10-15)	27-Mar-25 03:10	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-10	B-9 (0-4)	27-Mar-25 23:15	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-11	B-9 (4-10)	27-Mar-25 23:25	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-12	B-9 (10-15)	27-Mar-25 23:30	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-13	MW-102 (0-6)	26-Mar-25 23:45	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-14	MW-102 (6-10)	26-Mar-25 23:50	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-15	MW-102 (10-15)	26-Mar-25 23:55	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-16	DW-102 (0-6)	26-Mar-25 23:33	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-17	DW-102 (6-10)	26-Mar-25 23:46	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-18	DW-102 (10-15)	26-Mar-25 23:55	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-19	MW-101 (0-12)	27-Mar-25 19:05	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-20	MW-101 (12-15)	27-Mar-25 19:15	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-21	MW-101 (15-20)	27-Mar-25 19:20	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-22	West Area (0-6)	28-Mar-25 00:55	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-23	West Area (6-10)	28-Mar-25 01:00	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-24	West Area (10-15)	28-Mar-25 01:10	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-25	South Area N (0-6)	28-Mar-25 01:35	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-26	South Area N (6-10)	28-Mar-25 01:37	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-27	South Area N (10-15)	28-Mar-25 01:40	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-28	South Area S (0-4)	28-Mar-25 01:43	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-29	South Area S (4-10)	28-Mar-25 01:45	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-30	South Area S (10-15)	28-Mar-25 01:48	01-Apr-25 09:41	HDPE Jar, 6 oz
2504008-31	B-6-032725	27-Mar-25 04:25	01-Apr-25 09:41	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2504008-32	B-7-032725	27-Mar-25 22:40	01-Apr-25 09:41	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2504008-33	B-8-032725	27-Mar-25 03:20	01-Apr-25 09:41	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2504008-34	B-9-032725	27-Mar-25 23:50	01-Apr-25 09:41	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:	Apex Companies, LLC		Matrix:	Aqueous		Lab Sample:	B25D058-BLK1		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923 Task										
Analyte	Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
PFBA	375-22-4	ND	6.40		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFMPA	377-73-1	ND	3.20		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
3:3 FTCA	356-02-5	ND	8.00		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFPeA	2706-90-3	ND	3.20		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFMBA	863090-89-5	ND	3.20		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFBS	375-73-5	ND	1.42		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
4:2 FTS	757124-72-4	ND	6.00		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFHxA	307-24-4	ND	1.60		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFEESA	113507-82-7	ND	2.85		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFPeS	2706-91-4	ND	1.50		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
HFPO-DA	13252-13-6	ND	6.68		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
NFDHA	151772-58-6	ND	3.20		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
5:3 FTCA	914637-49-3	ND	40.0		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFHpA	375-85-9	ND	1.60		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
ADONA	919005-14-4	ND	6.32		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFHxS	355-46-4	ND	1.46		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
6:2 FTS	27619-97-2	ND	6.07		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFOA	335-67-1	ND	2.00		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFHpS	375-92-8	ND	1.52		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
7:3 FTCA	812-70-4	ND	40.0		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFNA	375-95-1	ND	1.60		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFOSA	754-91-6	ND	1.60		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFOS	1763-23-1	ND	1.49		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
9Cl-PF3ONS	756426-58-1	ND	6.24		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFDA	335-76-2	ND	1.60		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
8:2 FTS	39108-34-4	ND	6.14		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFNS	68259-12-1	ND	1.54		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
MeFOSAA	2355-31-9	ND	1.60		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
EtFOSAA	2991-50-6	ND	1.60		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFUnA	2058-94-8	ND	1.60		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFDS	335-77-3	ND	1.54		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
11Cl-PF3OUdS	763051-92-9	ND	6.00		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFDoA	307-55-1	ND	1.60		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
MeFOSA	31506-32-8	ND	1.60		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFTTrDA	72629-94-8	ND	1.60		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFDoS	79780-39-5	ND	1.55		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
PFTeDA	376-06-7	ND	1.60		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		
EtFOSA	4151-50-2	ND	1.60		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1		

Sample ID: Method Blank					EPA Method 1633					
Client Data				Laboratory Data						
Name:	Apex Companies, LLC		Matrix:	Aqueous		Lab Sample:	B25D058-BLK1		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task									
Analyte	Conc. (ng/L)			RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSE	24448-09-7	ND		16.0		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
EtFOSE	1691-99-2	ND		16.0		B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	86.4	10 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C5-PFPeA	IS	83.8	40 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C2-4:2 FTS	IS	94.6	40 - 200			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C3-PFBS	IS	82.9	40 - 135			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C5-PFHxA	IS	85.2	40 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C4-PFHpA	IS	82.4	40 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C3-HFPO-DA	IS	82.6	40 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C2-6:2 FTS	IS	87.2	40 - 200			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C8-PFOA	IS	83.1	40 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C3-PFHxS	IS	85.7	40 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C9-PFNA	IS	67.1	40 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C2-8:2 FTS	IS	96.5	40 - 300			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C6-PFDA	IS	76.9	40 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
d3-MeFOSAA	IS	76.5	40 - 170			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C8-PFOS	IS	80.6	40 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
d5-EtFOSAA	IS	72.4	25 - 135			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C7-PFUnA	IS	74.4	30 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C8-PFOSA	IS	54.9	40 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C2-PFDoA	IS	66.6	10 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
13C2-PFTeDA	IS	61.6	10 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
d7-MeFOSE	IS	32.4	10 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
d3-MeFOSA	IS	17.0	10 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
d9-EtFOSE	IS	31.4	10 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1
d5-EtFOSA	IS	10.3	10 - 130			B25D058	07-Apr-25	0.500 L	11-Apr-25 22:13	1

RL - Reporting limit

Results reported to RL.

Sample ID: LCSD
EPA Method 1633

Name:	Apex Companies, LLC	Lab Sample:	B25D058-BS1/B25D058-BSD1	Date Extracted:	07-Apr-25
Project:	Former Fire Stations Characterization 24009923 T	QC Batch:	B25D058	Column:	BEH C18
Matrix:	Aqueous	Samp Size:	0.500/0.500 L		

Analyte	CAS Number	LCS (ng/L)	LCS Spike	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
PFBA	375-22-4	19.0	20.0	95.0		18.6	20.0	92.9	2.28		70-140	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFMPA	377-73-1	9.41	10.0	94.1		9.06	10.0	90.6	3.76		55-140	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
3:3 FTCA	356-02-5	23.8	25.0	95.1		24.2	25.0	96.7	1.74		65-130	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFPeA	2706-90-3	10.7	10.0	107		10.9	10.0	109	1.99		65-135	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFMBA	863090-89-5	9.73	10.0	97.3		9.83	10.0	98.3	0.992		60-150	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFBS	375-73-5	4.51	4.44	102		4.42	4.44	99.6	1.97		60-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
4:2 FTS	757124-72-4	17.8	18.8	94.9		17.7	18.8	94.5	0.366		70-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFHxA	307-24-4	5.18	5.00	104		5.15	5.00	103	0.562		70-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFEESA	113507-82-7	9.85	8.88	111		9.59	8.88	108	2.68		70-140	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFPeS	2706-91-4	4.57	4.72	96.8		4.49	4.72	95.2	1.63		65-140	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
HFPO-DA	13252-13-6	20.9	21.2	98.8		20.2	21.2	95.6	3.30		70-140	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
NFDHA	151772-58-6	11.1	10.0	111		10.2	10.0	102	8.45		50-150	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
5:3 FTCA	914637-49-3	114	125	91.4		109	125	87.1	4.85		70-135	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFHpA	375-85-9	4.97	5.00	99.4		5.04	5.00	101	1.30		70-150	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
ADONA	919005-14-4	21.2	20.0	106		19.9	20.0	99.5	6.12		65-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFHxS	355-46-4	4.55	4.56	99.8		4.40	4.56	96.6	3.33		65-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
6:2 FTS	27619-97-2	19.4	19.0	102		19.6	19.0	103	0.764		65-155	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFOA	335-67-1	5.41	5.00	108		5.43	5.00	109	0.221		70-150	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFHpS	375-92-8	4.61	4.76	96.8		4.51	4.76	94.8	2.10		70-150	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
7:3 FTCA	812-70-4	101	125	80.6		97.0	125	77.7	3.70		50-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFNA	375-95-1	5.65	5.00	113		5.33	5.00	107	5.87		70-150	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFOSA	754-91-6	4.90	5.00	98.0		4.97	5.00	99.3	1.30		70-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFOS	1763-23-1	4.16	4.64	89.7		4.05	4.64	87.2	2.75		55-150	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
9Cl-PF3ONS	756426-58-1	17.8	19.8	90.1		17.2	19.8	86.7	3.91		70-155	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFDA	335-76-2	5.88	5.00	118		5.53	5.00	111	6.17		70-140	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
8:2 FTS	39108-34-4	18.5	19.2	96.3		19.5	19.2	102	5.38		60-150	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFNS	68259-12-1	4.39	4.80	91.4		4.61	4.80	96.0	4.85		65-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
MeFOSAA	2355-31-9	4.75	5.00	95.0		5.02	5.00	100	5.51		50-140	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
EtFOSAA	2991-50-6	5.59	5.00	112		5.72	5.00	114	2.16		70-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFUnA	2058-94-8	4.95	5.00	99.0		4.74	5.00	94.8	4.38		70-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFDS	335-77-3	3.73	4.84	77.0		3.65	4.84	75.4	2.01		60-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
11Cl-PF3OUdS	763051-92-9	15.6	20.0	77.8		14.4	20.0	72.1	7.64		55-160	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFDaA	307-55-1	4.42	5.00	88.4		4.08	5.00	81.7	7.93		70-140	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1

Sample ID: LCSD
EPA Method 1633

Name:	Apex Companies, LLC	Lab Sample:	B25D058-BS1/B25D058-BSD1	Date Extracted:	07-Apr-25
Project:	Former Fire Stations Characterization 24009923 T	QC Batch:	B25D058	Column:	BEH C18
Matrix:	Aqueous	Samp Size:	0.500/0.500 L		

Analyte	CAS Number	LCS (ng/L)	LCS Spike	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
MeFOSA	31506-32-8	4.72	5.00	94.4		4.67	5.00	93.5	1.00		60-150	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFTTrDA	72629-94-8	5.27	5.00	105		4.96	5.00	99.2	6.02		65-140	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFDoS	79780-39-5	3.67	4.84	75.8		3.45	4.84	71.2	6.32		50-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
PFTeDA	376-06-7	4.93	5.00	98.5		4.92	5.00	98.4	0.122		60-140	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
EtFOSA	4151-50-2	4.29	5.00	85.8		4.98	5.00	99.6	14.8		65-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
MeFOSE	24448-09-7	50.3	50.0	101		48.2	50.0	96.4	4.17		70-145	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1
EtFOSE	1691-99-2	51.3	50.0	103		52.2	50.0	104	1.66		70-135	30	10-Apr-25 05:29	1	10-Apr-25 05:56	1

Labeled Standards	Type	LCS % Rec	LCS Quals	LCSD % Rec	LCSD Quals	Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
13C4-PFBA	IS	85.8		90.8		10 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C5-PFPeA	IS	82.9		85.6		40 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C2-4:2 FTS	IS	89.3		87.1		40 - 200	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C3-PFBS	IS	83.1		82.7		40 - 135	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C5-PFHxA	IS	77.0		81.1		40 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C4-PFHpA	IS	79.2		81.6		40 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C3-HFPO-DA	IS	80.7		87.8		40 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C2-6:2 FTS	IS	82.9		83.7		40 - 200	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C8-PFOA	IS	77.4		89.7		40 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C3-PFHxS	IS	80.4		86.0		40 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C9-PFNA	IS	82.8		86.2		40 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C2-8:2 FTS	IS	72.5		71.2		40 - 300	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C6-PFDA	IS	67.6		65.7		40 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
d3-MeFOSAA	IS	63.0		64.2		40 - 170	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C8-PFOS	IS	78.4		81.5		40 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
d5-EtFOSAA	IS	54.3		57.1		25 - 135	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C7-PFUnA	IS	74.0		75.6		30 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C8-PFOSA	IS	53.7		53.9		40 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C2-PFDoA	IS	64.3		66.7		10 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
13C2-PFTeDA	IS	59.5		59.2		10 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
d7-MeFOSE	IS	28.5		28.0		10 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
d3-MeFOSA	IS	17.5		15.6		10 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
d9-EtFOSE	IS	29.2		27.2		10 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1
d5-EtFOSA	IS	13.1		11.0		10 - 130	10-Apr-25 05:29	1	10-Apr-25 05:56	1

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:		Apex Companies, LLC		Matrix:		Aqueous		Lab Sample:		B25D058-BS2	
Project:		Former Fire Stations Characterization 24009923 Ta						Column:		BEH C18	
Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	12.1	12.8	94.2	70 - 140		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFMPA	377-73-1	5.63	6.40	88.0	55 - 140		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
3:3 FTCA	356-02-5	15.4	16.0	96.1	65 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFPeA	2706-90-3	6.83	6.40	107	65 - 135		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFMBA	863090-89-5	5.74	6.40	89.8	60 - 150		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFBS	375-73-5	2.98	2.84	105	60 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
4:2 FTS	757124-72-4	11.8	12.0	98.2	70 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFHxA	307-24-4	3.46	3.20	108	70 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFEESA	113507-82-7	6.76	5.68	119	70 - 140		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFPeS	2706-91-4	2.83	3.01	94.0	65 - 140		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
HFPO-DA	13252-13-6	12.0	12.8	93.7	70 - 140		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
NFDHA	151772-58-6	7.75	6.40	121	50 - 150		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
5:3 FTCA	914637-49-3	72.4	80.0	90.5	70 - 135		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFHpA	375-85-9	3.01	3.20	94.0	70 - 150		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
ADONA	919005-14-4	11.7	12.1	96.6	65 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFHxS	355-46-4	2.81	2.92	96.2	65 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
6:2 FTS	27619-97-2	12.5	12.2	103	65 - 155		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFOA	335-67-1	3.27	3.20	102	70 - 150		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFHpS	375-92-8	2.88	3.05	94.4	70 - 150		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
7:3 FTCA	812-70-4	65.5	80.0	81.9	50 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFNA	375-95-1	3.63	3.20	113	70 - 150		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFOSA	754-91-6	3.05	3.20	95.4	70 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFOS	1763-23-1	2.77	2.97	93.5	55 - 150		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
9CI-PF3ONS	756426-58-1	10.9	12.0	90.8	70 - 155		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFDA	335-76-2	3.20	3.20	100	70 - 140		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
8:2 FTS	39108-34-4	11.7	12.3	95.6	60 - 150		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFNS	68259-12-1	2.78	3.08	90.3	65 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
MeFOSAA	2355-31-9	3.49	3.20	109	50 - 140		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
EtFOSAA	2991-50-6	4.14	3.20	129	70 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFUnA	2058-94-8	3.45	3.20	108	70 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFDS	335-77-3	2.36	3.09	76.4	60 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
11CI-PF3OUdS	763051-92-9	9.35	12.1	77.4	55 - 160		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFDoA	307-55-1	3.04	3.20	95.1	70 - 140		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
MeFOSA	31506-32-8	2.78	3.20	87.0	60 - 150		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:	Apex Companies, LLC		Matrix:	Aqueous		Lab Sample:	B25D058-BS2		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923 Ta										
Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFTTrDA	72629-94-8	3.10	3.20	97.0	65 - 140		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFDoS	79780-39-5	2.35	3.10	75.6	50 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
PFTeDA	376-06-7	3.01	3.20	94.0	60 - 140		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
EtFOSA	4151-50-2	2.88	3.20	90.1	65 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
MeFOSE	24448-09-7	29.8	32.0	93.2	70 - 145		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
EtFOSE	1691-99-2	32.2	32.0	101	70 - 135		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
Labeled Standards		Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA		IS		92.6	10 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C5-PFPeA		IS		88.2	40 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C2-4:2 FTS		IS		88.7	40 - 200		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C3-PFBS		IS		81.6	40 - 135		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C5-PFHxA		IS		79.6	40 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C4-PFHpA		IS		90.1	40 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C3-HFPO-DA		IS		91.2	40 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C2-6:2 FTS		IS		84.8	40 - 200		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C8-PFOA		IS		87.1	40 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C3-PFHxS		IS		88.2	40 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C9-PFNA		IS		86.9	40 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C2-8:2 FTS		IS		76.6	40 - 300		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C6-PFDA		IS		78.0	40 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
d3-MeFOSAA		IS		65.9	40 - 170		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C8-PFOS		IS		83.1	40 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
d5-EtFOSAA		IS		59.8	25 - 135		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C7-PFUnA		IS		73.6	30 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C8-PFOSA		IS		58.8	40 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C2-PFDoA		IS		66.8	10 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
13C2-PFTeDA		IS		60.1	10 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
d7-MeFOSE		IS		28.9	10 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
d3-MeFOSA		IS		19.1	10 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
d9-EtFOSE		IS		28.8	10 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1
d5-EtFOSA		IS		13.3	10 - 130		B25D058	07-Apr-25	0.500 L	10-Apr-25 05:43	1

Sample ID: B-6-032725						EPA Method 1633				
Client Data					Laboratory Data					
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2504008-31		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	27-Mar-25 04:25		Date Received:	01-Apr-25 09:41		
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	11.3	6.45		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFMPA	377-73-1	ND	3.23		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
3:3 FTCA	356-02-5	ND	8.07		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFPeA	2706-90-3	36.8	3.23		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFMBA	863090-89-5	ND	3.23		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFBS	375-73-5	ND	1.43		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
4:2 FTS	757124-72-4	ND	6.05		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFHxA	307-24-4	23.7	1.61		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFEESA	113507-82-7	ND	2.87		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFPeS	2706-91-4	ND	1.51		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
HFPO-DA	13252-13-6	ND	6.74		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
NFDHA	151772-58-6	ND	3.23		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
5:3 FTCA	914637-49-3	ND	40.3		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFHpA	375-85-9	20.0	1.61		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
ADONA	919005-14-4	ND	6.37		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFHxS	355-46-4	2.22	1.47		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
6:2 FTS	27619-97-2	54.9	6.12		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFOA	335-67-1	42.3	2.02		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFHpS	375-92-8	ND	1.53		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
7:3 FTCA	812-70-4	ND	40.3		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFNA	375-95-1	2.53	1.61		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFOSA	754-91-6	ND	1.61		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFOS	1763-23-1	ND	1.50		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
9Cl-PF3ONS	756426-58-1	ND	6.29		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFDA	335-76-2	ND	1.61		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
8:2 FTS	39108-34-4	ND	6.19		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFNS	68259-12-1	ND	1.55		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
MeFOSAA	2355-31-9	ND	1.61		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
EtFOSAA	2991-50-6	ND	1.61		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFUnA	2058-94-8	ND	1.61		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFDS	335-77-3	ND	1.55		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
11Cl-PF3OUdS	763051-92-9	ND	6.05		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFDoA	307-55-1	ND	1.61		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
MeFOSA	31506-32-8	ND	1.61		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFTTrDA	72629-94-8	ND	1.61		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFDoS	79780-39-5	ND	1.56		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	
PFTeDA	376-06-7	ND	1.61		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1	

Sample ID: B-6-032725						EPA Method 1633			
Client Data Name: Apex Companies, LLC Matrix: Water Project: Former Fire Stations Characterization 24009923 Task Date Collected: 27-Mar-25 04:25					Laboratory Data Lab Sample: 2504008-31 Column: BEH C18 Date Received: 01-Apr-25 09:41				
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	1.61		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
MeFOSE	24448-09-7	ND	16.1		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
EtFOSE	1691-99-2	ND	16.1		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	32.7	10 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C5-PFPeA	IS	75.6	40 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C2-4:2 FTS	IS	176	40 - 200		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C3-PFBS	IS	74.5	40 - 135		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C5-PFHxA	IS	102	40 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C4-PFHpA	IS	85.5	40 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C3-HFPO-DA	IS	82.1	40 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C2-6:2 FTS	IS	124	40 - 200		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C8-PFOA	IS	84.1	40 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C3-PFHxS	IS	81.3	40 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C9-PFNA	IS	75.2	40 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C2-8:2 FTS	IS	96.1	40 - 300		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C6-PFDA	IS	92.8	40 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
d3-MeFOSAA	IS	68.0	40 - 170		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C8-PFOS	IS	79.7	40 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
d5-EtFOSAA	IS	66.6	25 - 135		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C7-PFUnA	IS	94.8	30 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C8-PFOSA	IS	59.1	40 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C2-PFDoA	IS	74.8	10 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
13C2-PFTeDA	IS	41.6	10 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
d7-MeFOSE	IS	44.1	10 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
d3-MeFOSA	IS	47.5	10 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
d9-EtFOSE	IS	38.0	10 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1
d5-EtFOSA	IS	39.7	10 - 130		B25D058	07-Apr-25	0.496 L	10-Apr-25 10:18	1

RL - Reporting limit

Results reported to RL.

Sample ID: B-7-032725

EPA Method 1633

Client Data					Laboratory Data				
Name:	Apex Companies, LLC	Matrix:	Water		Lab Sample:	2504008-32	Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	27-Mar-25 22:40	Date Received:	01-Apr-25 09:41		

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.53		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFMPA	377-73-1	ND	3.26		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
3:3 FTCA	356-02-5	ND	8.16		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFPeA	2706-90-3	3.47	3.26		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFMBA	863090-89-5	ND	3.26		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFBS	375-73-5	ND	1.45		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
4:2 FTS	757124-72-4	ND	6.12		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFHxA	307-24-4	2.51	1.63		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFEESA	113507-82-7	ND	2.91		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFPeS	2706-91-4	ND	1.53		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
HFPO-DA	13252-13-6	ND	6.82		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
NFDHA	151772-58-6	ND	3.26		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
5:3 FTCA	914637-49-3	ND	40.8		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFHpA	375-85-9	ND	1.63		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
ADONA	919005-14-4	ND	6.45		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFHxS	355-46-4	2.61	1.49		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
6:2 FTS	27619-97-2	ND	6.19		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFOA	335-67-1	3.52	2.04		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFHpS	375-92-8	ND	1.55		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
7:3 FTCA	812-70-4	ND	40.8		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFNA	375-95-1	ND	1.63		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFOSA	754-91-6	ND	1.63		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFOS	1763-23-1	26.6	1.52		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
9Cl-PF3ONS	756426-58-1	ND	6.37		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFDA	335-76-2	ND	1.63		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
8:2 FTS	39108-34-4	ND	6.26		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFNS	68259-12-1	ND	1.57		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
MeFOSAA	2355-31-9	ND	1.63		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
EtFOSAA	2991-50-6	ND	1.63		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFUnA	2058-94-8	ND	1.63		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFDS	335-77-3	ND	1.57		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
11Cl-PF3OUdS	763051-92-9	ND	6.12		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFDoA	307-55-1	ND	1.63		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
MeFOSA	31506-32-8	ND	1.63		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFTTrDA	72629-94-8	ND	1.63		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFDoS	79780-39-5	ND	1.58		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
PFTTeDA	376-06-7	ND	1.63		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1

Sample ID: B-7-032725						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2504008-32		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	27-Mar-25 22:40		Date Received:	01-Apr-25 09:41	
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	1.63		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
MeFOSE	24448-09-7	ND	16.3		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
EtFOSE	1691-99-2	ND	16.3		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	87.4	10 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C5-PFPeA	IS	80.5	40 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C2-4:2 FTS	IS	107	40 - 200		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C3-PFBS	IS	81.5	40 - 135		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C5-PFHxA	IS	82.7	40 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C4-PFHpA	IS	79.2	40 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C3-HFPO-DA	IS	79.6	40 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C2-6:2 FTS	IS	85.4	40 - 200		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C8-PFOA	IS	82.9	40 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C3-PFHxS	IS	92.2	40 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C9-PFNA	IS	89.5	40 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C2-8:2 FTS	IS	77.2	40 - 300		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C6-PFDA	IS	81.8	40 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
d3-MeFOSAA	IS	67.5	40 - 170		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C8-PFOS	IS	82.0	40 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
d5-EtFOSAA	IS	66.2	25 - 135		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C7-PFUnA	IS	93.3	30 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C8-PFOSA	IS	60.9	40 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C2-PFDoA	IS	81.1	10 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
13C2-PFTeDA	IS	57.8	10 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
d7-MeFOSE	IS	52.7	10 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
d3-MeFOSA	IS	50.5	10 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
d9-EtFOSE	IS	47.5	10 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1
d5-EtFOSA	IS	44.3	10 - 130		B25D058	07-Apr-25	0.490 L	10-Apr-25 10:32	1

RL - Reporting limit

Results reported to RL.

Sample ID: B-8-032725

EPA Method 1633

Client Data					Laboratory Data				
Name:	Apex Companies, LLC	Matrix:	Water		Lab Sample:	2504008-33	Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	27-Mar-25 03:20	Date Received:	01-Apr-25 09:41		

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	7.09	6.61		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFMPA	377-73-1	ND	3.30		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
3:3 FTCA	356-02-5	ND	8.26		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFPeA	2706-90-3	11.5	3.30		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFMBA	863090-89-5	ND	3.30		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFBS	375-73-5	1.61	1.47		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
4:2 FTS	757124-72-4	ND	6.19		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFHxA	307-24-4	7.20	1.65		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFEESA	113507-82-7	ND	2.94		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFPeS	2706-91-4	ND	1.55		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
HFPO-DA	13252-13-6	ND	6.89		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
NFDHA	151772-58-6	ND	3.30		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
5:3 FTCA	914637-49-3	ND	41.3		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFHpA	375-85-9	5.01	1.65		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
ADONA	919005-14-4	ND	6.52		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFHxS	355-46-4	5.74	1.51		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
6:2 FTS	27619-97-2	ND	6.27		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFOA	335-67-1	34.2	2.06		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFHpS	375-92-8	ND	1.57		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
7:3 FTCA	812-70-4	ND	41.3		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFNA	375-95-1	ND	1.65		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFOSA	754-91-6	ND	1.65		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFOS	1763-23-1	4.08	1.54		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
9Cl-PF3ONS	756426-58-1	ND	6.44		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFDA	335-76-2	ND	1.65		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
8:2 FTS	39108-34-4	ND	6.34		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFNS	68259-12-1	ND	1.59		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
MeFOSAA	2355-31-9	ND	1.65		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
EtFOSAA	2991-50-6	ND	1.65		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFOuA	2058-94-8	ND	1.65		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFDS	335-77-3	ND	1.59		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
11Cl-PF3OUdS	763051-92-9	ND	6.19		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFDoA	307-55-1	ND	1.65		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
MeFOSA	31506-32-8	ND	1.65		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFTTrDA	72629-94-8	ND	1.65		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFDoS	79780-39-5	ND	1.60		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
PFTTeDA	376-06-7	ND	1.65		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1

Sample ID: B-8-032725						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2504008-33		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	27-Mar-25 03:20		Date Received:	01-Apr-25 09:41	
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	1.65		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
MeFOSE	24448-09-7	ND	16.5		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
EtFOSE	1691-99-2	ND	16.5		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	65.5	10 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C5-PFPeA	IS	59.1	40 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C2-4:2 FTS	IS	93.5	40 - 200		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C3-PFBS	IS	59.0	40 - 135		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C5-PFHxA	IS	68.2	40 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C4-PFHpA	IS	61.9	40 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C3-HFPO-DA	IS	64.4	40 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C2-6:2 FTS	IS	70.1	40 - 200		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C8-PFOA	IS	67.9	40 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C3-PFHxS	IS	60.2	40 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C9-PFNA	IS	65.8	40 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C2-8:2 FTS	IS	60.2	40 - 300		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C6-PFDA	IS	65.3	40 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
d3-MeFOSAA	IS	51.5	40 - 170		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C8-PFOS	IS	63.9	40 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
d5-EtFOSAA	IS	46.8	25 - 135		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C7-PFUnA	IS	61.7	30 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C8-PFOSA	IS	44.4	40 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C2-PFDoA	IS	49.0	10 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
13C2-PFTeDA	IS	23.2	10 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
d7-MeFOSE	IS	34.8	10 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
d3-MeFOSA	IS	36.2	10 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
d9-EtFOSE	IS	28.8	10 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1
d5-EtFOSA	IS	27.2	10 - 130		B25D058	07-Apr-25	0.484 L	10-Apr-25 10:45	1

RL - Reporting limit

Results reported to RL.

Sample ID: B-9-032725						EPA Method 1633				
Client Data					Laboratory Data					
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2504008-34		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	27-Mar-25 23:50		Date Received:	01-Apr-25 09:41		
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	ND	6.50		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFMPA	377-73-1	ND	3.25		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
3:3 FTCA	356-02-5	ND	8.12		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFPeA	2706-90-3	ND	3.25		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFMBA	863090-89-5	ND	3.25		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFBS	375-73-5	1.81	1.44		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
4:2 FTS	757124-72-4	ND	6.09		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFHxA	307-24-4	2.37	1.62		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFEESA	113507-82-7	ND	2.89		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFPeS	2706-91-4	1.57	1.52		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
HFPO-DA	13252-13-6	ND	6.78		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
NFDHA	151772-58-6	ND	3.25		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
5:3 FTCA	914637-49-3	ND	40.6		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFHpA	375-85-9	1.86	1.62		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
ADONA	919005-14-4	ND	6.42		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFHxS	355-46-4	9.78	1.48		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
6:2 FTS	27619-97-2	ND	6.16		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFOA	335-67-1	8.19	2.03		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFHpS	375-92-8	ND	1.54		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
7:3 FTCA	812-70-4	ND	40.6		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFNA	375-95-1	ND	1.62		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFOSA	754-91-6	ND	1.62		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFOS	1763-23-1	16.7	1.51		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
9Cl-PF3ONS	756426-58-1	ND	6.33		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFDA	335-76-2	ND	1.62		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
8:2 FTS	39108-34-4	ND	6.23		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFNS	68259-12-1	ND	1.56		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
MeFOSAA	2355-31-9	ND	1.62		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
EtFOSAA	2991-50-6	ND	1.62		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFUnA	2058-94-8	ND	1.62		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFDS	335-77-3	ND	1.56		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
11Cl-PF3OUdS	763051-92-9	ND	6.09		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFDoA	307-55-1	ND	1.62		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
MeFOSA	31506-32-8	ND	1.62		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFTTrDA	72629-94-8	ND	1.62		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFDoS	79780-39-5	ND	1.57		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	
PFTeDA	376-06-7	ND	1.62		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1	

Sample ID: B-9-032725						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2504008-34		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	27-Mar-25 23:50		Date Received:	01-Apr-25 09:41	
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	1.62		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
MeFOSE	24448-09-7	ND	16.2		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
EtFOSE	1691-99-2	ND	16.2		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	84.1	10 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C5-PFPeA	IS	77.7	40 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C2-4:2 FTS	IS	109	40 - 200		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C3-PFBS	IS	75.9	40 - 135		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C5-PFHxA	IS	84.2	40 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C4-PFHpA	IS	76.2	40 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C3-HFPO-DA	IS	77.6	40 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C2-6:2 FTS	IS	83.7	40 - 200		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C8-PFOA	IS	86.5	40 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C3-PFHxS	IS	78.6	40 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C9-PFNA	IS	77.4	40 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C2-8:2 FTS	IS	73.1	40 - 300		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C6-PFDA	IS	82.0	40 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
d3-MeFOSAA	IS	74.1	40 - 170		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C8-PFOS	IS	82.6	40 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
d5-EtFOSAA	IS	67.6	25 - 135		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C7-PFUnA	IS	88.9	30 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C8-PFOSA	IS	59.7	40 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C2-PFDoA	IS	70.7	10 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
13C2-PFTeDA	IS	48.3	10 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
d7-MeFOSE	IS	52.5	10 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
d3-MeFOSA	IS	45.8	10 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
d9-EtFOSE	IS	49.2	10 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1
d5-EtFOSA	IS	45.4	10 - 130		B25D058	07-Apr-25	0.493 L	10-Apr-25 10:59	1

RL - Reporting limit

Results reported to RL.

Sample ID: Method Blank
EPA Method 1633

Client Data				Laboratory Data							
Name:	Apex Companies, LLC		Matrix:	Solid		Lab Sample:	B25C377-BLK1		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923 Task										
Analyte	Conc. (ng/g)			RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	ND	0.801		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFMPA	377-73-1	ND	0.400		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
3:3 FTCA	356-02-5	ND	1.00		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFPeA	2706-90-3	ND	0.399		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFMBA	863090-89-5	ND	0.400		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFBS	375-73-5	ND	0.177		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
4:2 FTS	757124-72-4	ND	0.750		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFHxA	307-24-4	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFEESA	113507-82-7	ND	0.356		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFPeS	2706-91-4	ND	0.188		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
HFPO-DA	13252-13-6	ND	0.835		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
NFDHA	151772-58-6	ND	0.400		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
5:3 FTCA	914637-49-3	ND	5.00		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFHpA	375-85-9	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
ADONA	919005-14-4	ND	0.790		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFHxS	355-46-4	ND	0.183		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
6:2 FTS	27619-97-2	ND	0.759		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFOA	335-67-1	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFHpS	375-92-8	ND	0.190		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
7:3 FTCA	812-70-4	ND	5.00		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFNA	375-95-1	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFOSA	754-91-6	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFOS	1763-23-1	ND	0.186		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
9Cl-PF3ONS	756426-58-1	ND	0.780		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFDA	335-76-2	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
8:2 FTS	39108-34-4	ND	0.768		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFNS	68259-12-1	ND	0.192		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
MeFOSAA	2355-31-9	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
EtFOSAA	2991-50-6	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFUnA	2058-94-8	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFDS	335-77-3	ND	0.193		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
11Cl-PF3OUdS	763051-92-9	ND	0.790		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFDoA	307-55-1	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
MeFOSA	31506-32-8	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFTTrDA	72629-94-8	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFDoS	79780-39-5	ND	0.194		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
PFTeDA	376-06-7	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		
EtFOSA	4151-50-2	ND	0.200		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1		

Sample ID: Method Blank					EPA Method 1633						
Client Data				Laboratory Data							
Name:	Apex Companies, LLC		Matrix:	Solid		Lab Sample:	B25C377-BLK1		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923 Task										
Analyte	Conc. (ng/g)			RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
MeFOSE	24448-09-7	ND		2.00		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
EtFOSE	1691-99-2	ND		2.00		B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C4-PFBA	IS	97.3	10 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C5-PFPeA	IS	88.1	35 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C2-4:2 FTS	IS	99.7	40 - 165			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C3-PFBS	IS	89.6	40 - 135			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C5-PFHxA	IS	94.1	40 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C4-PFHpA	IS	92.0	40 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C3-HFPO-DA	IS	93.7	40 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C2-6:2 FTS	IS	95.3	40 - 215			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C8-PFOA	IS	98.1	40 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C3-PFHxS	IS	95.6	40 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C9-PFNA	IS	97.3	40 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C2-8:2 FTS	IS	113	40 - 275			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C6-PFDA	IS	102	40 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
d3-MeFOSAA	IS	101	40 - 135			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C8-PFOS	IS	101	40 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
d5-EtFOSAA	IS	97.1	40 - 150			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C7-PFUnA	IS	103	40 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C8-PFOSA	IS	90.5	40 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C2-PFDoA	IS	104	40 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
13C2-PFTeDA	IS	105	20 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
d7-MeFOSE	IS	37.0	20 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
d3-MeFOSA	IS	43.0	10 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
d9-EtFOSE	IS	27.4	15 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	
d5-EtFOSA	IS	23.1	10 - 130			B25C377	07-Mar-25	5.00 g	11-Apr-25 05:55	1	

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:		Apex Companies, LLC		Matrix:		Solid		Lab Sample:		B25C377-BS1	
Project:		Former Fire Stations Characterization 24009923 Ta						Column:		BEH C18	
Analyte	CAS Number	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	1.95	2.00	97.7	70 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFMPA	377-73-1	0.970	1.00	97.0	30 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
3:3 FTCA	356-02-5	2.47	2.50	98.9	45 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFPeA	2706-90-3	1.02	1.00	102	60 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFMBA	863090-89-5	0.952	1.00	95.2	60 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFBS	375-73-5	0.451	0.444	102	65 - 145		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
4:2 FTS	757124-72-4	1.98	1.88	106	60 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFHxA	307-24-4	0.531	0.500	106	65 - 145		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFEESA	113507-82-7	0.954	0.888	107	70 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFPeS	2706-91-4	0.465	0.472	98.5	55 - 160		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
HFPO-DA	13252-13-6	2.25	2.12	106	70 - 145		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
NFDHA	151772-58-6	0.939	1.00	93.9	60 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
5:3 FTCA	914637-49-3	10.9	12.5	87.0	60 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFHpA	375-85-9	0.541	0.500	108	65 - 145		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
ADONA	919005-14-4	2.12	2.00	106	70 - 160		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFHxS	355-46-4	0.448	0.456	98.2	60 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
6:2 FTS	27619-97-2	1.86	1.90	97.7	55 - 200		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFOA	335-67-1	0.540	0.500	108	70 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFHpS	375-92-8	0.456	0.476	95.8	65 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
7:3 FTCA	812-70-4	11.2	12.5	89.7	60 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFNA	375-95-1	0.559	0.500	112	70 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFOSA	754-91-6	0.517	0.500	103	70 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFOS	1763-23-1	0.444	0.464	95.7	65 - 160		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
9CI-PF3ONS	756426-58-1	2.15	1.98	109	70 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFDA	335-76-2	0.551	0.500	110	70 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
8:2 FTS	39108-34-4	2.02	1.92	105	70 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFNS	68259-12-1	0.496	0.480	103	55 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
MeFOSAA	2355-31-9	0.449	0.500	89.8	65 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
EtFOSAA	2991-50-6	0.492	0.500	98.4	65 - 165		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFUnA	2058-94-8	0.498	0.500	99.6	70 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFDS	335-77-3	0.457	0.484	94.4	40 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
11CI-PF3OUdS	763051-92-9	2.40	2.00	120	45 - 160		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFDaA	307-55-1	0.484	0.500	96.8	70 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
MeFOSA	31506-32-8	0.467	0.500	93.4	70 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:		Apex Companies, LLC		Matrix:		Solid		Lab Sample:		B25C377-BS1	
Project:		Former Fire Stations Characterization 24009923 Ta						Column:		BEH C18	
Analyte	CAS Number	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFTTrDA	72629-94-8	0.498	0.500	99.6	65 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFDoS	79780-39-5	0.463	0.484	95.7	25 - 160		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
PFTeDA	376-06-7	0.514	0.500	103	65 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
EtFOSA	4151-50-2	0.545	0.500	109	70 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
MeFOSE	24448-09-7	4.77	5.00	95.5	70 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
EtFOSE	1691-99-2	4.97	5.00	99.4	70 - 135		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
Labeled Standards	Type		% Rec		Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS		98.6		10 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C5-PFPeA	IS		91.1		35 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C2-4:2 FTS	IS		102		40 - 165		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C3-PFBS	IS		98.5		40 - 135		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C5-PFHxA	IS		89.7		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C4-PFHpA	IS		85.2		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C3-HFPO-DA	IS		85.9		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C2-6:2 FTS	IS		106		40 - 215		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C8-PFOA	IS		99.4		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C3-PFHxS	IS		98.2		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C9-PFNA	IS		83.6		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C2-8:2 FTS	IS		123		40 - 275		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C6-PFDA	IS		91.8		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
d3-MeFOSAA	IS		97.8		40 - 135		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C8-PFOS	IS		98.8		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
d5-EtFOSAA	IS		92.9		40 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C7-PFUnA	IS		105		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C8-PFOSA	IS		87.5		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C2-PFDoA	IS		111		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
13C2-PFTeDA	IS		109		20 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
d7-MeFOSE	IS		24.0		20 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
d3-MeFOSA	IS		30.5		10 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
d9-EtFOSE	IS		18.1		15 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1
d5-EtFOSA	IS		12.8		10 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:09	1

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:		Apex Companies, LLC		Matrix:		Solid		Lab Sample:		B25C377-BS2	
Project:		Former Fire Stations Characterization 24009923 Ta						Column:		BEH C18	
Analyte	CAS Number	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	1.53	1.60	95.7	70 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFMPA	377-73-1	0.719	0.800	89.9	30 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
3:3 FTCA	356-02-5	1.78	2.00	88.9	45 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFPeA	2706-90-3	0.815	0.800	102	60 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFMBA	863090-89-5	0.738	0.800	92.3	60 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFBS	375-73-5	0.365	0.355	103	65 - 145		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
4:2 FTS	757124-72-4	1.50	1.50	99.7	60 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFHxA	307-24-4	0.431	0.400	108	65 - 145		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFEESA	113507-82-7	0.781	0.712	110	70 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFPeS	2706-91-4	0.375	0.376	99.6	55 - 160		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
HFPO-DA	13252-13-6	1.67	1.60	104	70 - 145		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
NFDHA	151772-58-6	0.790	0.800	98.8	60 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
5:3 FTCA	914637-49-3	8.92	10.0	89.2	60 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFHpA	375-85-9	0.407	0.400	102	65 - 145		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
ADONA	919005-14-4	1.59	1.51	105	70 - 160		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFHxS	355-46-4	0.356	0.366	97.4	60 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
6:2 FTS	27619-97-2	1.46	1.52	96.2	55 - 200		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFOA	335-67-1	0.445	0.400	111	70 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFHpS	375-92-8	0.344	0.381	90.2	65 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
7:3 FTCA	812-70-4	9.01	10.0	90.1	60 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFNA	375-95-1	0.462	0.400	116	70 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFOSA	754-91-6	0.413	0.400	103	70 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFOS	1763-23-1	0.356	0.371	95.9	65 - 160		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
9CI-PF3ONS	756426-58-1	1.63	1.50	109	70 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFDA	335-76-2	0.402	0.400	101	70 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
8:2 FTS	39108-34-4	1.52	1.54	99.1	70 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFNS	68259-12-1	0.366	0.385	95.1	55 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
MeFOSAA	2355-31-9	0.401	0.400	100	65 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
EtFOSAA	2991-50-6	0.450	0.400	113	65 - 165		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFUnA	2058-94-8	0.408	0.400	102	70 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFDS	335-77-3	0.389	0.386	101	40 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
11CI-PF3OUdS	763051-92-9	1.73	1.51	114	45 - 160		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFDaA	307-55-1	0.410	0.400	103	70 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
MeFOSA	31506-32-8	0.363	0.400	90.8	70 - 155		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:		Apex Companies, LLC		Matrix:		Solid		Lab Sample:		B25C377-BS2	
Project:		Former Fire Stations Characterization 24009923 Ta						Column:		BEH C18	
Analyte	CAS Number	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFTTrDA	72629-94-8	0.378	0.400	94.5	65 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFDoS	79780-39-5	0.359	0.388	92.5	25 - 160		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
PFTeDA	376-06-7	0.413	0.400	103	65 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
EtFOSA	4151-50-2	0.387	0.400	96.8	70 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
MeFOSE	24448-09-7	3.84	4.00	95.9	70 - 140		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
EtFOSE	1691-99-2	4.17	4.00	104	70 - 135		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
Labeled Standards	Type		% Rec		Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS		94.8		10 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C5-PFPeA	IS		91.1		35 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C2-4:2 FTS	IS		101		40 - 165		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C3-PFBS	IS		86.7		40 - 135		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C5-PFHxA	IS		88.2		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C4-PFHpA	IS		88.7		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C3-HFPO-DA	IS		84.3		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C2-6:2 FTS	IS		100		40 - 215		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C8-PFOA	IS		95.9		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C3-PFHxS	IS		92.6		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C9-PFNA	IS		93.2		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C2-8:2 FTS	IS		123		40 - 275		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C6-PFDA	IS		94.5		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
d3-MeFOSAA	IS		97.5		40 - 135		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C8-PFOS	IS		102		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
d5-EtFOSAA	IS		93.0		40 - 150		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C7-PFUnA	IS		98.0		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C8-PFOSA	IS		92.2		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C2-PFDoA	IS		102		40 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
13C2-PFTeDA	IS		95.1		20 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
d7-MeFOSE	IS		33.6		20 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
d3-MeFOSA	IS		40.5		10 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
d9-EtFOSE	IS		25.8		15 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1
d5-EtFOSA	IS		21.4		10 - 130		B25C377	07-Mar-25	5.00 g	11-Apr-25 06:22	1

Sample ID: MW-101 (0-12)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-19		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	27-Mar-25 19:05		Date Received:	01-Apr-25 09:41	
					% Solids:	78.0			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.798		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFMPA	377-73-1	ND	0.399		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
3:3 FTCA	356-02-5	ND	0.996		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFPeA	2706-90-3	ND	0.398		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFMBA	863090-89-5	ND	0.399		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFBS	375-73-5	ND	0.176		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
4:2 FTS	757124-72-4	ND	0.747		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFHxA	307-24-4	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFEESA	113507-82-7	ND	0.355		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFPeS	2706-91-4	ND	0.187		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
HFPO-DA	13252-13-6	ND	0.832		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
NFDHA	151772-58-6	ND	0.399		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
5:3 FTCA	914637-49-3	ND	4.98		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFHpA	375-85-9	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
ADONA	919005-14-4	ND	0.787		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFHxS	355-46-4	ND	0.182		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
6:2 FTS	27619-97-2	ND	0.756		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFOA	335-67-1	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFHpS	375-92-8	ND	0.189		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
7:3 FTCA	812-70-4	ND	4.98		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFNA	375-95-1	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFOSA	754-91-6	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFOS	1763-23-1	ND	0.185		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
9Cl-PF3ONS	756426-58-1	ND	0.777		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFDA	335-76-2	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
8:2 FTS	39108-34-4	ND	0.765		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFNS	68259-12-1	ND	0.191		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
MeFOSAA	2355-31-9	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
EtFOSAA	2991-50-6	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFUnA	2058-94-8	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFDS	335-77-3	ND	0.192		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
11Cl-PF3OUdS	763051-92-9	ND	0.787		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFDoA	307-55-1	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
MeFOSA	31506-32-8	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFTTrDA	72629-94-8	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFDoS	79780-39-5	ND	0.193		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
PFTeDA	376-06-7	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1

Sample ID: MW-101 (0-12)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-19		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	27-Mar-25 19:05		Date Received:	01-Apr-25 09:41	
					% Solids:	78.0			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	0.199		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
MeFOSE	24448-09-7	ND	1.99		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
EtFOSE	1691-99-2	ND	1.99		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	96.2	10 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C5-PFPeA	IS	84.7	35 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C2-4:2 FTS	IS	107	40 - 165		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C3-PFBS	IS	92.3	40 - 135		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C5-PFHxA	IS	90.3	40 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C4-PFHpA	IS	91.5	40 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C3-HFPO-DA	IS	88.9	40 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C2-6:2 FTS	IS	107	40 - 215		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C8-PFOA	IS	95.2	40 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C3-PFHxS	IS	95.8	40 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C9-PFNA	IS	93.6	40 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C2-8:2 FTS	IS	129	40 - 275		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C6-PFDA	IS	96.1	40 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
d3-MeFOSAA	IS	101	40 - 135		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C8-PFOS	IS	99.5	40 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
d5-EtFOSAA	IS	107	40 - 150		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C7-PFUnA	IS	105	40 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C8-PFOSA	IS	92.0	40 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C2-PFDoA	IS	102	40 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
13C2-PFTeDA	IS	111	20 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
d7-MeFOSE	IS	35.9	20 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
d3-MeFOSA	IS	16.6	10 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
d9-EtFOSE	IS	38.3	15 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1
d5-EtFOSA	IS	12.3	10 - 130		B25C377	07-Apr-25	6.43 g	11-Apr-25 08:51	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: MW-101 (12-15)
EPA Method 1633

Client Data					Laboratory Data				
Name:	Apex Companies, LLC	Matrix:	Soil		Lab Sample:	2504008-20	Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	27-Mar-25 19:15	Date Received:	01-Apr-25 09:41		
						% Solids:	71.0		

Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.801		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFMPA	377-73-1	ND	0.400		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
3:3 FTCA	356-02-5	ND	1.00		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFPeA	2706-90-3	ND	0.399		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFMBA	863090-89-5	ND	0.400		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFBS	375-73-5	ND	0.177		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
4:2 FTS	757124-72-4	ND	0.750		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFHxA	307-24-4	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFEESA	113507-82-7	ND	0.356		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFPeS	2706-91-4	ND	0.188		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
HFPO-DA	13252-13-6	ND	0.835		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
NFDHA	151772-58-6	ND	0.400		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
5:3 FTCA	914637-49-3	ND	5.00		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFHpA	375-85-9	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
ADONA	919005-14-4	ND	0.790		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFHxS	355-46-4	ND	0.183		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
6:2 FTS	27619-97-2	ND	0.759		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFOA	335-67-1	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFHpS	375-92-8	ND	0.190		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
7:3 FTCA	812-70-4	ND	5.00		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFNA	375-95-1	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFOSA	754-91-6	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFOS	1763-23-1	ND	0.186		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
9Cl-PF3ONS	756426-58-1	ND	0.780		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFDA	335-76-2	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
8:2 FTS	39108-34-4	ND	0.768		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFNS	68259-12-1	ND	0.192		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
MeFOSAA	2355-31-9	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
EtFOSAA	2991-50-6	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFUnA	2058-94-8	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFDS	335-77-3	ND	0.193		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
11Cl-PF3OUdS	763051-92-9	ND	0.790		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFDoA	307-55-1	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
MeFOSA	31506-32-8	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFTTrDA	72629-94-8	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFDoS	79780-39-5	ND	0.194		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
PFTeDA	376-06-7	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1

Sample ID: MW-101 (12-15)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-20		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task Date Collected: 27-Mar-25 19:15				Date Received:	01-Apr-25 09:41			
					% Solids:	71.0			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	0.200		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
MeFOSE	24448-09-7	ND	2.00		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
EtFOSE	1691-99-2	ND	2.00		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	95.8	10 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C5-PFPeA	IS	83.3	35 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C2-4:2 FTS	IS	102	40 - 165		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C3-PFBS	IS	87.1	40 - 135		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C5-PFHxA	IS	85.6	40 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C4-PFHpA	IS	85.4	40 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C3-HFPO-DA	IS	90.3	40 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C2-6:2 FTS	IS	97.6	40 - 215		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C8-PFOA	IS	104	40 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C3-PFHxS	IS	92.7	40 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C9-PFNA	IS	86.6	40 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C2-8:2 FTS	IS	105	40 - 275		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C6-PFDA	IS	92.2	40 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
d3-MeFOSAA	IS	98.1	40 - 135		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C8-PFOS	IS	101	40 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
d5-EtFOSAA	IS	99.5	40 - 150		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C7-PFUnA	IS	103	40 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C8-PFOSA	IS	91.7	40 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C2-PFDoA	IS	98.2	40 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
13C2-PFTeDA	IS	97.1	20 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
d7-MeFOSE	IS	40.5	20 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
d3-MeFOSA	IS	22.9	10 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
d9-EtFOSE	IS	39.2	15 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1
d5-EtFOSA	IS	13.8	10 - 130		B25C377	07-Apr-25	7.04 g	11-Apr-25 09:05	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: MW-101 (15-20)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-21		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	27-Mar-25 19:20		Date Received:	01-Apr-25 09:41	
					% Solids:	69.6			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.795		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFMPA	377-73-1	ND	0.397		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
3:3 FTCA	356-02-5	ND	0.993		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFPeA	2706-90-3	ND	0.396		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFMBA	863090-89-5	ND	0.397		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFBS	375-73-5	ND	0.176		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
4:2 FTS	757124-72-4	ND	0.744		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFHxA	307-24-4	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFEESA	113507-82-7	ND	0.353		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFPeS	2706-91-4	ND	0.187		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
HFPO-DA	13252-13-6	ND	0.829		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
NFDHA	151772-58-6	ND	0.397		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
5:3 FTCA	914637-49-3	ND	4.96		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFHpA	375-85-9	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
ADONA	919005-14-4	ND	0.784		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFHxS	355-46-4	ND	0.182		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
6:2 FTS	27619-97-2	ND	0.753		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFOA	335-67-1	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFHpS	375-92-8	ND	0.189		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
7:3 FTCA	812-70-4	ND	4.96		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFNA	375-95-1	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFOSA	754-91-6	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFOS	1763-23-1	ND	0.185		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
9Cl-PF3ONS	756426-58-1	ND	0.774		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFDA	335-76-2	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
8:2 FTS	39108-34-4	ND	0.762		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFNS	68259-12-1	ND	0.191		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
MeFOSAA	2355-31-9	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
EtFOSAA	2991-50-6	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFUnA	2058-94-8	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFDS	335-77-3	ND	0.192		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
11Cl-PF3OUdS	763051-92-9	ND	0.784		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFDoA	307-55-1	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
MeFOSA	31506-32-8	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFTTrDA	72629-94-8	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFDoS	79780-39-5	ND	0.193		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
PFTeDA	376-06-7	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1

Sample ID: MW-101 (15-20)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-21		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	27-Mar-25 19:20		Date Received:	01-Apr-25 09:41	
					% Solids:	69.6			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	0.199		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
MeFOSE	24448-09-7	ND	1.99		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
EtFOSE	1691-99-2	ND	1.99		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	95.5	10 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C5-PFPeA	IS	88.5	35 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C2-4:2 FTS	IS	99.9	40 - 165		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C3-PFBS	IS	88.9	40 - 135		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C5-PFHxA	IS	88.4	40 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C4-PFHpA	IS	87.3	40 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C3-HFPO-DA	IS	92.5	40 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C2-6:2 FTS	IS	97.0	40 - 215		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C8-PFOA	IS	91.5	40 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C3-PFHxS	IS	89.5	40 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C9-PFNA	IS	82.6	40 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C2-8:2 FTS	IS	117	40 - 275		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C6-PFDA	IS	95.5	40 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
d3-MeFOSAA	IS	84.0	40 - 135		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C8-PFOS	IS	96.6	40 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
d5-EtFOSAA	IS	85.8	40 - 150		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C7-PFUnA	IS	100	40 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C8-PFOSA	IS	79.9	40 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C2-PFDoA	IS	103	40 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
13C2-PFTeDA	IS	99.0	20 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
d7-MeFOSE	IS	24.3	20 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
d3-MeFOSA	IS	9.42	10 - 130	Q	B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
d9-EtFOSE	IS	21.6	15 - 130		B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1
d5-EtFOSA	IS	7.65	10 - 130	Q	B25C377	07-Apr-25	7.24 g	11-Apr-25 13:39	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: West Area (0-6)						EPA Method 1633				
Client Data					Laboratory Data					
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-22		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	28-Mar-25 00:55		Date Received:	01-Apr-25 09:41		
					% Solids:		79.6			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	ND	0.799		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFMPA	377-73-1	ND	0.399		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
3:3 FTCA	356-02-5	ND	0.998		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFPeA	2706-90-3	ND	0.398		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFMBA	863090-89-5	ND	0.399		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFBS	375-73-5	ND	0.177		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
4:2 FTS	757124-72-4	ND	0.748		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFHxA	307-24-4	ND	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFEESA	113507-82-7	ND	0.355		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFPeS	2706-91-4	ND	0.188		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
HFPO-DA	13252-13-6	ND	0.833		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
NFDHA	151772-58-6	ND	0.399		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
5:3 FTCA	914637-49-3	ND	4.99		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFHpA	375-85-9	ND	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
ADONA	919005-14-4	ND	0.788		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFHxS	355-46-4	ND	0.183		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
6:2 FTS	27619-97-2	ND	0.757		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFOA	335-67-1	0.400	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFHpS	375-92-8	ND	0.190		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
7:3 FTCA	812-70-4	ND	4.99		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFNA	375-95-1	ND	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFOSA	754-91-6	ND	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFOS	1763-23-1	0.194	0.186		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
9Cl-PF3ONS	756426-58-1	ND	0.778		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFDA	335-76-2	0.364	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
8:2 FTS	39108-34-4	0.964	0.766		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFNS	68259-12-1	ND	0.192		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
MeFOSAA	2355-31-9	ND	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
EtFOSAA	2991-50-6	ND	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFUnA	2058-94-8	ND	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFDS	335-77-3	ND	0.193		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
11Cl-PF3OUdS	763051-92-9	ND	0.788		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFDoA	307-55-1	ND	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
MeFOSA	31506-32-8	ND	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFTTrDA	72629-94-8	ND	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFDoS	79780-39-5	ND	0.194		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	
PFTeDA	376-06-7	ND	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1	

Sample ID: West Area (0-6)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-22		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	28-Mar-25 00:55		Date Received:	01-Apr-25 09:41	
					% Solids:		79.6		
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	0.200		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
MeFOSE	24448-09-7	ND	2.00		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
EtFOSE	1691-99-2	ND	2.00		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	96.9	10 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C5-PFPeA	IS	85.6	35 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C2-4:2 FTS	IS	96.5	40 - 165		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C3-PFBS	IS	85.6	40 - 135		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C5-PFHxA	IS	84.4	40 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C4-PFHpA	IS	87.1	40 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C3-HFPO-DA	IS	85.0	40 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C2-6:2 FTS	IS	92.4	40 - 215		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C8-PFOA	IS	95.1	40 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C3-PFHxS	IS	90.6	40 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C9-PFNA	IS	105	40 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C2-8:2 FTS	IS	105	40 - 275		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C6-PFDA	IS	92.0	40 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
d3-MeFOSAA	IS	91.2	40 - 135		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C8-PFOS	IS	90.9	40 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
d5-EtFOSAA	IS	85.9	40 - 150		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C7-PFUnA	IS	100	40 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C8-PFOSA	IS	77.2	40 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C2-PFDoA	IS	102	40 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
13C2-PFTeDA	IS	87.6	20 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
d7-MeFOSE	IS	44.4	20 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
d3-MeFOSA	IS	26.3	10 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
d9-EtFOSE	IS	43.3	15 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1
d5-EtFOSA	IS	21.1	10 - 130		B25C377	07-Apr-25	6.30 g	11-Apr-25 13:53	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: West Area (6-10)						EPA Method 1633				
Client Data					Laboratory Data					
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-23		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923			Task Date Collected:	28-Mar-25 01:00		Date Received:	01-Apr-25 09:41		
					% Solids:	72.3				
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	ND	0.796		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFMPA	377-73-1	ND	0.398		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
3:3 FTCA	356-02-5	ND	0.994		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFPeA	2706-90-3	ND	0.397		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFMBA	863090-89-5	ND	0.398		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFBS	375-73-5	ND	0.176		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
4:2 FTS	757124-72-4	ND	0.746		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFHxA	307-24-4	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFEESA	113507-82-7	ND	0.354		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFPeS	2706-91-4	ND	0.187		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
HFPO-DA	13252-13-6	ND	0.830		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
NFDHA	151772-58-6	ND	0.398		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
5:3 FTCA	914637-49-3	ND	4.97		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFHpA	375-85-9	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
ADONA	919005-14-4	ND	0.785		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFHxS	355-46-4	ND	0.182		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
6:2 FTS	27619-97-2	ND	0.755		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFOA	335-67-1	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFHpS	375-92-8	ND	0.189		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
7:3 FTCA	812-70-4	ND	4.97		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFNA	375-95-1	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFOSA	754-91-6	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFOS	1763-23-1	ND	0.185		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
9Cl-PF3ONS	756426-58-1	ND	0.775		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFDA	335-76-2	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
8:2 FTS	39108-34-4	ND	0.764		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFNS	68259-12-1	ND	0.191		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
MeFOSAA	2355-31-9	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
EtFOSAA	2991-50-6	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFUnA	2058-94-8	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFDS	335-77-3	ND	0.192		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
11Cl-PF3OUdS	763051-92-9	ND	0.785		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFDoA	307-55-1	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
MeFOSA	31506-32-8	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFTTrDA	72629-94-8	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFDoS	79780-39-5	ND	0.193		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	
PFTeDA	376-06-7	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1	

Sample ID: West Area (6-10)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-23		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	28-Mar-25 01:00		Date Received:	01-Apr-25 09:41	
					% Solids:	72.3			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	0.199		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
MeFOSE	24448-09-7	ND	1.99		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
EtFOSE	1691-99-2	ND	1.99		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	93.9	10 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C5-PFPeA	IS	87.1	35 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C2-4:2 FTS	IS	93.3	40 - 165		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C3-PFBS	IS	84.4	40 - 135		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C5-PFHxA	IS	87.4	40 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C4-PFHpA	IS	85.9	40 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C3-HFPO-DA	IS	83.2	40 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C2-6:2 FTS	IS	89.4	40 - 215		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C8-PFOA	IS	86.8	40 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C3-PFHxS	IS	89.9	40 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C9-PFNA	IS	79.9	40 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C2-8:2 FTS	IS	102	40 - 275		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C6-PFDA	IS	89.2	40 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
d3-MeFOSAA	IS	94.4	40 - 135		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C8-PFOS	IS	96.6	40 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
d5-EtFOSAA	IS	93.1	40 - 150		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C7-PFUnA	IS	99.8	40 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C8-PFOSA	IS	83.7	40 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C2-PFDoA	IS	102	40 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
13C2-PFTeDA	IS	84.5	20 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
d7-MeFOSE	IS	46.8	20 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
d3-MeFOSA	IS	29.7	10 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
d9-EtFOSE	IS	45.9	15 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1
d5-EtFOSA	IS	21.1	10 - 130		B25C377	07-Apr-25	6.96 g	11-Apr-25 14:06	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: West Area (10-15)							EPA Method 1633		
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-24		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923		Task Date Collected:	28-Mar-25 01:10	Date Received:	01-Apr-25 09:41			
					% Solids:	74.0			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.797		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFMPA	377-73-1	ND	0.398		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
3:3 FTCA	356-02-5	ND	0.995		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFPeA	2706-90-3	ND	0.397		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFMBA	863090-89-5	ND	0.398		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFBS	375-73-5	ND	0.176		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
4:2 FTS	757124-72-4	ND	0.746		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFHxA	307-24-4	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFEESA	113507-82-7	ND	0.354		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFPeS	2706-91-4	ND	0.187		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
HFPO-DA	13252-13-6	ND	0.830		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
NFDHA	151772-58-6	ND	0.398		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
5:3 FTCA	914637-49-3	ND	4.97		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFHpA	375-85-9	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
ADONA	919005-14-4	ND	0.786		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFHxS	355-46-4	ND	0.182		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
6:2 FTS	27619-97-2	ND	0.755		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFOA	335-67-1	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFHpS	375-92-8	ND	0.189		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
7:3 FTCA	812-70-4	ND	4.97		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFNA	375-95-1	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFOSA	754-91-6	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFOS	1763-23-1	2.05	0.185		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
9Cl-PF3ONS	756426-58-1	ND	0.776		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFDA	335-76-2	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
8:2 FTS	39108-34-4	ND	0.764		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFNS	68259-12-1	ND	0.191		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
MeFOSAA	2355-31-9	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
EtFOSAA	2991-50-6	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFUnA	2058-94-8	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFDS	335-77-3	ND	0.192		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
11Cl-PF3OUdS	763051-92-9	ND	0.786		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFDoA	307-55-1	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
MeFOSA	31506-32-8	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFTTrDA	72629-94-8	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFDoS	79780-39-5	ND	0.193		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
PFTeDA	376-06-7	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1

Sample ID: West Area (10-15)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-24		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	28-Mar-25 01:10		Date Received:	01-Apr-25 09:41	
					% Solids:	74.0			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	0.199		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
MeFOSE	24448-09-7	ND	1.99		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
EtFOSE	1691-99-2	ND	1.99		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	94.2	10 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C5-PFPeA	IS	86.4	35 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C2-4:2 FTS	IS	100	40 - 165		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C3-PFBS	IS	86.7	40 - 135		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C5-PFHxA	IS	95.9	40 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C4-PFHpA	IS	89.2	40 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C3-HFPO-DA	IS	83.1	40 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C2-6:2 FTS	IS	92.6	40 - 215		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C8-PFOA	IS	93.1	40 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C3-PFHxS	IS	91.2	40 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C9-PFNA	IS	77.2	40 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C2-8:2 FTS	IS	112	40 - 275		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C6-PFDA	IS	96.2	40 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
d3-MeFOSAA	IS	88.3	40 - 135		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C8-PFOS	IS	93.0	40 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
d5-EtFOSAA	IS	82.1	40 - 150		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C7-PFUnA	IS	102	40 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C8-PFOSA	IS	75.7	40 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C2-PFDoA	IS	101	40 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
13C2-PFTeDA	IS	93.7	20 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
d7-MeFOSE	IS	42.0	20 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
d3-MeFOSA	IS	20.8	10 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
d9-EtFOSE	IS	37.7	15 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1
d5-EtFOSA	IS	22.0	10 - 130		B25C377	07-Apr-25	6.79 g	11-Apr-25 14:20	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: South Area N (0-6)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-25		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	28-Mar-25 01:35		Date Received:	01-Apr-25 09:41	
					% Solids:	88.8			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.796		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFMPA	377-73-1	ND	0.397		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
3:3 FTCA	356-02-5	ND	0.993		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFPeA	2706-90-3	ND	0.396		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFMBA	863090-89-5	ND	0.397		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFBS	375-73-5	ND	0.176		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
4:2 FTS	757124-72-4	ND	0.745		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFHxA	307-24-4	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFEESA	113507-82-7	ND	0.354		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFPeS	2706-91-4	ND	0.187		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
HFPO-DA	13252-13-6	ND	0.829		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
NFDHA	151772-58-6	ND	0.397		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
5:3 FTCA	914637-49-3	ND	4.97		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFHpA	375-85-9	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
ADONA	919005-14-4	ND	0.785		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFHxS	355-46-4	ND	0.182		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
6:2 FTS	27619-97-2	ND	0.754		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFOA	335-67-1	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFHpS	375-92-8	ND	0.189		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
7:3 FTCA	812-70-4	ND	4.97		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFNA	375-95-1	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFOSA	754-91-6	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFOS	1763-23-1	ND	0.185		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
9Cl-PF3ONS	756426-58-1	ND	0.775		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFDA	335-76-2	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
8:2 FTS	39108-34-4	ND	0.763		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFNS	68259-12-1	ND	0.191		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
MeFOSAA	2355-31-9	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
EtFOSAA	2991-50-6	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFUnA	2058-94-8	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFDS	335-77-3	ND	0.192		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
11Cl-PF3OUdS	763051-92-9	ND	0.785		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFDoA	307-55-1	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
MeFOSA	31506-32-8	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFTTrDA	72629-94-8	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFDoS	79780-39-5	ND	0.193		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
PFTeDA	376-06-7	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1

Sample ID: South Area N (0-6)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-25		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	28-Mar-25 01:35		Date Received:	01-Apr-25 09:41	
					% Solids:	88.8			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	0.199		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
MeFOSE	24448-09-7	ND	1.99		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
EtFOSE	1691-99-2	ND	1.99		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	95.0	10 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C5-PFPeA	IS	91.4	35 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C2-4:2 FTS	IS	89.5	40 - 165		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C3-PFBS	IS	84.8	40 - 135		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C5-PFHxA	IS	88.0	40 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C4-PFHpA	IS	91.3	40 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C3-HFPO-DA	IS	89.4	40 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C2-6:2 FTS	IS	93.7	40 - 215		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C8-PFOA	IS	85.3	40 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C3-PFHxS	IS	90.8	40 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C9-PFNA	IS	87.1	40 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C2-8:2 FTS	IS	99.5	40 - 275		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C6-PFDA	IS	90.6	40 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
d3-MeFOSAA	IS	84.3	40 - 135		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C8-PFOS	IS	92.4	40 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
d5-EtFOSAA	IS	81.0	40 - 150		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C7-PFUnA	IS	97.0	40 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C8-PFOSA	IS	77.4	40 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C2-PFDoA	IS	97.8	40 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
13C2-PFTeDA	IS	93.2	20 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
d7-MeFOSE	IS	53.6	20 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
d3-MeFOSA	IS	36.3	10 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
d9-EtFOSE	IS	56.5	15 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1
d5-EtFOSA	IS	25.1	10 - 130		B25C377	07-Apr-25	5.67 g	11-Apr-25 14:33	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: South Area N (6-10)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-26		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	28-Mar-25 01:37		Date Received:	01-Apr-25 09:41	
					% Solids:	74.4			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.797		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFMPA	377-73-1	ND	0.398		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
3:3 FTCA	356-02-5	ND	0.995		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFPeA	2706-90-3	ND	0.397		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFMBA	863090-89-5	ND	0.398		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFBS	375-73-5	ND	0.176		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
4:2 FTS	757124-72-4	ND	0.746		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFHxA	307-24-4	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFEESA	113507-82-7	ND	0.354		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFPeS	2706-91-4	ND	0.187		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
HFPO-DA	13252-13-6	ND	0.831		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
NFDHA	151772-58-6	ND	0.398		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
5:3 FTCA	914637-49-3	ND	4.98		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFHpA	375-85-9	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
ADONA	919005-14-4	ND	0.786		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFHxS	355-46-4	ND	0.182		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
6:2 FTS	27619-97-2	ND	0.755		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFOA	335-67-1	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFHpS	375-92-8	ND	0.189		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
7:3 FTCA	812-70-4	ND	4.98		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFNA	375-95-1	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFOSA	754-91-6	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFOS	1763-23-1	ND	0.185		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
9Cl-PF3ONS	756426-58-1	ND	0.776		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFDA	335-76-2	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
8:2 FTS	39108-34-4	ND	0.764		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFNS	68259-12-1	ND	0.191		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
MeFOSAA	2355-31-9	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
EtFOSAA	2991-50-6	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFUnA	2058-94-8	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFDS	335-77-3	ND	0.192		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
11Cl-PF3OUdS	763051-92-9	ND	0.786		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFDoA	307-55-1	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
MeFOSA	31506-32-8	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFTTrDA	72629-94-8	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFDoS	79780-39-5	ND	0.193		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
PFTeDA	376-06-7	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1

Sample ID: South Area N (6-10)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-26		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	28-Mar-25 01:37		Date Received:	01-Apr-25 09:41	
					% Solids:	74.4			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	0.199		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
MeFOSE	24448-09-7	ND	1.99		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
EtFOSE	1691-99-2	ND	1.99		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	90.7	10 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C5-PFPeA	IS	85.2	35 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C2-4:2 FTS	IS	86.2	40 - 165		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C3-PFBS	IS	83.1	40 - 135		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C5-PFHxA	IS	84.0	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C4-PFHpA	IS	87.6	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C3-HFPO-DA	IS	83.2	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C2-6:2 FTS	IS	90.7	40 - 215		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C8-PFOA	IS	86.0	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C3-PFHxS	IS	89.5	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C9-PFNA	IS	99.5	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C2-8:2 FTS	IS	102	40 - 275		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C6-PFDA	IS	86.5	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
d3-MeFOSAA	IS	93.9	40 - 135		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C8-PFOS	IS	94.2	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
d5-EtFOSAA	IS	89.0	40 - 150		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C7-PFUnA	IS	91.5	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C8-PFOSA	IS	81.0	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C2-PFDoA	IS	95.4	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
13C2-PFTeDA	IS	83.0	20 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
d7-MeFOSE	IS	38.0	20 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
d3-MeFOSA	IS	23.8	10 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
d9-EtFOSE	IS	33.9	15 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1
d5-EtFOSA	IS	16.4	10 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 14:47	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: South Area N (10-15)							EPA Method 1633			
Client Data					Laboratory Data					
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-27		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923			Task Date Collected:	28-Mar-25 01:40		Date Received:	01-Apr-25 09:41		
							% Solids:	65.8		
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	ND	0.796		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFMPA	377-73-1	ND	0.398		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
3:3 FTCA	356-02-5	ND	0.994		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFPeA	2706-90-3	ND	0.397		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFMBA	863090-89-5	ND	0.398		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFBS	375-73-5	ND	0.176		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
4:2 FTS	757124-72-4	ND	0.746		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFHxA	307-24-4	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFEESA	113507-82-7	ND	0.354		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFPeS	2706-91-4	ND	0.187		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
HFPO-DA	13252-13-6	ND	0.830		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
NFDHA	151772-58-6	ND	0.398		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
5:3 FTCA	914637-49-3	ND	4.97		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFHpA	375-85-9	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
ADONA	919005-14-4	ND	0.785		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFHxS	355-46-4	ND	0.182		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
6:2 FTS	27619-97-2	ND	0.755		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFOA	335-67-1	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFHpS	375-92-8	ND	0.189		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
7:3 FTCA	812-70-4	ND	4.97		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFNA	375-95-1	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFOSA	754-91-6	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFOS	1763-23-1	ND	0.185		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
9Cl-PF3ONS	756426-58-1	ND	0.775		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFDA	335-76-2	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
8:2 FTS	39108-34-4	ND	0.764		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFNS	68259-12-1	ND	0.191		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
MeFOSAA	2355-31-9	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
EtFOSAA	2991-50-6	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFUnA	2058-94-8	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFDS	335-77-3	ND	0.192		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
11Cl-PF3OUdS	763051-92-9	ND	0.785		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFDoA	307-55-1	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
MeFOSA	31506-32-8	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFTTrDA	72629-94-8	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFDoS	79780-39-5	ND	0.193		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	
PFTeDA	376-06-7	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1	

Sample ID: South Area N (10-15)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-27		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task Date Collected: 28-Mar-25 01:40				Date Received:	01-Apr-25 09:41			
					% Solids:	65.8			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	0.199		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
MeFOSE	24448-09-7	ND	1.99		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
EtFOSE	1691-99-2	ND	1.99		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	92.8	10 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C5-PFPeA	IS	86.1	35 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C2-4:2 FTS	IS	99.5	40 - 165		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C3-PFBS	IS	90.8	40 - 135		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C5-PFHxA	IS	86.5	40 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C4-PFHpA	IS	88.8	40 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C3-HFPO-DA	IS	86.2	40 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C2-6:2 FTS	IS	94.8	40 - 215		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C8-PFOA	IS	86.3	40 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C3-PFHxS	IS	91.0	40 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C9-PFNA	IS	88.2	40 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C2-8:2 FTS	IS	112	40 - 275		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C6-PFDA	IS	88.7	40 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
d3-MeFOSAA	IS	83.8	40 - 135		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C8-PFOS	IS	88.7	40 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
d5-EtFOSAA	IS	84.6	40 - 150		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C7-PFUnA	IS	101	40 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C8-PFOSA	IS	73.9	40 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C2-PFDoA	IS	92.3	40 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
13C2-PFTeDA	IS	84.9	20 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
d7-MeFOSE	IS	36.2	20 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
d3-MeFOSA	IS	20.4	10 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
d9-EtFOSE	IS	38.0	15 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1
d5-EtFOSA	IS	16.4	10 - 130		B25C377	07-Apr-25	7.64 g	11-Apr-25 15:01	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: South Area S (0-4)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-28		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	28-Mar-25 01:43		Date Received:	01-Apr-25 09:41	
					% Solids:	82.4			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.799		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFMPA	377-73-1	ND	0.399		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
3:3 FTCA	356-02-5	ND	0.998		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFPeA	2706-90-3	ND	0.398		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFMBA	863090-89-5	ND	0.399		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFBS	375-73-5	ND	0.177		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
4:2 FTS	757124-72-4	ND	0.748		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFHxA	307-24-4	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFEESA	113507-82-7	ND	0.355		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFPeS	2706-91-4	ND	0.188		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
HFPO-DA	13252-13-6	ND	0.833		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
NFDHA	151772-58-6	ND	0.399		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
5:3 FTCA	914637-49-3	ND	4.99		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFHpA	375-85-9	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
ADONA	919005-14-4	ND	0.788		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFHxS	355-46-4	ND	0.183		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
6:2 FTS	27619-97-2	ND	0.757		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFOA	335-67-1	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFHpS	375-92-8	ND	0.190		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
7:3 FTCA	812-70-4	ND	4.99		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFNA	375-95-1	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFOSA	754-91-6	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFOS	1763-23-1	ND	0.186		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
9Cl-PF3ONS	756426-58-1	ND	0.778		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFDA	335-76-2	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
8:2 FTS	39108-34-4	ND	0.766		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFNS	68259-12-1	ND	0.192		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
MeFOSAA	2355-31-9	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
EtFOSAA	2991-50-6	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFUnA	2058-94-8	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFDS	335-77-3	ND	0.193		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
11Cl-PF3OUdS	763051-92-9	ND	0.788		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFDoA	307-55-1	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
MeFOSA	31506-32-8	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFTTrDA	72629-94-8	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFDoS	79780-39-5	ND	0.194		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
PFTeDA	376-06-7	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1

Sample ID: South Area S (0-4)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-28		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	28-Mar-25 01:43		Date Received:	01-Apr-25 09:41	
					% Solids:	82.4			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	0.200		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
MeFOSE	24448-09-7	ND	2.00		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
EtFOSE	1691-99-2	ND	2.00		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	93.0	10 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C5-PFPeA	IS	85.0	35 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C2-4:2 FTS	IS	92.1	40 - 165		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C3-PFBS	IS	82.3	40 - 135		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C5-PFHxA	IS	83.7	40 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C4-PFHpA	IS	91.9	40 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C3-HFPO-DA	IS	87.8	40 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C2-6:2 FTS	IS	85.9	40 - 215		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C8-PFOA	IS	90.6	40 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C3-PFHxS	IS	84.8	40 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C9-PFNA	IS	80.2	40 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C2-8:2 FTS	IS	116	40 - 275		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C6-PFDA	IS	87.7	40 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
d3-MeFOSAA	IS	91.3	40 - 135		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C8-PFOS	IS	91.3	40 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
d5-EtFOSAA	IS	94.5	40 - 150		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C7-PFUnA	IS	92.6	40 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C8-PFOSA	IS	81.6	40 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C2-PFDoA	IS	99.6	40 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
13C2-PFTeDA	IS	82.5	20 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
d7-MeFOSE	IS	38.2	20 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
d3-MeFOSA	IS	22.0	10 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
d9-EtFOSE	IS	34.9	15 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1
d5-EtFOSA	IS	15.6	10 - 130		B25C377	07-Apr-25	6.08 g	11-Apr-25 15:14	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: South Area S (4-10)						EPA Method 1633				
Client Data					Laboratory Data					
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-29		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923			Task Date Collected:	28-Mar-25 01:45		Date Received:	01-Apr-25 09:41		
							% Solids:	74.2		
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	ND	0.799		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFMPA	377-73-1	ND	0.399		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
3:3 FTCA	356-02-5	ND	0.998		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFPeA	2706-90-3	ND	0.398		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFMBA	863090-89-5	ND	0.399		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFBS	375-73-5	ND	0.177		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
4:2 FTS	757124-72-4	ND	0.749		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFHxA	307-24-4	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFEESA	113507-82-7	ND	0.355		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFPeS	2706-91-4	ND	0.188		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
HFPO-DA	13252-13-6	ND	0.833		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
NFDHA	151772-58-6	ND	0.399		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
5:3 FTCA	914637-49-3	ND	4.99		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFHpA	375-85-9	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
ADONA	919005-14-4	ND	0.788		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFHxS	355-46-4	ND	0.183		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
6:2 FTS	27619-97-2	ND	0.758		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFOA	335-67-1	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFHpS	375-92-8	ND	0.190		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
7:3 FTCA	812-70-4	ND	4.99		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFNA	375-95-1	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFOSA	754-91-6	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFOS	1763-23-1	ND	0.186		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
9Cl-PF3ONS	756426-58-1	ND	0.778		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFDA	335-76-2	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
8:2 FTS	39108-34-4	ND	0.767		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFNS	68259-12-1	ND	0.192		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
MeFOSAA	2355-31-9	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
EtFOSAA	2991-50-6	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFUnA	2058-94-8	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFDS	335-77-3	ND	0.193		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
11Cl-PF3OUdS	763051-92-9	ND	0.788		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFDoA	307-55-1	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
MeFOSA	31506-32-8	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFTTrDA	72629-94-8	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFDoS	79780-39-5	ND	0.194		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	
PFTeDA	376-06-7	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1	

Sample ID: South Area S (4-10)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-29		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	28-Mar-25 01:45		Date Received:	01-Apr-25 09:41	
					% Solids:	74.2			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	0.200		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
MeFOSE	24448-09-7	ND	2.00		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
EtFOSE	1691-99-2	ND	2.00		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	82.8	10 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C5-PFPeA	IS	74.2	35 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C2-4:2 FTS	IS	85.0	40 - 165		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C3-PFBS	IS	84.6	40 - 135		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C5-PFHxA	IS	77.1	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C4-PFHpA	IS	74.1	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C3-HFPO-DA	IS	71.1	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C2-6:2 FTS	IS	80.9	40 - 215		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C8-PFOA	IS	78.8	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C3-PFHxS	IS	83.2	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C9-PFNA	IS	76.2	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C2-8:2 FTS	IS	118	40 - 275		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C6-PFDA	IS	88.1	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
d3-MeFOSAA	IS	77.2	40 - 135		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C8-PFOS	IS	83.1	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
d5-EtFOSAA	IS	73.2	40 - 150		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C7-PFUnA	IS	87.7	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C8-PFOSA	IS	67.6	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C2-PFDoA	IS	95.9	40 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
13C2-PFTeDA	IS	87.6	20 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
d7-MeFOSE	IS	34.3	20 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
d3-MeFOSA	IS	19.9	10 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
d9-EtFOSE	IS	32.3	15 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1
d5-EtFOSA	IS	14.1	10 - 130		B25C377	07-Apr-25	6.75 g	11-Apr-25 15:28	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

Sample ID: South Area S (10-15)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-30		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	28-Mar-25 01:48		Date Received:	01-Apr-25 09:41	
					% Solids:	68.3			
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	0.797		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFMPA	377-73-1	ND	0.398		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
3:3 FTCA	356-02-5	ND	0.995		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFPeA	2706-90-3	ND	0.397		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFMBA	863090-89-5	ND	0.398		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFBS	375-73-5	ND	0.176		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
4:2 FTS	757124-72-4	ND	0.747		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFHxA	307-24-4	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFEESA	113507-82-7	ND	0.354		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFPeS	2706-91-4	ND	0.187		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
HFPO-DA	13252-13-6	ND	0.831		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
NFDHA	151772-58-6	ND	0.398		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
5:3 FTCA	914637-49-3	ND	4.98		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFHpA	375-85-9	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
ADONA	919005-14-4	ND	0.786		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFHxS	355-46-4	ND	0.182		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
6:2 FTS	27619-97-2	ND	0.756		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFOA	335-67-1	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFHpS	375-92-8	ND	0.189		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
7:3 FTCA	812-70-4	ND	4.98		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFNA	375-95-1	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFOSA	754-91-6	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFOS	1763-23-1	ND	0.185		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
9Cl-PF3ONS	756426-58-1	ND	0.776		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFDA	335-76-2	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
8:2 FTS	39108-34-4	ND	0.764		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFNS	68259-12-1	ND	0.191		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
MeFOSAA	2355-31-9	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
EtFOSAA	2991-50-6	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFUnA	2058-94-8	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFDS	335-77-3	ND	0.192		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
11Cl-PF3OUdS	763051-92-9	ND	0.786		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFDoA	307-55-1	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
MeFOSA	31506-32-8	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFTTrDA	72629-94-8	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFDoS	79780-39-5	ND	0.193		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
PFTeDA	376-06-7	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1

Sample ID: South Area S (10-15)						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Soil	Lab Sample:	2504008-30		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923 Task			Date Collected:	28-Mar-25 01:48		Date Received:	01-Apr-25 09:41	
					% Solids:		68.3		
Analyte	CAS Number	Conc. (ng/g)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	0.199		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
MeFOSE	24448-09-7	ND	1.99		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
EtFOSE	1691-99-2	ND	1.99		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	95.3	10 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C5-PFPeA	IS	86.2	35 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C2-4:2 FTS	IS	101	40 - 165		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C3-PFBS	IS	91.4	40 - 135		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C5-PFHxA	IS	85.9	40 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C4-PFHpA	IS	85.9	40 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C3-HFPO-DA	IS	83.5	40 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C2-6:2 FTS	IS	96.0	40 - 215		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C8-PFOA	IS	95.1	40 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C3-PFHxS	IS	92.1	40 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C9-PFNA	IS	82.1	40 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C2-8:2 FTS	IS	118	40 - 275		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C6-PFDA	IS	83.5	40 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
d3-MeFOSAA	IS	84.8	40 - 135		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C8-PFOS	IS	90.4	40 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
d5-EtFOSAA	IS	83.7	40 - 150		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C7-PFUnA	IS	99.1	40 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C8-PFOSA	IS	72.5	40 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C2-PFDoA	IS	96.7	40 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
13C2-PFTeDA	IS	96.6	20 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
d7-MeFOSE	IS	28.1	20 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
d3-MeFOSA	IS	20.3	10 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
d9-EtFOSE	IS	28.9	15 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1
d5-EtFOSA	IS	13.3	10 - 130		B25C377	07-Apr-25	7.35 g	11-Apr-25 15:41	1

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to RL.

DATA QUALIFIERS & ABBREVIATIONS

For EPA 1633

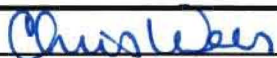
B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
I	Ion transition ratio is outside of the acceptance criteria.
IS	Internal Standard
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 ½ 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 Record				Turn Around Time (rush by advanced notice only)																	
				Lab No: <u>2504008</u> Page: <u>1</u> of <u>4</u>				Standard: <u>X</u>		5 Day:		3 Day:													
								2 Day:		1 Day:		Custom TAT:													
				Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water P = Product O = Oil SD = Sediment T = Tissue WP = Wipe WW = Wastewater X = Other				Sample Type: C = Composite G = Grab or Discrete B = Blank O = Other				Preservatives: 0 = none 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other				Sample Receipt Temp and Notes: 2.8°C, 3.1°C (lab use only)									
CUSTOMER INFORMATION				PROJECT INFORMATION						Analysis Request						Test Instructions / Comments									
Company:		Apex Companies, LLC		Name:		Former Fire Stations Characterization 24009923 Task 3 Chris Weer/Riley Paul						PFAS by EPA Method 1663													
Report To:		Herb Clough		Number:																					
Email:		Herb.Clough@apexcoss.com		P.O. #:																					
Address:		15618 SW 72nd Ave		Address:																					
		Tigard, OR 97224																							
Phone:		503-332-5196		Global ID:																					
Fax:				Sampled By:																					
Sample ID		Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials																
1	B-6 (0-6)	3/27/2025	0400	S	G	0	1	6 oz	CW/RP	X													Hold		
2	B-6 (6-10)	3/27/2025	0405	S	G	0	1	6 oz	CW/RP	X													Hold		
3	B-6 (10-15)	3/27/2028	0410	S	G	0	1	6 oz	CW/RP	X													Hold		
4	B-7 (0-4)	3/27/2025	2205	S	G	0	1	6 oz	CW/RP	X													Hold		
5	B-7 (4-10)	3/27/2025	2215	S	G	0	1	6 oz	CW/RP	X													Hold		
6	B-7 (10-15)	3/27/2025	2220	S	G	0	1	6 oz	CW/RP	X													Hold		
7	B-8 (0-6)	3/27/2025	0235	S	G	0	1	6 oz	CW/RP	X													Hold		
8	B-8 (6-10)	3/27/2025	0245	S	G	0	1	6 oz	CW/RP	X													Hold		
9	B-8 (10-15)	3/27/2025	0310	S	G	0	1	6 oz	CW/RP	X													Hold		
10	B-9 (0-4)	3/27/2025	2315	S	G	0	1	6 oz	CW/RP	X													Hold		
		Signature		Print Name		Company / Title		Date / Time																	
1 Relinquished By:				Chris Weer		Apex Companies, LLC/Scientist 3		3/31/25 10:00																	
1 Received By:				Kelia Wadsworth		Enthalpy		04/01/25 0941																	
2 Relinquished By:																									
2 Received By:																									

ENTHALPY ANALYTICAL				Chain of Custody Record				Turn Around Time (rush by advanced notice only)									
				Lab No: 2504008		Page: 2 of 4		Standard: X		5 Day:		3 Day:					
				Matrix: A = Air S = Soil/Solid W = Water		Sample Type: C = Composite		Preservatives: 0 = none		Sample Receipt Temp and Notes: 2.8°C, 3.1°C (lab use only)							
				DW = Drinking Water P = Product O = Oil		G = Grab or Discrete		1 = Na ₂ S ₂ O ₃ 2 = HCl									
				SD = Sediment T = Tissue WP = Wipe		B = Blank O = Other		3 = HNO ₃ 4 = H ₂ SO ₄									
				WW = Wastewater X = Other		5 = NaOH 6 = Other											
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments					
Company:		Apex Companies, LLC		Name:		Former Fire Stations Characterization 24009923 Task 3 Chris Weer/Riley Paul				PFAS by EPA Method 1663							
Report To:		Herb Clough		Number:													
Email:		Herb.Clough@apexcos.com		P.O. #:													
Address:		15618 SW 72nd Ave		Address:													
		Tigard, OR 97224															
Phone:		503-332-5196		Global ID:													
Fax:				Sampled By:													
Sample ID		Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials								
1	B-9 (4-10)	3/27/2025	2325	S	G	0	1	6 oz	CW/RP	X							Hold
2	B-9 (10-15)	3/27/2025	2330	S	G	0	1	6 oz	CW/RP	X							Hold
3	MW-102 (0-6)	3/26/2025	2345	S	G	0	1	6 oz	CW/RP	X							Hold
4	MW-102 (6-10)	3/26/2025	2350	S	G	0	1	6 oz	CW/RP	X							Hold
5	MW-102 (10-15)	3/26/2025	2355	S	G	0	1	6 oz	CW/RP	X							Hold
6	DW-102 (0-6)	3/26/2025	2333	S	G	0	1	6 oz	CW/RP	X							Hold
7	DW-102 (6-10)	3/26/2025	2346	S	G	0	1	6 oz	CW/RP	X							Hold
8	DW-102 (10-15)	3/26/2025	2355	S	G	0	1	6 oz	CW/RP	X							Hold
9	MW-101(0-12)	3/27/2025	1905	S	G	0	1	6 oz	CW/RP	X							
10	MW-101 (12-15)	3/27/2025	1915	S	G	0	1	6 oz	CW/RP	X							
		Signature		Print Name		Company / Title				Date / Time							
1 Relinquished By:				Chris Weer		Apex Companies, LLC/Scientist 3				3/31/25 10:00							
1 Received By:				Kelia Wadsworth		Enthalpy				04/01/25 0941							
2 Relinquished By:																	
2 Received By:																	

 ENTHALPY ANALYTICAL				Chain of Custody Record				Turn Around Time (rush by advanced notice only)																				
				Lab No: <u>2504008</u> Page: <u>3</u> of <u>4</u>				Standard:		X		5 Day:		3 Day:														
				2 Day:				1 Day:		Custom TAT:																		
				Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water P = Product O = Oil SD = Sediment T = Tissue WP = Wipe WW = Wastewater X = Other				Sample Type: C = Composite G = Grab or Discrete B = Blank O = Other				Preservatives: 0 = none 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other				Sample Receipt Temp and Notes: 2.8°C, 3.1°C (lab use only)												
CUSTOMER INFORMATION				PROJECT INFORMATION								Analysis Request								Test Instructions / Comments								
Company: Apex Companies, LLC				Name: Former Fire Stations Characterization				PFAS by EPA Method 1663																				
Report To: Herb Clough				Number: 24009923 Task 3																								
Email: Herb.Clough@apexcos.com				P.O. #:																								
Address: 15618 SW 72nd Ave				Address:																								
Tigard, OR 97224																												
Phone: 503-332-5196				Global ID:																								
Fax:				Sampled By: Chris Weer/Riley Paul																								
Sample ID		Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials																			
1	MW-101 (15-20)	3/27/2025	1920	S	G		0	1 6 oz	CW/RP	X																		
2	West Area (0-6)	3/28/2025	0055	S	G		0	1 6 oz	CW/RP	X																		
3	West Area (6-10)	3/28/2025	0100	S	G		0	1 6 oz	CW/RP	X																		
4	West Area (10-15)	3/28/2025	0110	S	G		0	1 6 oz	CW/RP	X																		
5	South Area N (0-6)	3/28/2025	0135	S	C		0	1 6 oz	CW/RP	X																		
6	South Area N (6-10)	3/28/2025	0137	S	C		0	1 6 oz	CW/RP	X																		
7	South Area N (10-15)	3/28/2025	0140	S	C		0	1 6 oz	CW/RP	X																		
8	South Area S (0-4)	3/28/2025	0143	S	C		0	1 6 oz	CW/RP	X																		
9	South Area S (4-10)	3/28/2025	0145	S	C		0	1 6 oz	CW/RP	X																		
10	South Area S (10-15)	3/28/2025	0148	S	C		0	1 6 oz	CW/RP	X																		
		Signature			Print Name			Company / Title			Date / Time																	
¹ Relinquished By:		<u>Chris Weer</u>			<u>Chris Weer</u>			Apex Companies, LLC/Scientist 3			<u>3/31/25 10:00</u>																	
¹ Received By:		<u>Kelia Wadsworth</u>			<u>Kelia Wadsworth</u>			Enthalpy			<u>04/01/25 0941</u>																	
² Relinquished By:																												
² Received By:																												



ENTHALPY
ANALYTICAL

Chain of Custody Record

Lab No: 2504008

Page: 4 of 4

Turn Around Time (rush by advanced notice only)

Standard: X 5 Day: 3 Day:
2 Day: 1 Day: Custom TAT:

Matrix: A = Air S = Soil/Solid W = Water
DW = Drinking Water P = Product O = Oil
SD = Sediment T = Tissue WP = Wipe
WW = Wastewater X = Other

Sample Type:
C = Composite
G = Grab or Discrete
B = Blank O = Other

Preservatives: 0 = none
1 = Na₂S₂O₃ 2 = HCl
3 = HNO₃ 4 = H₂SO₄
5 = NaOH 6 = Other

Sample Receipt Temp and Notes:
2.8°C, 3.1°C
(lab use only)

CUSTOMER INFORMATION

Company: Apex Companies, LLC
Report To: Herb Clough
Email: Herb.Clough@apexcoss.com
Address: 15618 SW 72nd Ave
Tigard, OR 97224
Phone: 503-332-5196
Fax:

PROJECT INFORMATION

Name: Former Fire Stations Characterization
Number: 24009923 Task 3
P.O. #:
Address:
Global ID:
Sampled By: Chris Weer/Riley Paul

Analysis Request

Test Instructions / Comments

Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	PFAS By EPA Method 1663										
1 B-6-032725	3/27/2025	0425	W	G	0	3	Various	CW/RP	X										
2 B-7-032725	3/27/2025	2240	W	G	0	3	Various	CW/RP	X										
3 B-8-032725	3/27/2025	0320	W	G	0	3	Various	CW/RP	X										
4 B-9-032725	3/27/2025	2350	W	G	0	3	Various	CW/RP	X										
5																			
6																			
7																			
8																			
9																			
10																			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Chris Weer	Apex Companies, LLC/Scientist 3	3/31/2025 10:00
1 Received By:		Kelia Wadsworth	Enthalpy	04/01/25 0941
2 Relinquished By:				
2 Received By:				

CoC/Label Reconciliation Report WO# 2504008

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2504008-01	A B-6 (0-6)	☒ C1	27-Mar-25 04:00	☒	HDPE Jar, 6 oz	Solid
2504008-02	A B-6 (6-10)	☒	27-Mar-25 04:05	☒	HDPE Jar, 6 oz	Solid
2504008-03	A B-6 (10-15)	☒	27-Mar-25 04:10	☒	HDPE Jar, 6 oz	Solid
2504008-04	A B-7 (0-4)	☒ C2	27-Mar-25 22:05	☒	HDPE Jar, 6 oz	Solid
2504008-05	A B-7 (4-10)	☒	27-Mar-25 22:15	☒	HDPE Jar, 6 oz	Solid
2504008-06	A B-7 (10-15)	☒	27-Mar-25 22:20	☒	HDPE Jar, 6 oz	Solid
2504008-07	A B-8 (0-6)	☒ C1	27-Mar-25 02:35	☒	HDPE Jar, 6 oz	Solid
2504008-08	A B-8 (6-10)	☒	27-Mar-25 02:45	☒	HDPE Jar, 6 oz	Solid
2504008-09	A B-8 (10-15)	☒	27-Mar-25 03:10	☒	HDPE Jar, 6 oz	Solid
2504008-10	A B-9 (0-4)	☒ C2	27-Mar-25 23:15	☒	HDPE Jar, 6 oz	Solid
2504008-11	A B-9 (4-10)	☒	27-Mar-25 23:25	☒	HDPE Jar, 6 oz	Solid
2504008-12	A B-9 (10-15)	☒	27-Mar-25 23:30	☒	HDPE Jar, 6 oz	Solid
2504008-13	A MW-102 (0-6)	☒ C1	26-Mar-25 23:45	☒	HDPE Jar, 6 oz	Solid
2504008-14	A MW-102 (6-10)	☒	26-Mar-25 23:50	☒	HDPE Jar, 6 oz	Solid
2504008-15	A MW-102 (10-15)	☒	26-Mar-25 23:55	☒	HDPE Jar, 6 oz	Solid
2504008-16	A DW-102 (0-6)	☒	26-Mar-25 23:33	☒	HDPE Jar, 6 oz	Solid
2504008-17	A DW-102 (6-10)	☒	26-Mar-25 23:46	☒	HDPE Jar, 6 oz	Solid
2504008-18	A DW-102 (10-15)	☒	26-Mar-25 23:55	☒	HDPE Jar, 6 oz	Solid
2504008-19	A MW-101 (0-12)	☒	27-Mar-25 19:05	☒	HDPE Jar, 6 oz	Solid
2504008-20	A MW-101 (12-15)	☒	27-Mar-25 19:15	☒	HDPE Jar, 6 oz	Solid
2504008-21	A MW-101 (15-20)	☒ C1	27-Mar-25 19:20	☒	HDPE Jar, 6 oz	Solid
2504008-22	A West Area (0-6)	☒	28-Mar-25 00:55	☒	HDPE Jar, 6 oz	Solid
2504008-23	A West Area (6-10)	☒	28-Mar-25 01:00	☒	HDPE Jar, 6 oz	Solid
2504008-24	A West Area (10-15)	☒	28-Mar-25 01:10	☒	HDPE Jar, 6 oz	Solid
2504008-25	A South Area N (0-6)	☒	28-Mar-25 01:35	☒	HDPE Jar, 6 oz	Solid
2504008-26	A South Area N (6-10)	☒	28-Mar-25 01:37	☒	HDPE Jar, 6 oz	Solid
2504008-27	A South Area N (10-15)	☒	28-Mar-25 01:40	☒	HDPE Jar, 6 oz	Solid
2504008-28	A South Area S (0-4)	☒	28-Mar-25 01:43	☒	HDPE Jar, 6 oz	Solid

2504008-29 A South Area S (4-10)
 2504008-30 A South Area S (10-15)
 2504008-31 A B-6-032725
 2504008-31 B B-6-032725
 2504008-31 C B-6-032725 KA 04/16/25
 2504008-32 A B-6-032725
 2504008-32 B B-6-032725
 2504008-32 C B-6-032725
 2504008-33 A B-7-032725
 2504008-33 B B-7-032725
 2504008-33 C B-7-032725
 2504008-34 A B-8-032725
 2504008-34 B B-8-032725
 2504008-34 C B-8-032725

✓ C1
 ✓ C2
 ✓ C3
 ✓ C4
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 ✓ C6
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 ✓ C100

28-Mar-25 01:45 ✓ HDPE Jar, 6 oz Solid
 28-Mar-25 01:48 ✓ HDPE Jar, 6 oz Solid
 27-Mar-25 04:25 ✓ HDPE Bottle, 500 mL Aqueous
 27-Mar-25 04:25 ✓ HDPE Bottle, 500 mL Aqueous
 27-Mar-25 04:25 ✓ HDPE Bottle, 125 mL Aqueous
 27-Mar-25 22:40 ✓ HDPE Bottle, 500 mL Aqueous
 27-Mar-25 22:40 ✓ HDPE Bottle, 500 mL Aqueous
 27-Mar-25 22:40 A) HDPE Bottle, 125 mL Aqueous
 27-Mar-25 03:20 ✓ HDPE Bottle, 500 mL Aqueous
 27-Mar-25 03:20 ✓ HDPE Bottle, 500 mL Aqueous
 27-Mar-25 03:20 ✓ HDPE Bottle, 125 mL Aqueous
 27-Mar-25 23:50 ✓ HDPE Bottle, 500 mL Aqueous
 27-Mar-25 23:50 ✓ HDPE Bottle, 500 mL Aqueous
 27-Mar-25 23:50 ✓ 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.

CONDITION	Yes	No	NA
Sample Container Intact?	✓		
Sample Container(s) Custody Seals Intact?			✓
Custody Seals On Cooler Intact?	✓		
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)?	✓		

Comments:

A) Sample label time 10:40
 B) Sample contain rust tint
 C) Sample contain cream tint
 D) Sample contain ~5% particulate

C1 = Cooler #1
 C2 = Cooler #2

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None Other

Verified by/Date: VA 04/03/25 Originally labeled and reconciled
 on 04/02/25 by XAO.



May 27, 2025

**Enthalpy Analytical - El Dorado Hills
Work Order No. 2505033**

Mr. Nick Thornton
Apex Companies, LLC
15618 S.W. 72nd Avenue
Tigard, OR 97224

Dear Mr. Thornton,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on May 02, 2025 under your Project Name '24009923 Task 3'.

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 kathy.zipp@enthalpy.com.

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

Sincerely,

A handwritten signature in blue ink that reads 'Kathy Zipp'.

Kathy Zipp
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. 2505033

Case Narrative

Sample Condition on Receipt:

Fourteen aqueous samples and four soil 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. Per email dated May 1, 2025, the following samples have been placed on hold; "DW-101 (0-6)", "DW-101 (6-10)" "DW-101 (10-15)" and "DW-101-9.5". As directed, the collection time for sample "MW-11-L58499-042825" was updated to "11:40" per client request. As directed, the samples listed as "MW-101-052925" and "DW-102-042926" on the Chain-of-Custody (CoC) have been reported as listed on the container labels. As directed, the sample listed as "EB-Bladder Pump-042924" on the Chain-of-Custody (CoC) has been reported as "EB-Bladder Pump-042925", as was provided by the client. In addition, the samples listed as "DW-102 (0-6)", "DW-102 (6-10)" "DW-102 (10-15)" and "DW-102-9.5" on the Chain-of-Custody (CoC) have been updated to "DW-101 (0-6)", "DW-101 (6-10)" "DW-101 (10-15)" and "DW-101-9.5" as was provided by the client

Analytical Notes:

EPA Method 1633 Compliant with Table B-24 of DoD QSM 6.0 (Aqueous)

The samples were extracted and analyzed for a selected list of PFAS using EPA Method 1633 compliant with Table B-24 of DoD QSM 6.0. 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.

Samples "MW-6-042825", "MW-8-042825", "MW-11-L58499-042825", "MW-12-L58397-042825", "MW-14-042825", "MW-101-042925", "DW-102-042925", and "DW-102-042925" contained particulate and were centrifuged prior to extraction.

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, Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) and Low-Level Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the LOQ concentration. The OPR recoveries were within the method acceptance criteria.

The ion transition ratios outside the acceptance criteria are flagged with an "I" qualifier.

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

TABLE OF CONTENTS

Case Narrative.....	1
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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2505033-01	MW-1-042825	28-Apr-25 15:10	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-02	MW-6-042825	28-Apr-25 08:10	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-03	MW-8-042825	28-Apr-25 11:00	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-04	MW-11-L58499-042825	28-Apr-25 11:40	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-05	MW-12-L58397-042825	28-Apr-25 10:03	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-06	TCORE-3-042825	28-Apr-25 13:30	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-07	MW-14-042825	28-Apr-25 09:15	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-08	MW-101-042925	29-Apr-25 12:15	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-09	MW-102-042925	29-Apr-25 11:05	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-10	DW-102-042925	29-Apr-25 10:15	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-11	EB-Tubing-042925	29-Apr-25 13:32	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-12	EB-BladderPump-042925	29-Apr-25 13:42	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-13	DUP-042825	28-Apr-25 07:30	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-14	Tote Water - 043025	30-Apr-25 19:30	02-May-25 09:40	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2505033-15	DW-101 (0-6)	30-Apr-25 19:20	02-May-25 09:40	HDPE Jar, 6 oz

Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2505033-16	DW-101 (6-10)	30-Apr-25 20:00	02-May-25 09:40	HDPE Jar, 6 oz
2505033-17	DW-101 (10-15)	30-Apr-25 20:14	02-May-25 09:40	HDPE Jar, 6 oz
2505033-18	DW-101-9.5	30-Apr-25 20:00	02-May-25 09:40	HDPE Jar, 6 oz

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1633						
Client Data				Laboratory Data							
Name:	Apex Companies, LLC		Matrix:	Aqueous		Lab Sample:	B25E056-BLK1		Column:	BEH C18	
Project:	24009923 Task 3										
Analyte		Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
PFBA	375-22-4	ND	6.40		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFMPA	377-73-1	ND	3.20		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
3:3 FTCA	356-02-5	ND	8.00		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFPeA	2706-90-3	ND	3.20		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFMBA	863090-89-5	ND	3.20		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
4:2 FTS	757124-72-4	ND	6.00		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
NFDHA	151772-58-6	ND	3.20		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFBS	375-73-5	ND	1.42		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFHxA	307-24-4	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
HFPO-DA	13252-13-6	ND	6.68		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFEESA	113507-82-7	ND	2.85		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
5:3 FTCA	914637-49-3	ND	40.0		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFHpA	375-85-9	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFPeS	2706-91-4	ND	1.50		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
ADONA	919005-14-4	ND	6.32		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
6:2 FTS	27619-97-2	ND	6.07		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFOA	335-67-1	ND	2.00		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFHxS	355-46-4	ND	1.46		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
7:3 FTCA	812-70-4	ND	40.0		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFNA	375-95-1	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFHpS	375-92-8	ND	1.52		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
8:2 FTS	39108-34-4	ND	6.14		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFDA	335-76-2	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
MeFOSAA	2355-31-9	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFOS	1763-23-1	ND	1.49		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
EtFOSAA	2991-50-6	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFUnA	2058-94-8	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
9Cl-PF3ONS	756426-58-1	ND	6.24		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFNS	68259-12-1	ND	1.54		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFDoA	307-55-1	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFDS	335-77-3	ND	1.54		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFOSA	754-91-6	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFTTrDA	72629-94-8	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
11Cl-PF3OUdS	763051-92-9	ND	6.00		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFTeDA	376-06-7	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
PFDoS	79780-39-5	ND	1.55		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
MeFOSE	24448-09-7	ND	16.0		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		
MeFOSA	31506-32-8	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 10:23	1		

Sample ID: Method Blank					EPA Method 1633				
Client Data				Laboratory Data					
Name: Apex Companies, LLC		Matrix: Aqueous		Lab Sample: B25E056-BLK1		Column: BEH C18			
Project: 24009923 Task 3									
Analyte	Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSE	1691-99-2	ND	16.0		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
EtFOSA	4151-50-2	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	84.3	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C5-PFPeA	IS	91.1	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C2-4:2 FTS	IS	91.4	40 - 200		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C3-PFBS	IS	89.4	40 - 135		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C5-PFHxA	IS	85.2	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C3-HFPO-DA	IS	85.8	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C4-PFHpA	IS	87.4	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C2-6:2 FTS	IS	91.9	40 - 200		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C8-PFOA	IS	89.0	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C3-PFHxS	IS	86.9	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C9-PFNA	IS	77.8	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C2-8:2 FTS	IS	89.7	40 - 300		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C6-PFDA	IS	83.0	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
d3-MeFOSAA	IS	76.8	40 - 170		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C8-PFOS	IS	80.7	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
d5-EtFOSAA	IS	72.2	25 - 135		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C7-PFUnA	IS	87.1	30 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C2-PFDoA	IS	80.5	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C8-PFOSA	IS	53.3	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
13C2-PFTeDA	IS	73.7	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
d7-MeFOSE	IS	43.9	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
d3-MeFOSA	IS	30.9	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
d9-EtFOSE	IS	40.5	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1
d5-EtFOSA	IS	29.3	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:23	1

RL - Reporting limit

Results reported to RL.

Sample ID: LCSD
EPA Method 1633

Name:	Apex Companies, LLC	Lab Sample:	B25E056-BS1/B25E056-BSD1	Date Extracted:	12-May-25
Project:	24009923 Task 3	QC Batch:	B25E056	Column:	BEH C18
Matrix:	Aqueous	Samp Size:	0.500/0.500 L		

Analyte	CAS Number	LCS (ng/L)	LCS Spike	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
PFBA	375-22-4	18.5	20.0	92.4		18.2	20.0	91.0	1.50		70-140	30	15-May-25 10:36	1	15-May-25 11:03	1
PFMPA	377-73-1	8.82	10.0	88.2		8.99	10.0	89.9	1.90		55-140	30	15-May-25 10:36	1	15-May-25 11:03	1
3:3 FTCA	356-02-5	22.0	25.0	88.2		23.2	25.0	93.0	5.30		65-130	30	15-May-25 10:36	1	15-May-25 11:03	1
PFPeA	2706-90-3	9.11	10.0	91.1		9.13	10.0	91.3	0.139		65-135	30	15-May-25 10:36	1	15-May-25 11:03	1
PFMBA	863090-89-5	9.43	10.0	94.3		9.41	10.0	94.1	0.126		60-150	30	15-May-25 10:36	1	15-May-25 11:03	1
4:2 FTS	757124-72-4	18.2	18.8	97.0		17.6	18.8	94.0	3.20		70-145	30	15-May-25 10:36	1	15-May-25 11:03	1
NFDHA	151772-58-6	9.06	10.0	90.6		9.62	10.0	96.2	5.99		50-150	30	15-May-25 10:36	1	15-May-25 11:03	1
PFBS	375-73-5	4.18	4.44	94.2		4.29	4.44	96.6	2.55		60-145	30	15-May-25 10:36	1	15-May-25 11:03	1
PFHxA	307-24-4	4.78	5.00	95.6		5.01	5.00	100	4.73		70-145	30	15-May-25 10:36	1	15-May-25 11:03	1
HFPO-DA	13252-13-6	19.7	21.2	93.2		19.6	21.2	92.8	0.423		70-140	30	15-May-25 10:36	1	15-May-25 11:03	1
PFEESA	113507-82-7	8.14	8.88	91.7		8.75	8.88	98.6	7.26		70-140	30	15-May-25 10:36	1	15-May-25 11:03	1
5:3 FTCA	914637-49-3	103	125	82.7		104	125	83.2	0.634		70-135	30	15-May-25 10:36	1	15-May-25 11:03	1
PFHpA	375-85-9	4.53	5.00	90.6		4.77	5.00	95.3	5.07		70-150	30	15-May-25 10:36	1	15-May-25 11:03	1
PFPeS	2706-91-4	4.49	4.72	95.2		4.37	4.72	92.6	2.77		65-140	30	15-May-25 10:36	1	15-May-25 11:03	1
ADONA	919005-14-4	18.7	20.0	93.5		17.5	20.0	87.6	6.56		65-145	30	15-May-25 10:36	1	15-May-25 11:03	1
6:2 FTS	27619-97-2	19.1	19.0	101		17.8	19.0	93.6	7.27		65-155	30	15-May-25 10:36	1	15-May-25 11:03	1
PFOA	335-67-1	4.98	5.00	99.5		5.28	5.00	106	5.89		70-150	30	15-May-25 10:36	1	15-May-25 11:03	1
PFHxS	355-46-4	4.20	4.56	92.0		4.22	4.56	92.5	0.489		65-145	30	15-May-25 10:36	1	15-May-25 11:03	1
7:3 FTCA	812-70-4	86.3	125	69.2		90.5	125	72.5	4.73		50-145	30	15-May-25 10:36	1	15-May-25 11:03	1
PFNA	375-95-1	4.93	5.00	98.7		5.15	5.00	103	4.33		70-150	30	15-May-25 10:36	1	15-May-25 11:03	1
PFHpS	375-92-8	4.29	4.76	90.2		4.38	4.76	92.0	1.98		70-150	30	15-May-25 10:36	1	15-May-25 11:03	1
8:2 FTS	39108-34-4	17.8	19.2	92.6		18.0	19.2	93.6	1.09		60-150	30	15-May-25 10:36	1	15-May-25 11:03	1
PFDA	335-76-2	4.59	5.00	91.7		4.48	5.00	89.6	2.33		70-140	30	15-May-25 10:36	1	15-May-25 11:03	1
MeFOSAA	2355-31-9	4.73	5.00	94.7		4.36	5.00	87.1	8.31		50-140	30	15-May-25 10:36	1	15-May-25 11:03	1
PFOS	1763-23-1	4.20	4.64	90.6		4.11	4.64	88.5	2.36		55-150	30	15-May-25 10:36	1	15-May-25 11:03	1
EtFOSAA	2991-50-6	5.33	5.00	107		5.09	5.00	102	4.52		70-145	30	15-May-25 10:36	1	15-May-25 11:03	1
PFUnA	2058-94-8	4.50	5.00	90.1		4.59	5.00	91.9	1.99		70-145	30	15-May-25 10:36	1	15-May-25 11:03	1
9Cl-PF3ONS	756426-58-1	17.5	19.8	88.6		16.8	19.8	85.1	4.05		70-155	30	15-May-25 10:36	1	15-May-25 11:03	1
PFNS	68259-12-1	4.39	4.80	91.5		4.50	4.80	93.9	2.56		65-145	30	15-May-25 10:36	1	15-May-25 11:03	1
PFDoA	307-55-1	4.48	5.00	89.7		5.23	5.00	105	15.4		70-140	30	15-May-25 10:36	1	15-May-25 11:03	1
PFDS	335-77-3	3.89	4.84	80.3		3.93	4.84	81.3	1.17		60-145	30	15-May-25 10:36	1	15-May-25 11:03	1
PFOSA	754-91-6	5.08	5.00	102		5.04	5.00	101	0.806		70-145	30	15-May-25 10:36	1	15-May-25 11:03	1
PFTTrDA	72629-94-8	4.70	5.00	94.0		4.45	5.00	89.1	5.34		65-140	30	15-May-25 10:36	1	15-May-25 11:03	1

Sample ID: LCSD
EPA Method 1633

Name:	Apex Companies, LLC	Lab Sample:	B25E056-BS1/B25E056-BSD1	Date Extracted:	12-May-25
Project:	24009923 Task 3	QC Batch:	B25E056	Column:	BEH C18
Matrix:	Aqueous	Samp Size:	0.500/0.500 L		

Analyte	CAS Number	LCS (ng/L)	LCS Spike	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
11Cl-PF3OUdS	763051-92-9	15.0	20.0	75.1		15.5	20.0	77.4	3.07		55-160	30	15-May-25 10:36	1	15-May-25 11:03	1
PFTeDA	376-06-7	5.33	5.00	107		5.09	5.00	102	4.78		60-140	30	15-May-25 10:36	1	15-May-25 11:03	1
PFDoS	79780-39-5	3.60	4.84	74.4		3.58	4.84	73.9	0.611		50-145	30	15-May-25 10:36	1	15-May-25 11:03	1
MeFOSE	24448-09-7	49.2	50.0	98.5		49.4	50.0	98.8	0.313		70-145	30	15-May-25 10:36	1	15-May-25 11:03	1
MeFOSA	31506-32-8	5.20	5.00	104		5.15	5.00	103	0.967		60-150	30	15-May-25 10:36	1	15-May-25 11:03	1
EtFOSE	1691-99-2	50.9	50.0	102		50.5	50.0	101	0.800		70-135	30	15-May-25 10:36	1	15-May-25 11:03	1
EtFOSA	4151-50-2	4.51	5.00	90.3		5.42	5.00	108	18.2		65-145	30	15-May-25 10:36	1	15-May-25 11:03	1

Labeled Standards	Type	LCS % Rec	LCS Quals	LCSD % Rec	LCSD Quals	Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
13C4-PFBA	IS	82.8		83.4		10 - 130	15-May-25 10:36	1	15-May-25 11:03	1
13C5-PFPeA	IS	79.9		79.8		40 - 130	15-May-25 10:36	1	15-May-25 11:03	1
13C2-4:2 FTS	IS	89.8		94.2		40 - 200	15-May-25 10:36	1	15-May-25 11:03	1
13C3-PFBS	IS	81.3		87.5		40 - 135	15-May-25 10:36	1	15-May-25 11:03	1
13C5-PFHxA	IS	84.2		82.3		40 - 130	15-May-25 10:36	1	15-May-25 11:03	1
13C3-HFPO-DA	IS	80.6		86.7		40 - 130	15-May-25 10:36	1	15-May-25 11:03	1
13C4-PFHpA	IS	82.8		81.7		40 - 130	15-May-25 10:36	1	15-May-25 11:03	1
13C2-6:2 FTS	IS	84.8		92.2		40 - 200	15-May-25 10:36	1	15-May-25 11:03	1
13C8-PFOA	IS	85.7		84.8		40 - 130	15-May-25 10:36	1	15-May-25 11:03	1
13C3-PFHxS	IS	78.3		84.8		40 - 130	15-May-25 10:36	1	15-May-25 11:03	1
13C9-PFNA	IS	84.7		88.1		40 - 130	15-May-25 10:36	1	15-May-25 11:03	1
13C2-8:2 FTS	IS	87.9		89.6		40 - 300	15-May-25 10:36	1	15-May-25 11:03	1
13C6-PFDA	IS	85.5		84.2		40 - 130	15-May-25 10:36	1	15-May-25 11:03	1
d3-MeFOSAA	IS	77.1		80.7		40 - 170	15-May-25 10:36	1	15-May-25 11:03	1
13C8-PFOS	IS	78.1		80.7		40 - 130	15-May-25 10:36	1	15-May-25 11:03	1
d5-EtFOSAA	IS	73.3		72.8		25 - 135	15-May-25 10:36	1	15-May-25 11:03	1
13C7-PFUnA	IS	79.9		82.4		30 - 130	15-May-25 10:36	1	15-May-25 11:03	1
13C2-PFDoA	IS	76.9		72.2		10 - 130	15-May-25 10:36	1	15-May-25 11:03	1
13C8-PFOSA	IS	55.9		57.1		40 - 130	15-May-25 10:36	1	15-May-25 11:03	1
13C2-PFTeDA	IS	69.4		71.8		10 - 130	15-May-25 10:36	1	15-May-25 11:03	1
d7-MeFOSE	IS	39.8		44.3		10 - 130	15-May-25 10:36	1	15-May-25 11:03	1
d3-MeFOSA	IS	27.2		30.1		10 - 130	15-May-25 10:36	1	15-May-25 11:03	1
d9-EtFOSE	IS	38.9		41.8		10 - 130	15-May-25 10:36	1	15-May-25 11:03	1
d5-EtFOSA	IS	29.1		30.1		10 - 130	15-May-25 10:36	1	15-May-25 11:03	1

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:	Apex Companies, LLC	Matrix:	Aqueous			Lab Sample:	B25E056-BS2	Column:	BEH C18		
Project:	24009923 Task 3										
Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	12.0	12.8	93.5	70 - 140		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFMPA	377-73-1	5.69	6.40	89.0	55 - 140		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
3:3 FTCA	356-02-5	13.8	16.0	86.2	65 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFPeA	2706-90-3	5.90	6.40	92.2	65 - 135		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFMBA	863090-89-5	5.86	6.40	91.6	60 - 150		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
4:2 FTS	757124-72-4	11.3	12.0	94.3	70 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
NFDHA	151772-58-6	6.06	6.40	94.7	50 - 150		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFBS	375-73-5	2.79	2.84	98.2	60 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFHxA	307-24-4	2.97	3.20	92.8	70 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
HFPO-DA	13252-13-6	12.2	12.8	95.5	70 - 140		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFEESA	113507-82-7	5.66	5.68	99.6	70 - 140		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
5:3 FTCA	914637-49-3	63.1	80.0	78.9	70 - 135		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFHpA	375-85-9	2.93	3.20	91.7	70 - 150		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFPeS	2706-91-4	2.92	3.01	96.8	65 - 140		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
ADONA	919005-14-4	11.4	12.1	94.3	65 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
6:2 FTS	27619-97-2	12.2	12.2	100	65 - 155		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFOA	335-67-1	3.37	3.20	105	70 - 150		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFHxS	355-46-4	2.75	2.92	94.1	65 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
7:3 FTCA	812-70-4	55.1	80.0	68.9	50 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFNA	375-95-1	3.25	3.20	101	70 - 150		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFHpS	375-92-8	3.03	3.05	99.4	70 - 150		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
8:2 FTS	39108-34-4	11.7	12.3	95.4	60 - 150		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFDA	335-76-2	3.31	3.20	103	70 - 140		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
MeFOSAA	2355-31-9	3.13	3.20	97.8	50 - 140		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFOS	1763-23-1	2.79	2.97	93.8	55 - 150		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
EtFOSAA	2991-50-6	3.38	3.20	105	70 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFUnA	2058-94-8	3.03	3.20	94.6	70 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
9Cl-PF3ONS	756426-58-1	10.3	12.0	86.4	70 - 155		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFNS	68259-12-1	3.12	3.08	101	65 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFDaA	307-55-1	3.28	3.20	103	70 - 140		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFDS	335-77-3	2.64	3.09	85.4	60 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFOSA	754-91-6	3.35	3.20	105	70 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFTTrDA	72629-94-8	2.93	3.20	91.6	65 - 140		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
11Cl-PF3OUdS	763051-92-9	9.39	12.1	77.7	55 - 160		B25E056	12-May-25	0.500 L	15-May-25 10:50	1

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:	Apex Companies, LLC	Matrix:	Aqueous			Lab Sample:	B25E056-BS2	Column:	BEH C18		
Project:	24009923 Task 3										
Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFTeDA	376-06-7	3.22	3.20	100	60 - 140		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
PFDoS	79780-39-5	2.41	3.10	77.6	50 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
MeFOSE	24448-09-7	31.0	32.0	96.7	70 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
MeFOSA	31506-32-8	3.49	3.20	109	60 - 150		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
EtFOSE	1691-99-2	31.3	32.0	97.7	70 - 135		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
EtFOSA	4151-50-2	3.15	3.20	98.4	65 - 145		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
Labeled Standards	Type			% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS			86.2	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C5-PFPeA	IS			89.2	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C2-4:2 FTS	IS			97.2	40 - 200		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C3-PFBS	IS			91.9	40 - 135		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C5-PFHxA	IS			90.9	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C3-HFPO-DA	IS			90.0	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C4-PFHpA	IS			87.4	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C2-6:2 FTS	IS			88.9	40 - 200		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C8-PFOA	IS			84.9	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C3-PFHxS	IS			88.5	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C9-PFNA	IS			89.7	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C2-8:2 FTS	IS			91.8	40 - 300		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C6-PFDA	IS			89.3	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
d3-MeFOSAA	IS			85.8	40 - 170		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C8-PFOS	IS			84.0	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
d5-EtFOSAA	IS			84.3	25 - 135		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C7-PFUnA	IS			85.0	30 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C2-PFDoA	IS			78.2	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C8-PFOSA	IS			59.8	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
13C2-PFTeDA	IS			74.8	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
d7-MeFOSE	IS			45.6	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
d3-MeFOSA	IS			32.9	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
d9-EtFOSE	IS			44.0	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1
d5-EtFOSA	IS			34.3	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 10:50	1

Sample ID: MW-1-042825

EPA Method 1633

Client Data				Laboratory Data			
Name:	Apex Companies, LLC	Matrix:	Water	Lab Sample:	2505033-01	Column:	BEH C18
Project:	24009923 Task 3	Date Collected:	28-Apr-25 15:10	Date Received:	02-May-25 09:40		

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.41		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFMPA	377-73-1	ND	3.20		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
3:3 FTCA	356-02-5	ND	8.01		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFPeA	2706-90-3	ND	3.20	I	B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFMBA	863090-89-5	ND	3.20		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
4:2 FTS	757124-72-4	ND	6.01		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
NFDHA	151772-58-6	ND	3.20		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFBS	375-73-5	2.26	1.42		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFHxA	307-24-4	3.79	1.60		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
HFPO-DA	13252-13-6	ND	6.69		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFEESA	113507-82-7	ND	2.85		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
5:3 FTCA	914637-49-3	ND	40.1		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFHpA	375-85-9	3.41	1.60		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFPeS	2706-91-4	ND	1.50		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
ADONA	919005-14-4	ND	6.33		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
6:2 FTS	27619-97-2	ND	6.08		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFOA	335-67-1	13.1	2.00		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFHxS	355-46-4	9.45	1.46		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
7:3 FTCA	812-70-4	ND	40.1		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFNA	375-95-1	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFHpS	375-92-8	ND	1.52		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
8:2 FTS	39108-34-4	ND	6.15		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFDA	335-76-2	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
MeFOSAA	2355-31-9	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFOS	1763-23-1	5.36	1.49	I	B25E056	12-May-25	0.499 L	15-May-25 11:44	1
EtFOSAA	2991-50-6	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFUnA	2058-94-8	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
9Cl-PF3ONS	756426-58-1	ND	6.25		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFNS	68259-12-1	ND	1.54		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFDoA	307-55-1	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFDS	335-77-3	ND	1.54		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFOSA	754-91-6	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFTTrDA	72629-94-8	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
11Cl-PF3OUdS	763051-92-9	ND	6.01		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFTeDA	376-06-7	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
PFDoS	79780-39-5	ND	1.55		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
MeFOSE	24448-09-7	ND	16.0		B25E056	12-May-25	0.499 L	15-May-25 11:44	1

Sample ID: MW-1-042825					EPA Method 1633				
Client Data				Laboratory Data					
Name: Apex Companies, LLC		Matrix: Water		Lab Sample: 2505033-01		Column: BEH C18			
Project: 24009923 Task 3		Date Collected: 28-Apr-25 15:10		Date Received: 02-May-25 09:40					
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
EtFOSE	1691-99-2	ND	16.0		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
EtFOSA	4151-50-2	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	95.0	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C5-PFPeA	IS	102	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C2-4:2 FTS	IS	114	40 - 200		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C3-PFBS	IS	93.2	40 - 135		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C5-PFHxA	IS	104	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C3-HFPO-DA	IS	90.9	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C4-PFHpA	IS	105	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C2-6:2 FTS	IS	108	40 - 200		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C8-PFOA	IS	96.5	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C3-PFHxS	IS	98.2	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C9-PFNA	IS	103	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C2-8:2 FTS	IS	102	40 - 300		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C6-PFDA	IS	99.3	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
d3-MeFOSAA	IS	95.3	40 - 170		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C8-PFOS	IS	91.1	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
d5-EtFOSAA	IS	89.9	25 - 135		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C7-PFUnA	IS	97.2	30 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C2-PFDoA	IS	91.3	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C8-PFOSA	IS	71.9	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
13C2-PFTeDA	IS	81.7	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
d7-MeFOSE	IS	62.5	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
d3-MeFOSA	IS	42.8	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
d9-EtFOSE	IS	66.0	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1
d5-EtFOSA	IS	45.6	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 11:44	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-6-042825
EPA Method 1633

Client Data					Laboratory Data					
Name:	Apex Companies, LLC	Matrix:	Water		Lab Sample:	2505033-02	Column:	BEH C18		
Project:	24009923 Task 3	Date Collected:	28-Apr-25 08:10		Date Received:	02-May-25 09:40				
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	180	6.39		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFMPA	377-73-1	ND	3.20		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
3:3 FTCA	356-02-5	21.8	7.99		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFPeA	2706-90-3	654	3.20		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFMBA	863090-89-5	ND	3.20		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
4:2 FTS	757124-72-4	12.6	5.99		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
NFDHA	151772-58-6	ND	3.20		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFBS	375-73-5	50.6	1.42		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFHxA	307-24-4	697	1.60		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
HFPO-DA	13252-13-6	ND	6.67		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFEESA	113507-82-7	ND	2.85		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
5:3 FTCA	914637-49-3	910	39.9		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFHpA	375-85-9	366	1.60		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFPeS	2706-91-4	38.5	1.50		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
ADONA	919005-14-4	ND	6.31		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
6:2 FTS	27619-97-2	906	6.06		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFOA	335-67-1	4280	2.00	E	B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFOA	335-67-1	4420	20.0	D	B25E056	12-May-25	0.501 L	17-May-25 07:17	10	
PFHxS	355-46-4	578	1.46		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
7:3 FTCA	812-70-4	ND	39.9		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFNA	375-95-1	19.8	1.60		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFHpS	375-92-8	6.73	1.52		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
8:2 FTS	39108-34-4	157	6.13		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFDA	335-76-2	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
MeFOSAA	2355-31-9	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFOS	1763-23-1	135	1.49		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
EtFOSAA	2991-50-6	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFUnA	2058-94-8	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
9Cl-PF3ONS	756426-58-1	ND	6.23		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFNS	68259-12-1	ND	1.54		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFDaA	307-55-1	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFDS	335-77-3	ND	1.54		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFOSA	754-91-6	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFTTrDA	72629-94-8	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
11Cl-PF3OUdS	763051-92-9	ND	5.99		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFTeDA	376-06-7	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	
PFDoS	79780-39-5	ND	1.55		B25E056	12-May-25	0.501 L	15-May-25 11:58	1	

Sample ID: MW-6-042825					EPA Method 1633				
Client Data				Laboratory Data					
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2505033-02		Column:	BEH C18
Project:	24009923 Task 3		Date Collected:	28-Apr-25 08:10	Date Received:	02-May-25 09:40			
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSE	24448-09-7	ND	16.0		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
MeFOSA	31506-32-8	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
EtFOSE	1691-99-2	ND	16.0		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
EtFOSA	4151-50-2	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	29.2	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C5-PFPeA	IS	94.3	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C2-4:2 FTS	IS	125	40 - 200		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C3-PFBS	IS	90.3	40 - 135		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C5-PFHxA	IS	97.3	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C3-HFPO-DA	IS	103	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C4-PFHpA	IS	98.4	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C2-6:2 FTS	IS	105	40 - 200		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C8-PFOA	IS	98.4	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C8-PFOA	IS	105	40 - 130	D	B25E056	12-May-25	0.501 L	17-May-25 07:17	10
13C3-PFHxS	IS	88.8	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C9-PFNA	IS	91.8	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C2-8:2 FTS	IS	108	40 - 300		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C6-PFDA	IS	94.0	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
d3-MeFOSAA	IS	84.0	40 - 170		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C8-PFOS	IS	85.9	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
d5-EtFOSAA	IS	81.4	25 - 135		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C7-PFUnA	IS	91.3	30 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C2-PFDoA	IS	87.9	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C8-PFOA	IS	61.6	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
13C2-PFTeDA	IS	85.7	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
d7-MeFOSE	IS	60.4	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
d3-MeFOSA	IS	51.6	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
d9-EtFOSE	IS	59.2	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1
d5-EtFOSA	IS	52.0	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 11:58	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-8-042825

EPA Method 1633

Client Data				Laboratory Data			
Name:	Apex Companies, LLC	Matrix:	Water	Lab Sample:	2505033-03	Column:	BEH C18
Project:	24009923 Task 3	Date Collected:	28-Apr-25 11:00	Date Received:	02-May-25 09:40		

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	26.9	6.43		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFMPA	377-73-1	ND	3.22		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
3:3 FTCA	356-02-5	ND	8.04		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFPeA	2706-90-3	66.8	3.22		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFMBA	863090-89-5	ND	3.22		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
4:2 FTS	757124-72-4	ND	6.03		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
NFDHA	151772-58-6	ND	3.22		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFBS	375-73-5	1.64	1.43		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFHxA	307-24-4	66.1	1.61		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
HFPO-DA	13252-13-6	ND	6.71		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFEESA	113507-82-7	ND	2.86		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
5:3 FTCA	914637-49-3	84.9	40.2		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFHpA	375-85-9	31.4	1.61		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFPeS	2706-91-4	ND	1.51		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
ADONA	919005-14-4	ND	6.35		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
6:2 FTS	27619-97-2	ND	6.10		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFOA	335-67-1	88.4	2.01		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFHxS	355-46-4	7.91	1.47		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
7:3 FTCA	812-70-4	ND	40.2		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFNA	375-95-1	2.63	1.61		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFHpS	375-92-8	ND	1.53		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
8:2 FTS	39108-34-4	ND	6.17		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFDA	335-76-2	ND	1.61		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
MeFOSAA	2355-31-9	ND	1.61		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFOS	1763-23-1	2.10	1.50		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
EtFOSAA	2991-50-6	ND	1.61		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFUnA	2058-94-8	ND	1.61		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
9Cl-PF3ONS	756426-58-1	ND	6.27		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFNS	68259-12-1	ND	1.55		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFDoA	307-55-1	ND	1.61		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFDS	335-77-3	ND	1.55		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFOSA	754-91-6	ND	1.61		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFTTrDA	72629-94-8	ND	1.61		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
11Cl-PF3OUdS	763051-92-9	ND	6.03		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFTeDA	376-06-7	ND	1.61		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
PFDoS	79780-39-5	ND	1.56		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
MeFOSE	24448-09-7	ND	16.1		B25E056	12-May-25	0.498 L	17-May-25 07:31	1

Sample ID: MW-8-042825					EPA Method 1633				
Client Data				Laboratory Data					
Name: Apex Companies, LLC		Matrix: Water		Lab Sample: 2505033-03		Column: BEH C18			
Project: 24009923 Task 3		Date Collected: 28-Apr-25 11:00		Date Received: 02-May-25 09:40					
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	1.61		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
EtFOSE	1691-99-2	ND	16.1		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
EtFOSA	4151-50-2	ND	1.61		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	53.1	10 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C5-PFPeA	IS	92.3	40 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C2-4:2 FTS	IS	151	40 - 200		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C3-PFBS	IS	101	40 - 135		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C5-PFHxA	IS	92.0	40 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C3-HFPO-DA	IS	85.9	40 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C4-PFHpA	IS	90.1	40 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C2-6:2 FTS	IS	105	40 - 200		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C8-PFOA	IS	96.5	40 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C3-PFHxS	IS	92.4	40 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C9-PFNA	IS	86.3	40 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C2-8:2 FTS	IS	106	40 - 300		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C6-PFDA	IS	97.1	40 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
d3-MeFOSAA	IS	84.9	40 - 170		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C8-PFOS	IS	88.8	40 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
d5-EtFOSAA	IS	83.0	25 - 135		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C7-PFUnA	IS	92.9	30 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C2-PFDoA	IS	80.8	10 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C8-PFOSA	IS	64.1	40 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
13C2-PFTeDA	IS	74.8	10 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
d7-MeFOSE	IS	68.2	10 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
d3-MeFOSA	IS	52.5	10 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
d9-EtFOSE	IS	64.6	10 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1
d5-EtFOSA	IS	54.9	10 - 130		B25E056	12-May-25	0.498 L	17-May-25 07:31	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-11-L58499-042825
EPA Method 1633

Client Data				Laboratory Data			
Name:	Apex Companies, LLC	Matrix:	Water	Lab Sample:	2505033-04	Column:	BEH C18
Project:	24009923 Task 3	Date Collected:	28-Apr-25 11:40	Date Received:	02-May-25 09:40		

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	104	6.45		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFMPA	377-73-1	ND	3.22		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
3:3 FTCA	356-02-5	ND	8.06		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFPeA	2706-90-3	429	3.22		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFMBA	863090-89-5	ND	3.22		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
4:2 FTS	757124-72-4	ND	6.04		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
NFDHA	151772-58-6	ND	3.22		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFBS	375-73-5	5.53	1.43		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFHxA	307-24-4	547	1.61		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
HFPO-DA	13252-13-6	ND	6.73		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFEESA	113507-82-7	ND	2.87		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
5:3 FTCA	914637-49-3	ND	40.3		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFHpA	375-85-9	117	1.61		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFPeS	2706-91-4	4.26	1.51		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
ADONA	919005-14-4	ND	6.37		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
6:2 FTS	27619-97-2	ND	6.11		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFOA	335-67-1	832	2.01		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFHxS	355-46-4	67.0	1.47		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
7:3 FTCA	812-70-4	ND	40.3		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFNA	375-95-1	ND	1.61		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFHpS	375-92-8	ND	1.53		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
8:2 FTS	39108-34-4	ND	6.18		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFDA	335-76-2	ND	1.61		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
MeFOSAA	2355-31-9	ND	1.61		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFOS	1763-23-1	1.65	1.50	I	B25E056	12-May-25	0.496 L	17-May-25 07:45	1
EtFOSAA	2991-50-6	ND	1.61		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFUnA	2058-94-8	ND	1.61		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
9Cl-PF3ONS	756426-58-1	ND	6.28		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFNS	68259-12-1	ND	1.55		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFDoA	307-55-1	ND	1.61		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFDS	335-77-3	ND	1.55		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFOSA	754-91-6	ND	1.61		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFTTrDA	72629-94-8	ND	1.61		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
11Cl-PF3OUdS	763051-92-9	ND	6.04		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFTeDA	376-06-7	ND	1.61		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
PFDoS	79780-39-5	ND	1.56		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
MeFOSE	24448-09-7	ND	16.1		B25E056	12-May-25	0.496 L	17-May-25 07:45	1

Sample ID: MW-11-L58499-042825					EPA Method 1633				
Client Data				Laboratory Data					
Name: Apex Companies, LLC		Matrix: Water		Lab Sample: 2505033-04		Column: BEH C18			
Project: 24009923 Task 3		Date Collected: 28-Apr-25 11:40		Date Received: 02-May-25 09:40					
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	1.61		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
EtFOSE	1691-99-2	ND	16.1		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
EtFOSA	4151-50-2	ND	1.61		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	57.4	10 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C5-PFPeA	IS	87.9	40 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C2-4:2 FTS	IS	117	40 - 200		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C3-PFBS	IS	96.4	40 - 135		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C5-PFHxA	IS	94.9	40 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C3-HFPO-DA	IS	88.1	40 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C4-PFHpA	IS	89.8	40 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C2-6:2 FTS	IS	97.3	40 - 200		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C8-PFOA	IS	89.0	40 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C3-PFHxS	IS	88.6	40 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C9-PFNA	IS	90.0	40 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C2-8:2 FTS	IS	94.1	40 - 300		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C6-PFDA	IS	75.7	40 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
d3-MeFOSAA	IS	81.3	40 - 170		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C8-PFOS	IS	81.9	40 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
d5-EtFOSAA	IS	78.4	25 - 135		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C7-PFUnA	IS	77.0	30 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C2-PFDoA	IS	71.2	10 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C8-PFOSA	IS	63.1	40 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
13C2-PFTeDA	IS	61.7	10 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
d7-MeFOSE	IS	60.1	10 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
d3-MeFOSA	IS	49.5	10 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
d9-EtFOSE	IS	58.0	10 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1
d5-EtFOSA	IS	47.9	10 - 130		B25E056	12-May-25	0.496 L	17-May-25 07:45	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-12-L58397-042825
EPA Method 1633

Client Data				Laboratory Data			
Name:	Apex Companies, LLC	Matrix:	Water	Lab Sample:	2505033-05	Column:	BEH C18
Project:	24009923 Task 3	Date Collected:	28-Apr-25 10:03	Date Received:	02-May-25 09:40		

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	22.7	6.47		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFMPA	377-73-1	ND	3.23		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
3:3 FTCA	356-02-5	37.1	8.08		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFPeA	2706-90-3	94.5	3.23		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFMBA	863090-89-5	ND	3.23		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
4:2 FTS	757124-72-4	ND	6.06		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
NFDHA	151772-58-6	ND	3.23		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFBS	375-73-5	2.29	1.43		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFHxA	307-24-4	163	1.62		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
HFPO-DA	13252-13-6	ND	6.75		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFEESA	113507-82-7	ND	2.88		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
5:3 FTCA	914637-49-3	126	40.4		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFHpA	375-85-9	298	1.62		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFPeS	2706-91-4	8.14	1.52		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
ADONA	919005-14-4	ND	6.39		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
6:2 FTS	27619-97-2	526	6.13		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFOA	335-67-1	567	2.02		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFHxS	355-46-4	201	1.48		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
7:3 FTCA	812-70-4	ND	40.4		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFNA	375-95-1	64.1	1.62		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFHpS	375-92-8	ND	1.54		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
8:2 FTS	39108-34-4	1350	6.20	E	B25E056	12-May-25	0.495 L	15-May-25 13:19	1
8:2 FTS	39108-34-4	1580	31.0	D	B25E056	12-May-25	0.495 L	17-May-25 07:59	5
PFDA	335-76-2	14.3	1.62		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
MeFOSAA	2355-31-9	ND	1.62		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFOS	1763-23-1	1330	1.51	E	B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFOS	1763-23-1	1240	7.53	D	B25E056	12-May-25	0.495 L	17-May-25 07:59	5
EtFOSAA	2991-50-6	ND	1.62		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFUnA	2058-94-8	ND	1.62		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
9Cl-PF3ONS	756426-58-1	ND	6.30		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFNS	68259-12-1	ND	1.56		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFDaA	307-55-1	ND	1.62		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFDS	335-77-3	ND	1.56		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFOSA	754-91-6	2.44	1.62		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFTTrDA	72629-94-8	ND	1.62		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
11Cl-PF3OUdS	763051-92-9	ND	6.06		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
PFTeDA	376-06-7	ND	1.62		B25E056	12-May-25	0.495 L	15-May-25 13:19	1

Sample ID: MW-12-L58397-042825					EPA Method 1633				
Client Data				Laboratory Data					
Name: Apex Companies, LLC		Matrix: Water		Lab Sample: 2505033-05		Column: BEH C18			
Project: 24009923 Task 3		Date Collected: 28-Apr-25 10:03		Date Received: 02-May-25 09:40					
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFDoS	79780-39-5	ND	1.57		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
MeFOSE	24448-09-7	ND	16.2		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
MeFOSA	31506-32-8	ND	1.62		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
EtFOSE	1691-99-2	ND	16.2		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
EtFOSA	4151-50-2	ND	1.62		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	60.7	10 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C5-PFPeA	IS	91.7	40 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C2-4:2 FTS	IS	144	40 - 200		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C3-PFBS	IS	97.1	40 - 135		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C5-PFHxA	IS	93.9	40 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C3-HFPO-DA	IS	93.5	40 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C4-PFHpA	IS	88.2	40 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C2-6:2 FTS	IS	105	40 - 200		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C8-PFOA	IS	89.7	40 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C3-PFHxS	IS	92.2	40 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C9-PFNA	IS	88.5	40 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C2-8:2 FTS	IS	113	40 - 300		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C2-8:2 FTS	IS	107	40 - 300	D	B25E056	12-May-25	0.495 L	17-May-25 07:59	5
13C6-PFDA	IS	94.2	40 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
d3-MeFOSAA	IS	99.6	40 - 170		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C8-PFOS	IS	84.5	40 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C8-PFOS	IS	95.4	40 - 130	D	B25E056	12-May-25	0.495 L	17-May-25 07:59	5
d5-EtFOSAA	IS	94.6	25 - 135		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C7-PFUnA	IS	86.4	30 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C2-PFDoA	IS	78.3	10 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C8-PFOSA	IS	76.3	40 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
13C2-PFTeDA	IS	76.3	10 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
d7-MeFOSE	IS	72.4	10 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
d3-MeFOSA	IS	62.4	10 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
d9-EtFOSE	IS	71.2	10 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1
d5-EtFOSA	IS	64.0	10 - 130		B25E056	12-May-25	0.495 L	15-May-25 13:19	1

RL - Reporting limit

Results reported to RL.

Sample ID: TCORE-3-042825
EPA Method 1633

Client Data				Laboratory Data			
Name:	Apex Companies, LLC	Matrix:	Water	Lab Sample:	2505033-06	Column:	BEH C18
Project:	24009923 Task 3	Date Collected:	28-Apr-25 13:30	Date Received:	02-May-25 09:40		

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.42		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFMPA	377-73-1	ND	3.21		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
3:3 FTCA	356-02-5	ND	8.02		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFPeA	2706-90-3	ND	3.21		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFMBA	863090-89-5	ND	3.21		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
4:2 FTS	757124-72-4	ND	6.02		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
NFDHA	151772-58-6	ND	3.21		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFBS	375-73-5	ND	1.42		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFHxA	307-24-4	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
HFPO-DA	13252-13-6	ND	6.70		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFEESA	113507-82-7	ND	2.86		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
5:3 FTCA	914637-49-3	ND	40.1		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFHpA	375-85-9	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFPeS	2706-91-4	ND	1.50		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
ADONA	919005-14-4	ND	6.34		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
6:2 FTS	27619-97-2	ND	6.09		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFOA	335-67-1	ND	2.01		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFHxS	355-46-4	ND	1.46		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
7:3 FTCA	812-70-4	ND	40.1		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFNA	375-95-1	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFHpS	375-92-8	ND	1.52		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
8:2 FTS	39108-34-4	ND	6.16		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFDA	335-76-2	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
MeFOSAA	2355-31-9	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFOS	1763-23-1	ND	1.49		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
EtFOSAA	2991-50-6	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFUnA	2058-94-8	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
9Cl-PF3ONS	756426-58-1	ND	6.26		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFNS	68259-12-1	ND	1.54		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFDoA	307-55-1	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFDS	335-77-3	ND	1.54		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFOSA	754-91-6	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFTTrDA	72629-94-8	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
11Cl-PF3OUdS	763051-92-9	ND	6.02		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFTeDA	376-06-7	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
PFDoS	79780-39-5	ND	1.55		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
MeFOSE	24448-09-7	ND	16.0		B25E056	12-May-25	0.499 L	15-May-25 13:32	1

Sample ID: TCORE-3-042825					EPA Method 1633				
Client Data				Laboratory Data					
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2505033-06		Column:	BEH C18
Project:	24009923 Task 3		Date Collected:	28-Apr-25 13:30	Date Received:	02-May-25 09:40			
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
EtFOSE	1691-99-2	ND	16.0		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
EtFOSA	4151-50-2	ND	1.60		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	90.7	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C5-PFPeA	IS	96.7	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C2-4:2 FTS	IS	109	40 - 200		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C3-PFBS	IS	95.9	40 - 135		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C5-PFHxA	IS	97.2	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C3-HFPO-DA	IS	95.6	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C4-PFHpA	IS	83.3	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C2-6:2 FTS	IS	100	40 - 200		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C8-PFOA	IS	91.6	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C3-PFHxS	IS	94.6	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C9-PFNA	IS	104	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C2-8:2 FTS	IS	106	40 - 300		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C6-PFDA	IS	102	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
d3-MeFOSAA	IS	77.2	40 - 170		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C8-PFOS	IS	87.9	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
d5-EtFOSAA	IS	78.4	25 - 135		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C7-PFUnA	IS	107	30 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C2-PFDoA	IS	104	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C8-PFOSA	IS	58.9	40 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
13C2-PFTeDA	IS	78.5	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
d7-MeFOSE	IS	59.9	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
d3-MeFOSA	IS	42.8	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
d9-EtFOSE	IS	58.1	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1
d5-EtFOSA	IS	45.9	10 - 130		B25E056	12-May-25	0.499 L	15-May-25 13:32	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-14-042825
EPA Method 1633

Client Data					Laboratory Data					
Name:	Apex Companies, LLC	Matrix:	Water		Lab Sample:	2505033-07	Column:	BEH C18		
Project:	24009923 Task 3	Date Collected:	28-Apr-25 09:15		Date Received:	02-May-25 09:40				
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	196	6.49		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFMPA	377-73-1	ND	3.24		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
3:3 FTCA	356-02-5	ND	8.11		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFPeA	2706-90-3	797	3.24		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFMBA	863090-89-5	ND	3.24		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
4:2 FTS	757124-72-4	21.3	6.08		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
NFDHA	151772-58-6	ND	3.24		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFBS	375-73-5	65.4	1.44		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFHxA	307-24-4	789	1.62		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
HFPO-DA	13252-13-6	ND	6.77		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFEESA	113507-82-7	ND	2.89		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
5:3 FTCA	914637-49-3	ND	40.6		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFHpA	375-85-9	326	1.62		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFPeS	2706-91-4	40.0	1.52		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
ADONA	919005-14-4	ND	6.41		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
6:2 FTS	27619-97-2	1260	6.15	E	B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
6:2 FTS	27619-97-2	1330	61.5	D	B25E056	12-May-25	0.493 L	17-May-25 08:13	10	
PFOA	335-67-1	4680	2.03	E	B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFOA	335-67-1	4950	20.3	D	B25E056	12-May-25	0.493 L	17-May-25 08:13	10	
PFHxS	355-46-4	438	1.48		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
7:3 FTCA	812-70-4	ND	40.6		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFNA	375-95-1	20.2	1.62		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFHpS	375-92-8	3.87	1.54		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
8:2 FTS	39108-34-4	ND	6.22		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFDA	335-76-2	ND	1.62		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
MeFOSAA	2355-31-9	ND	1.62		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFOS	1763-23-1	91.6	1.51	I	B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
EtFOSAA	2991-50-6	ND	1.62		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFUnA	2058-94-8	ND	1.62		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
9Cl-PF3ONS	756426-58-1	ND	6.33		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFNS	68259-12-1	ND	1.56		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFDoA	307-55-1	ND	1.62		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFDS	335-77-3	ND	1.56		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFOSA	754-91-6	ND	1.62		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFTTrDA	72629-94-8	ND	1.62		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
11Cl-PF3OUdS	763051-92-9	ND	6.08		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	
PFTeDA	376-06-7	ND	1.62		B25E056	12-May-25	0.493 L	15-May-25 13:46	1	

Sample ID: MW-14-042825					EPA Method 1633				
Client Data				Laboratory Data					
Name: Apex Companies, LLC		Matrix: Water		Lab Sample: 2505033-07		Column: BEH C18			
Project: 24009923 Task 3		Date Collected: 28-Apr-25 09:15		Date Received: 02-May-25 09:40					
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFDoS	79780-39-5	ND	1.57		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
MeFOSE	24448-09-7	ND	16.2		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
MeFOSA	31506-32-8	ND	1.62		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
EtFOSE	1691-99-2	ND	16.2		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
EtFOSA	4151-50-2	ND	1.62		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	87.5	10 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C5-PFPeA	IS	94.7	40 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C2-4:2 FTS	IS	133	40 - 200		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C3-PFBS	IS	93.8	40 - 135		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C5-PFHxA	IS	97.9	40 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C3-HFPO-DA	IS	96.5	40 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C4-PFHpA	IS	101	40 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C2-6:2 FTS	IS	96.9	40 - 200		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C2-6:2 FTS	IS	96.4	40 - 200	D	B25E056	12-May-25	0.493 L	17-May-25 08:13	10
13C8-PFOA	IS	95.3	40 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C8-PFOA	IS	76.6	40 - 130	D	B25E056	12-May-25	0.493 L	17-May-25 08:13	10
13C3-PFHxS	IS	92.0	40 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C9-PFNA	IS	83.0	40 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C2-8:2 FTS	IS	103	40 - 300		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C6-PFDA	IS	94.3	40 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
d3-MeFOSAA	IS	75.8	40 - 170		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C8-PFOS	IS	85.7	40 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
d5-EtFOSAA	IS	71.9	25 - 135		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C7-PFUnA	IS	85.9	30 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C2-PFDoA	IS	69.1	10 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C8-PFOSA	IS	59.6	40 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
13C2-PFTeDA	IS	45.4	10 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
d7-MeFOSE	IS	44.6	10 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
d3-MeFOSA	IS	40.0	10 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
d9-EtFOSE	IS	39.5	10 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1
d5-EtFOSA	IS	37.5	10 - 130		B25E056	12-May-25	0.493 L	15-May-25 13:46	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-101-042925					EPA Method 1633				
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2505033-08		Column:	BEH C18
Project:	24009923 Task 3		Date Collected:	29-Apr-25 12:15	Date Received:	02-May-25 09:40			
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.52		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFMPA	377-73-1	ND	3.26		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
3:3 FTCA	356-02-5	ND	8.15		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFPeA	2706-90-3	3.58	3.26		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFMBA	863090-89-5	ND	3.26		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
4:2 FTS	757124-72-4	ND	6.11		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
NFDHA	151772-58-6	ND	3.26		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFBS	375-73-5	ND	1.45	I	B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFHxA	307-24-4	2.66	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
HFPO-DA	13252-13-6	ND	6.81		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFEESA	113507-82-7	ND	2.90		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
5:3 FTCA	914637-49-3	ND	40.8		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFHpA	375-85-9	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFPeS	2706-91-4	ND	1.53		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
ADONA	919005-14-4	ND	6.44		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
6:2 FTS	27619-97-2	ND	6.19		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFOA	335-67-1	7.47	2.04		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFHxS	355-46-4	1.82	1.49		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
7:3 FTCA	812-70-4	ND	40.8		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFNA	375-95-1	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFHpS	375-92-8	ND	1.55		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
8:2 FTS	39108-34-4	ND	6.26		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFDA	335-76-2	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
MeFOSAA	2355-31-9	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFOS	1763-23-1	2.83	1.52		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
EtFOSAA	2991-50-6	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFUnA	2058-94-8	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
9Cl-PF3ONS	756426-58-1	ND	6.36		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFNS	68259-12-1	ND	1.57		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFDoA	307-55-1	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFDS	335-77-3	ND	1.57		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFOSA	754-91-6	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFTTrDA	72629-94-8	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
11Cl-PF3OUdS	763051-92-9	ND	6.11		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFTeDA	376-06-7	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
PFDoS	79780-39-5	ND	1.58		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
MeFOSE	24448-09-7	ND	16.3		B25E056	12-May-25	0.491 L	17-May-25 09:08	1

Sample ID: MW-101-042925					EPA Method 1633				
Client Data				Laboratory Data					
Name: Apex Companies, LLC		Matrix: Water		Lab Sample: 2505033-08		Column: BEH C18			
Project: 24009923 Task 3		Date Collected: 29-Apr-25 12:15		Date Received: 02-May-25 09:40					
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
EtFOSE	1691-99-2	ND	16.3		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
EtFOSA	4151-50-2	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	76.3	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C5-PFPeA	IS	96.4	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C2-4:2 FTS	IS	128	40 - 200		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C3-PFBS	IS	98.6	40 - 135		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C5-PFHxA	IS	94.0	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C3-HFPO-DA	IS	88.3	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C4-PFHpA	IS	91.6	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C2-6:2 FTS	IS	103	40 - 200		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C8-PFOA	IS	88.6	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C3-PFHxS	IS	92.5	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C9-PFNA	IS	91.3	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C2-8:2 FTS	IS	111	40 - 300		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C6-PFDA	IS	90.6	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
d3-MeFOSAA	IS	85.5	40 - 170		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C8-PFOS	IS	93.3	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
d5-EtFOSAA	IS	86.5	25 - 135		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C7-PFUnA	IS	89.0	30 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C2-PFDoA	IS	83.0	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C8-PFOSA	IS	59.4	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
13C2-PFTeDA	IS	66.2	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
d7-MeFOSE	IS	59.7	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
d3-MeFOSA	IS	44.4	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
d9-EtFOSE	IS	60.6	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1
d5-EtFOSA	IS	44.7	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:08	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-102-042925				EPA Method 1633					
Client Data				Laboratory Data					
Name:	Apex Companies, LLC	Matrix:	Water	Lab Sample:	2505033-09	Column:	BEH C18		
Project:	24009923 Task 3	Date Collected:	29-Apr-25 11:05	Date Received:	02-May-25 09:40				
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.49		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFMPA	377-73-1	ND	3.24		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
3:3 FTCA	356-02-5	ND	8.11		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFPeA	2706-90-3	4.36	3.24		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFMBA	863090-89-5	ND	3.24		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
4:2 FTS	757124-72-4	ND	6.08		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
NFDHA	151772-58-6	ND	3.24		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFBS	375-73-5	ND	1.44		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFHxA	307-24-4	4.68	1.62		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
HFPO-DA	13252-13-6	ND	6.77		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFEESA	113507-82-7	ND	2.89		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
5:3 FTCA	914637-49-3	ND	40.5		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFHpA	375-85-9	3.15	1.62		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFPeS	2706-91-4	ND	1.52		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
ADONA	919005-14-4	ND	6.40		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
6:2 FTS	27619-97-2	ND	6.15		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFOA	335-67-1	10.7	2.03		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFHxS	355-46-4	3.95	1.48		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
7:3 FTCA	812-70-4	ND	40.5		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFNA	375-95-1	ND	1.62		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFHpS	375-92-8	ND	1.54		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
8:2 FTS	39108-34-4	ND	6.22		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFDA	335-76-2	ND	1.62		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
MeFOSAA	2355-31-9	ND	1.62		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFOS	1763-23-1	ND	1.51		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
EtFOSAA	2991-50-6	ND	1.62		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFUnA	2058-94-8	ND	1.62		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
9Cl-PF3ONS	756426-58-1	ND	6.32		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFNS	68259-12-1	ND	1.56		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFDoA	307-55-1	ND	1.62		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFDS	335-77-3	ND	1.56		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFOSA	754-91-6	ND	1.62		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFTTrDA	72629-94-8	ND	1.62		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
11Cl-PF3OUdS	763051-92-9	ND	6.08		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFTeDA	376-06-7	ND	1.62		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
PFDoS	79780-39-5	ND	1.57		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
MeFOSE	24448-09-7	ND	16.2		B25E056	12-May-25	0.493 L	17-May-25 09:21	1

Sample ID: MW-102-042925					EPA Method 1633				
Client Data				Laboratory Data					
Name: Apex Companies, LLC		Matrix: Water		Lab Sample: 2505033-09		Column: BEH C18			
Project: 24009923 Task 3		Date Collected: 29-Apr-25 11:05		Date Received: 02-May-25 09:40					
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	1.62		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
EtFOSE	1691-99-2	ND	16.2		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
EtFOSA	4151-50-2	ND	1.62		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	85.4	10 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C5-PFPeA	IS	91.5	40 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C2-4:2 FTS	IS	101	40 - 200		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C3-PFBS	IS	82.6	40 - 135		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C5-PFHxA	IS	85.9	40 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C3-HFPO-DA	IS	88.4	40 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C4-PFHpA	IS	88.8	40 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C2-6:2 FTS	IS	89.4	40 - 200		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C8-PFOA	IS	87.5	40 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C3-PFHxS	IS	85.3	40 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C9-PFNA	IS	89.2	40 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C2-8:2 FTS	IS	85.5	40 - 300		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C6-PFDA	IS	84.5	40 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
d3-MeFOSAA	IS	83.3	40 - 170		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C8-PFOS	IS	84.5	40 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
d5-EtFOSAA	IS	84.7	25 - 135		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C7-PFUnA	IS	86.2	30 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C2-PFDoA	IS	79.3	10 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C8-PFOSA	IS	63.7	40 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
13C2-PFTeDA	IS	76.8	10 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
d7-MeFOSE	IS	66.6	10 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
d3-MeFOSA	IS	53.6	10 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
d9-EtFOSE	IS	65.6	10 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1
d5-EtFOSA	IS	56.4	10 - 130		B25E056	12-May-25	0.493 L	17-May-25 09:21	1

RL - Reporting limit

Results reported to RL.

Sample ID: DW-102-042925
EPA Method 1633

Client Data				Laboratory Data			
Name:	Apex Companies, LLC	Matrix:	Water	Lab Sample:	2505033-10	Column:	BEH C18
Project:	24009923 Task 3	Date Collected:	29-Apr-25 10:15	Date Received:	02-May-25 09:40		

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.48		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFMPA	377-73-1	ND	3.24		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
3:3 FTCA	356-02-5	ND	8.10		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFPeA	2706-90-3	ND	3.24		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFMBA	863090-89-5	ND	3.24		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
4:2 FTS	757124-72-4	ND	6.07		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
NFDHA	151772-58-6	ND	3.24		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFBS	375-73-5	ND	1.44		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFHxA	307-24-4	ND	1.62		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
HFPO-DA	13252-13-6	ND	6.76		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFEESA	113507-82-7	ND	2.89		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
5:3 FTCA	914637-49-3	ND	40.5		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFHpA	375-85-9	ND	1.62		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFPeS	2706-91-4	ND	1.52		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
ADONA	919005-14-4	ND	6.40		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
6:2 FTS	27619-97-2	ND	6.15		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFOA	335-67-1	ND	2.02		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFHxS	355-46-4	ND	1.48		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
7:3 FTCA	812-70-4	ND	40.5		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFNA	375-95-1	ND	1.62		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFHpS	375-92-8	ND	1.54		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
8:2 FTS	39108-34-4	ND	6.22		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFDA	335-76-2	ND	1.62		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
MeFOSAA	2355-31-9	ND	1.62		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFOS	1763-23-1	ND	1.51		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
EtFOSAA	2991-50-6	ND	1.62		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFUnA	2058-94-8	ND	1.62		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
9Cl-PF3ONS	756426-58-1	ND	6.32		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFNS	68259-12-1	ND	1.56		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFDoA	307-55-1	ND	1.62		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFDS	335-77-3	ND	1.56		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFOSA	754-91-6	ND	1.62		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFTTrDA	72629-94-8	ND	1.62		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
11Cl-PF3OUdS	763051-92-9	ND	6.07		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFTeDA	376-06-7	ND	1.62		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
PFDoS	79780-39-5	ND	1.57		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
MeFOSE	24448-09-7	ND	16.2		B25E056	12-May-25	0.494 L	15-May-25 14:27	1

Sample ID: DW-102-042925					EPA Method 1633				
Client Data				Laboratory Data					
Name: Apex Companies, LLC		Matrix: Water		Lab Sample: 2505033-10		Column: BEH C18			
Project: 24009923 Task 3		Date Collected: 29-Apr-25 10:15		Date Received: 02-May-25 09:40					
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	1.62		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
EtFOSE	1691-99-2	ND	16.2		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
EtFOSA	4151-50-2	ND	1.62		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	64.5	10 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C5-PFPeA	IS	94.9	40 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C2-4:2 FTS	IS	128	40 - 200		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C3-PFBS	IS	101	40 - 135		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C5-PFHxA	IS	98.6	40 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C3-HFPO-DA	IS	96.2	40 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C4-PFHpA	IS	103	40 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C2-6:2 FTS	IS	111	40 - 200		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C8-PFOA	IS	93.3	40 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C3-PFHxS	IS	103	40 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C9-PFNA	IS	94.6	40 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C2-8:2 FTS	IS	108	40 - 300		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C6-PFDA	IS	105	40 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
d3-MeFOSAA	IS	85.1	40 - 170		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C8-PFOS	IS	84.3	40 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
d5-EtFOSAA	IS	84.7	25 - 135		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C7-PFUnA	IS	97.9	30 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C2-PFDoA	IS	83.3	10 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C8-PFOSA	IS	71.3	40 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
13C2-PFTeDA	IS	59.3	10 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
d7-MeFOSE	IS	55.5	10 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
d3-MeFOSA	IS	50.7	10 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
d9-EtFOSE	IS	51.3	10 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1
d5-EtFOSA	IS	43.8	10 - 130		B25E056	12-May-25	0.494 L	15-May-25 14:27	1

RL - Reporting limit

Results reported to RL.

Sample ID: EB-Tubing-042925				EPA Method 1633					
Client Data				Laboratory Data					
Name:	Apex Companies, LLC	Matrix:	Water	Lab Sample:	2505033-11	Column:	BEH C18		
Project:	24009923 Task 3	Date Collected:	29-Apr-25 13:32	Date Received:	02-May-25 09:40				
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.31		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFMPA	377-73-1	ND	3.15		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
3:3 FTCA	356-02-5	ND	7.89		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFPeA	2706-90-3	ND	3.15		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFMBA	863090-89-5	ND	3.15		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
4:2 FTS	757124-72-4	ND	5.91		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
NFDHA	151772-58-6	ND	3.15		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFBS	375-73-5	ND	1.40		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFHxA	307-24-4	ND	1.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
HFPO-DA	13252-13-6	ND	6.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFEESA	113507-82-7	ND	2.81		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
5:3 FTCA	914637-49-3	ND	39.4		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFHpA	375-85-9	ND	1.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFPeS	2706-91-4	ND	1.48		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
ADONA	919005-14-4	ND	6.23		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
6:2 FTS	27619-97-2	ND	5.98		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFOA	335-67-1	ND	1.97		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFHxS	355-46-4	ND	1.44		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
7:3 FTCA	812-70-4	ND	39.4		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFNA	375-95-1	ND	1.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFHpS	375-92-8	ND	1.50		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
8:2 FTS	39108-34-4	ND	6.05		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFDA	335-76-2	ND	1.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
MeFOSAA	2355-31-9	ND	1.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFOS	1763-23-1	ND	1.47		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
EtFOSAA	2991-50-6	ND	1.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFUnA	2058-94-8	ND	1.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
9Cl-PF3ONS	756426-58-1	ND	6.15		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFNS	68259-12-1	ND	1.52		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFDoA	307-55-1	ND	1.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFDS	335-77-3	ND	1.52		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFOSA	754-91-6	ND	1.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFTTrDA	72629-94-8	ND	1.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
11Cl-PF3OUdS	763051-92-9	ND	5.91		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFTeDA	376-06-7	ND	1.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
PFDoS	79780-39-5	ND	1.53		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
MeFOSE	24448-09-7	ND	15.8		B25E056	12-May-25	0.507 L	15-May-25 14:40	1

Sample ID: EB-Tubing-042925					EPA Method 1633				
Client Data				Laboratory Data					
Name: Apex Companies, LLC		Matrix: Water		Lab Sample: 2505033-11		Column: BEH C18			
Project: 24009923 Task 3		Date Collected: 29-Apr-25 13:32		Date Received: 02-May-25 09:40					
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	1.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
EtFOSE	1691-99-2	ND	15.8		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
EtFOSA	4151-50-2	ND	1.58		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	90.9	10 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C5-PFPeA	IS	85.2	40 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C2-4:2 FTS	IS	91.7	40 - 200		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C3-PFBS	IS	93.7	40 - 135		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C5-PFHxA	IS	91.4	40 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C3-HFPO-DA	IS	85.5	40 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C4-PFHpA	IS	79.7	40 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C2-6:2 FTS	IS	94.6	40 - 200		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C8-PFOA	IS	88.7	40 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C3-PFHxS	IS	93.0	40 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C9-PFNA	IS	93.3	40 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C2-8:2 FTS	IS	100	40 - 300		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C6-PFDA	IS	105	40 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
d3-MeFOSAA	IS	86.2	40 - 170		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C8-PFOS	IS	92.7	40 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
d5-EtFOSAA	IS	76.9	25 - 135		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C7-PFUnA	IS	105	30 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C2-PFDoA	IS	84.1	10 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C8-PFOSA	IS	60.3	40 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
13C2-PFTeDA	IS	81.9	10 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
d7-MeFOSE	IS	50.7	10 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
d3-MeFOSA	IS	35.0	10 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
d9-EtFOSE	IS	49.9	10 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1
d5-EtFOSA	IS	34.7	10 - 130		B25E056	12-May-25	0.507 L	15-May-25 14:40	1

RL - Reporting limit

Results reported to RL.

Sample ID: EB-BladderPump-042925					EPA Method 1633				
Client Data				Laboratory Data					
Name:	Apex Companies, LLC	Matrix:	Water	Lab Sample:	2505033-12	Column:	BEH C18		
Project:	24009923 Task 3	Date Collected:	29-Apr-25 13:42	Date Received:	02-May-25 09:40				
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.39		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFMPA	377-73-1	ND	3.20		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
3:3 FTCA	356-02-5	ND	7.99		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFPeA	2706-90-3	ND	3.20		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFMBA	863090-89-5	ND	3.20		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
4:2 FTS	757124-72-4	ND	5.99		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
NFDHA	151772-58-6	ND	3.20		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFBS	375-73-5	ND	1.42		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFHxA	307-24-4	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
HFPO-DA	13252-13-6	ND	6.67		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFEESA	113507-82-7	ND	2.85		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
5:3 FTCA	914637-49-3	ND	39.9		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFHpA	375-85-9	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFPeS	2706-91-4	ND	1.50		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
ADONA	919005-14-4	ND	6.31		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
6:2 FTS	27619-97-2	ND	6.06		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFOA	335-67-1	ND	2.00		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFHxS	355-46-4	ND	1.46		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
7:3 FTCA	812-70-4	ND	39.9		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFNA	375-95-1	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFHpS	375-92-8	ND	1.52		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
8:2 FTS	39108-34-4	ND	6.13		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFDA	335-76-2	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
MeFOSAA	2355-31-9	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFOS	1763-23-1	ND	1.49		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
EtFOSAA	2991-50-6	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFUnA	2058-94-8	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
9Cl-PF3ONS	756426-58-1	ND	6.23		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFNS	68259-12-1	ND	1.54		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFDaA	307-55-1	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFDS	335-77-3	ND	1.54		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFOSA	754-91-6	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFTTrDA	72629-94-8	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
11Cl-PF3OUdS	763051-92-9	ND	5.99		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFTeDA	376-06-7	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
PFDoS	79780-39-5	ND	1.55		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
MeFOSE	24448-09-7	ND	16.0		B25E056	12-May-25	0.501 L	15-May-25 14:54	1

Sample ID: EB-BladderPump-042925					EPA Method 1633				
Client Data				Laboratory Data					
Name: Apex Companies, LLC		Matrix: Water		Lab Sample: 2505033-12		Column: BEH C18			
Project: 24009923 Task 3		Date Collected: 29-Apr-25 13:42		Date Received: 02-May-25 09:40					
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
EtFOSE	1691-99-2	ND	16.0		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
EtFOSA	4151-50-2	ND	1.60		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	91.5	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C5-PFPeA	IS	88.7	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C2-4:2 FTS	IS	105	40 - 200		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C3-PFBS	IS	103	40 - 135		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C5-PFHxA	IS	93.2	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C3-HFPO-DA	IS	87.2	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C4-PFHpA	IS	89.3	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C2-6:2 FTS	IS	104	40 - 200		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C8-PFOA	IS	90.2	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C3-PFHxS	IS	95.8	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C9-PFNA	IS	107	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C2-8:2 FTS	IS	108	40 - 300		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C6-PFDA	IS	88.8	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
d3-MeFOSAA	IS	77.3	40 - 170		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C8-PFOS	IS	94.9	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
d5-EtFOSAA	IS	77.8	25 - 135		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C7-PFUnA	IS	87.0	30 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C2-PFDoA	IS	91.5	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C8-PFOSA	IS	64.6	40 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
13C2-PFTeDA	IS	69.2	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
d7-MeFOSE	IS	56.7	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
d3-MeFOSA	IS	42.2	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
d9-EtFOSE	IS	60.6	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1
d5-EtFOSA	IS	43.3	10 - 130		B25E056	12-May-25	0.501 L	15-May-25 14:54	1

RL - Reporting limit

Results reported to RL.

Sample ID: DUP-042825
EPA Method 1633

Client Data				Laboratory Data			
Name:	Apex Companies, LLC	Matrix:	Water	Lab Sample:	2505033-13	Column:	BEH C18
Project:	24009923 Task 3	Date Collected:	28-Apr-25 07:30	Date Received:	02-May-25 09:40		

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	184	6.40		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFMPA	377-73-1	ND	3.20		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
3:3 FTCA	356-02-5	23.6	8.00		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFPeA	2706-90-3	681	3.20		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFMBA	863090-89-5	ND	3.20		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
4:2 FTS	757124-72-4	10.9	6.00		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
NFDHA	151772-58-6	ND	3.20		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFBS	375-73-5	46.6	1.42		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFHxA	307-24-4	678	1.60		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
HFPO-DA	13252-13-6	ND	6.68		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFEESA	113507-82-7	ND	2.85		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
5:3 FTCA	914637-49-3	901	40.0		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFHpA	375-85-9	332	1.60		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFPeS	2706-91-4	37.5	1.50		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
ADONA	919005-14-4	ND	6.32		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
6:2 FTS	27619-97-2	888	6.07	E	B25E056	12-May-25	0.500 L	15-May-25 15:07	1
6:2 FTS	27619-97-2	1000	60.7	D	B25E056	12-May-25	0.500 L	17-May-25 09:35	10
PFOA	335-67-1	4230	2.00	E	B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFOA	335-67-1	4490	20.0	D	B25E056	12-May-25	0.500 L	17-May-25 09:35	10
PFHxS	355-46-4	557	1.46		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
7:3 FTCA	812-70-4	ND	40.0		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFNA	375-95-1	19.9	1.60		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFHpS	375-92-8	6.30	1.52		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
8:2 FTS	39108-34-4	174	6.14		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFDA	335-76-2	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
MeFOSAA	2355-31-9	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFOS	1763-23-1	126	1.49		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
EtFOSAA	2991-50-6	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFUnA	2058-94-8	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
9Cl-PF3ONS	756426-58-1	ND	6.24		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFNS	68259-12-1	ND	1.54		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFDoA	307-55-1	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFDS	335-77-3	ND	1.54		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFOSA	754-91-6	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFTTrDA	72629-94-8	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
11Cl-PF3OUdS	763051-92-9	ND	6.00		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
PFTeDA	376-06-7	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 15:07	1

Sample ID: DUP-042825					EPA Method 1633				
Client Data				Laboratory Data					
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2505033-13		Column:	BEH C18
Project:	24009923 Task 3		Date Collected:	28-Apr-25 07:30	Date Received:	02-May-25 09:40			
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFDoS	79780-39-5	ND	1.55		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
MeFOSE	24448-09-7	ND	16.0		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
MeFOSA	31506-32-8	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
EtFOSE	1691-99-2	ND	16.0		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
EtFOSA	4151-50-2	ND	1.60		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	86.9	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C5-PFPeA	IS	87.4	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C2-4:2 FTS	IS	155	40 - 200		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C3-PFBS	IS	106	40 - 135		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C5-PFHxA	IS	94.8	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C3-HFPO-DA	IS	97.5	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C4-PFHpA	IS	96.9	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C2-6:2 FTS	IS	116	40 - 200		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C2-6:2 FTS	IS	106	40 - 200	D	B25E056	12-May-25	0.500 L	17-May-25 09:35	10
13C8-PFOA	IS	96.6	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C8-PFOA	IS	100	40 - 130	D	B25E056	12-May-25	0.500 L	17-May-25 09:35	10
13C3-PFHxS	IS	97.4	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C9-PFNA	IS	88.8	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C2-8:2 FTS	IS	116	40 - 300		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C6-PFDA	IS	94.9	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
d3-MeFOSAA	IS	75.4	40 - 170		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C8-PFOS	IS	94.3	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
d5-EtFOSAA	IS	75.1	25 - 135		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C7-PFUnA	IS	88.7	30 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C2-PFDoA	IS	62.7	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C8-PFOSA	IS	67.1	40 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
13C2-PFTeDA	IS	42.9	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
d7-MeFOSE	IS	45.0	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
d3-MeFOSA	IS	41.7	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
d9-EtFOSE	IS	38.9	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1
d5-EtFOSA	IS	40.8	10 - 130		B25E056	12-May-25	0.500 L	15-May-25 15:07	1

RL - Reporting limit

Results reported to RL.

Sample ID: Tote Water - 043025

EPA Method 1633

Client Data				Laboratory Data			
Name:	Apex Companies, LLC	Matrix:	Water	Lab Sample:	2505033-14	Column:	BEH C18
Project:	24009923 Task 3	Date Collected:	30-Apr-25 19:30	Date Received:	02-May-25 09:40		

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.52		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFMPA	377-73-1	ND	3.26		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
3:3 FTCA	356-02-5	ND	8.15		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFPeA	2706-90-3	4.82	3.26		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFMBA	863090-89-5	ND	3.26		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
4:2 FTS	757124-72-4	ND	6.11		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
NFDHA	151772-58-6	ND	3.26		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFBS	375-73-5	5.66	1.45		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFHxA	307-24-4	5.57	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
HFPO-DA	13252-13-6	ND	6.81		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFEESA	113507-82-7	ND	2.90		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
5:3 FTCA	914637-49-3	ND	40.7		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFHpA	375-85-9	2.37	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFPeS	2706-91-4	ND	1.53		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
ADONA	919005-14-4	ND	6.44		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
6:2 FTS	27619-97-2	ND	6.18		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFOA	335-67-1	6.36	2.04		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFHxS	355-46-4	3.18	1.49		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
7:3 FTCA	812-70-4	ND	40.7		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFNA	375-95-1	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFHpS	375-92-8	ND	1.55		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
8:2 FTS	39108-34-4	ND	6.25		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFDA	335-76-2	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
MeFOSAA	2355-31-9	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFOS	1763-23-1	10.6	1.52		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
EtFOSAA	2991-50-6	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFUnA	2058-94-8	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
9Cl-PF3ONS	756426-58-1	ND	6.36		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFNS	68259-12-1	ND	1.57		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFDoA	307-55-1	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFDS	335-77-3	ND	1.57		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFOSA	754-91-6	2.87	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFTTrDA	72629-94-8	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
11Cl-PF3OUdS	763051-92-9	ND	6.11		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFTeDA	376-06-7	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
PFDoS	79780-39-5	ND	1.58		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
MeFOSE	24448-09-7	ND	16.3		B25E056	12-May-25	0.491 L	17-May-25 09:49	1

Sample ID: Tote Water - 043025					EPA Method 1633				
Client Data				Laboratory Data					
Name: Apex Companies, LLC		Matrix: Water		Lab Sample: 2505033-14		Column: BEH C18			
Project: 24009923 Task 3		Date Collected: 30-Apr-25 19:30		Date Received: 02-May-25 09:40					
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
EtFOSE	1691-99-2	ND	16.3		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
EtFOSA	4151-50-2	ND	1.63		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	89.9	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C5-PFPeA	IS	96.5	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C2-4:2 FTS	IS	106	40 - 200		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C3-PFBS	IS	93.1	40 - 135		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C5-PFHxA	IS	93.5	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C3-HFPO-DA	IS	89.4	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C4-PFHpA	IS	89.7	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C2-6:2 FTS	IS	94.8	40 - 200		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C8-PFOA	IS	91.5	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C3-PFHxS	IS	91.0	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C9-PFNA	IS	82.0	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C2-8:2 FTS	IS	99.7	40 - 300		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C6-PFDA	IS	91.0	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
d3-MeFOSAA	IS	86.2	40 - 170		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C8-PFOS	IS	89.5	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
d5-EtFOSAA	IS	85.7	25 - 135		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C7-PFUnA	IS	87.3	30 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C2-PFDoA	IS	80.8	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C8-PFOSA	IS	76.8	40 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
13C2-PFTeDA	IS	78.8	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
d7-MeFOSE	IS	71.2	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
d3-MeFOSA	IS	49.5	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
d9-EtFOSE	IS	67.8	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1
d5-EtFOSA	IS	44.2	10 - 130		B25E056	12-May-25	0.491 L	17-May-25 09:49	1

RL - Reporting limit

Results reported to RL.

DATA QUALIFIERS & ABBREVIATIONS

For EPA 1633

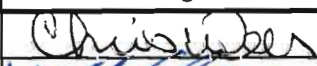
B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
I	Ion transition ratio is outside of the acceptance criteria.
IS	Internal Standard
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 ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

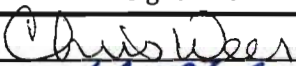
Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

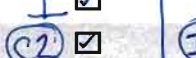
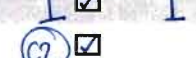
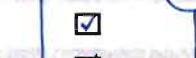
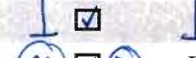
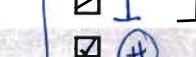
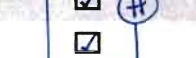
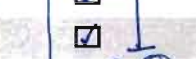
Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of 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.

 ENTHALPY ANALYTICAL		Chain of Custody Record				Turn Around Time (rush by advanced notice only)											
		Lab No: <u>2505033 1.4°, 2.7°C</u> Page: <u>1</u> of <u>4</u>				Standard: <u>X</u> 2 Day:		5 Day: 1 Day:		3 Day: Custom TAT:							
#N/A #N/A		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water P = Product O = Oil SD = Sediment T = Tissue WP = Wipe WW = Wastewater X = Other				Sample Type: C = Composite G = Grab or Discrete B = Blank O = Other		Preservatives: 0 = none 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other				Sample Receipt Temp and Notes: (lab use only)					
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments					
Company:		Apex Companies, LLC		Name:		Former Fire Stations Characterization											
Report To:		Herb Clough		Number:		24009923 Task 3											
Email:		Herb.Clough@apexcos.com		P.O. #:													
Address:		15618 SW 72nd Ave		Address:													
		Tigard, OR 97224															
Phone:		503-332-5196		Global ID:													
Fax:				Sampled By:		Chris Weer/Riley Paul											
Sample ID		Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	PFAS Method 1633							
1	MW-1-042825	4/28/2025	15:10	W	G	0	3	Various	CW/SK								
2	MW-6-042825	4/28/2025	8:10	W	G	0	3	Various	CW/SK								
3	MW-8-042825	4/28/2025	11:00	W	G	0	3	Various	CW/SK								
4	MW-11-L58499-042825	4/28/2025	14:10	W	G	0	3	Various	CW/SK								
5	MW-12-L58397-042825	4/28/2025	10:03	W	G	0	3	Various	CW/SK								
6	TCORE-3-042825	4/28/2025	13:30	W	G	0	3	Various	CW/SK								
7	MW-14-042825	4/28/2025	9:15	W	G	0	3	Various	CW/SK								
8	MW-101-052925	4/29/2025	12:15	W	G	0	3	Various	CW/SK								
9	MW-102-042925	4/29/2025	11:05	W	G	0	3	Various	CW/SK								
10	DW-102-042926	4/29/2025	10:15	W	B	0	3	Various	CW/SK								
		Signature		Print Name		Company / Title				Date / Time							
1 Relinquished By:				Chris Weer		Apex Companies, LLC/Scientist 3				5-1-2025/12:00							
1 Received By:				Xitahy Olivos		EPH Enthalpy				05/02/25 09:40							
2 Relinquished By:																	
2 Received By:																	
3 Relinquished By:																	
3 Received By:																	

 ENTHALPY ANALYTICAL		Chain of Custody Record				Turn Around Time (rush by advanced notice only)										
		Lab No: <u>2505033</u>		Page: <u>3</u> of <u>4</u>		Standard: <u>X</u>		5 Day:		3 Day:						
		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water P = Product O = Oil SD = Sediment T = Tissue WP = Wipe WW = Wastewater X = Other		Sample Type: C = Composite G = Grab or Discrete B = Blank O = Other		Preservatives: 0 = none 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other		Sample Receipt Temp and Notes: (lab use only)								
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments				
Company: Apex Companies, LLC		Name: Former Fire Stations Characterization		24009923 Task 3 Chris Weer/Siereadan Kindrick/Riley Paul		PFAS method 1633										
Report To: Herb Clough		Number:														
Email: Herb.Clough@apexcoss.com		P.O. #:														
Address: 15618 SW 72nd Ave		Address:														
Tigard, OR 97224																
Phone: 503-332-5196		Global ID:														
Fax:		Sampled By:														
Sample ID		Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials							
1	EB-Tubing-042925	4/29/2025	13:32	W	B	0	3	Various	CW/SK	X						
2	EB-Bladder Pump-042924	4/29/2025	13:42	W	G	0	1	Various	SK/RP	X						
3	DUP-042825	4/28/2025	7:30	W	B	0	3	Various	CW/SK	X						
4	Tote Water - 043025	4/30/2025	19:30	W	G	0	1	Various	SK/RP	X						
5	DW-102 (0-6)	4/30/2025	19:20	S	G	0	1	6 oz	SK/RP	X						
6	DW-102 (6-10)	4/30/2025	20:00	S	G	0	1	6 oz	SK/RP	X						
7	DW-102 (10-15)	4/30/2025	20:14	S	C	0	1	6 oz	SK/RP	X						
8	DW-102-9.5	4/30/2025	20:00	S	C	0	1	6 oz	SK/RP	X						
9																
10																
		Signature		Print Name		Company / Title		Date / Time								
1 Relinquished By:				Chris Weer		Apex Companies, LLC/Scientist 3		5-1-2025/12:00								
1 Received By:				Kathy Adams		ENTHALPY		05/04/25 09:40								
2 Relinquished By:																
2 Received By:																
3 Relinquished By:																
3 Received By:																

CoC/Label Reconciliation Report WO# 2505033

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2505033-01	A MW-1-042825		28-Apr-25 15:10	HDPE Bottle, 500 mL	Aqueous	
2505033-01	B MW-1-042825		28-Apr-25 15:10	HDPE Bottle, 500 mL	Aqueous	
2505033-01	C MW-1-042825		28-Apr-25 15:10	HDPE Bottle, 125 mL	Aqueous	
2505033-02	A MW-6-042825		28-Apr-25 08:10	HDPE Bottle, 500 mL	Aqueous	
2505033-02	B MW-6-042825		28-Apr-25 08:10	HDPE Bottle, 500 mL	Aqueous	
2505033-02	C MW-6-042825		28-Apr-25 08:10	HDPE Bottle, 125 mL	Aqueous	
2505033-03	A MW-8-042825		28-Apr-25 11:00	HDPE Bottle, 500 mL	Aqueous	
2505033-03	B MW-8-042825		28-Apr-25 11:00	HDPE Bottle, 500 mL	Aqueous	
2505033-03	C MW-8-042825		28-Apr-25 11:00	HDPE Bottle, 125 mL	Aqueous	
2505033-04	A MW-11-L58499-042825		28-Apr-25 14:10	HDPE Bottle, 500 mL	Aqueous	
2505033-04	B MW-11-L58499-042825		28-Apr-25 14:10	HDPE Bottle, 500 mL	Aqueous	
2505033-04	C MW-11-L58499-042825		28-Apr-25 14:10	HDPE Bottle, 125 mL	Aqueous	
2505033-05	A MW-12-L58397-042825		28-Apr-25 10:03	HDPE Bottle, 500 mL	Aqueous	
2505033-05	B MW-12-L58397-042825		28-Apr-25 10:03	HDPE Bottle, 500 mL	Aqueous	
2505033-05	C MW-12-L58397-042825		28-Apr-25 10:03	HDPE Bottle, 125 mL	Aqueous	
2505033-06	A TCORE-3-042825		28-Apr-25 13:30	HDPE Bottle, 500 mL	Aqueous	
2505033-06	B TCORE-3-042825		28-Apr-25 13:30	HDPE Bottle, 500 mL	Aqueous	
2505033-06	C TCORE-3-042825		28-Apr-25 13:30	HDPE Bottle, 125 mL	Aqueous	
2505033-07	A MW-14-042825		28-Apr-25 09:15	HDPE Bottle, 500 mL	Aqueous	
2505033-07	B MW-14-042825		28-Apr-25 09:15	HDPE Bottle, 500 mL	Aqueous	
2505033-07	C MW-14-042825		28-Apr-25 09:15	HDPE Bottle, 125 mL	Aqueous	
2505033-08	A MW-101-052925		29-Apr-25 12:15	HDPE Bottle, 500 mL	Aqueous	
2505033-08	B MW-101-052925		29-Apr-25 12:15	HDPE Bottle, 500 mL	Aqueous	
2505033-08	C MW-101-052925		29-Apr-25 12:15	HDPE Bottle, 125 mL	Aqueous	
2505033-09	A MW-102-042925		29-Apr-25 11:05	HDPE Bottle, 500 mL	Aqueous	
2505033-09	B MW-102-042925		29-Apr-25 11:05	HDPE Bottle, 500 mL	Aqueous	
2505033-09	C MW-102-042925		29-Apr-25 11:05	HDPE Bottle, 125 mL	Aqueous	
2505033-10	A DW-102-042926		29-Apr-25 10:15	HDPE Bottle, 500 mL	Aqueous	

2505033-10	B DW-102-042926	☒ (C) ☒ (E) ☒ (G) M)	29-Apr-25 10:15	☒	HDPE Bottle, 500 mL	Aqueous
2505033-10	C DW-102-042926	☒ ☒ ☒	29-Apr-25 10:15	☒	HDPE Bottle, 125 mL	Aqueous
2505033-11	A EB-Tubing-042925	☒ (C) ☒	29-Apr-25 13:32	☒	HDPE Bottle, 500 mL	Aqueous
2505033-11	B EB-Tubing-042925	☒	29-Apr-25 13:32	☒	HDPE Bottle, 500 mL	Aqueous
2505033-11	C EB-Tubing-042925	☒ (F) JT 05/04/25	29-Apr-25 13:32	☒	HDPE Bottle, 125 mL	Aqueous
2505033-12	A EB-Bladder Pump-042924	☒ (J) N)	29-Apr-25 13:42	☒	HDPE Bottle, 500 mL	Aqueous
2505033-12	B EB-Bladder Pump-042924	☒ JT 05/04/25	29-Apr-25 13:42	☒	HDPE Bottle, 500 mL	Aqueous
2505033-12	C EB-Bladder Pump-042924	☒ (F)	29-Apr-25 13:42	☒	HDPE Bottle, 125 mL	Aqueous
2505033-13	A DUP-042825	☒ (C) ☒ (G)	28-Apr-25 07:30	☒	HDPE Bottle, 500 mL	Aqueous
2505033-13	B DUP-042825	☒	28-Apr-25 07:30	☒	HDPE Bottle, 500 mL	Aqueous
2505033-13	C DUP-042825	☒	28-Apr-25 07:30	☒	HDPE Bottle, 125 mL	Aqueous
2505033-14	A Tote Water - 043025	☒ (C2)	30-Apr-25 19:30	☒	HDPE Bottle, 500 mL	Aqueous
2505033-14	B Tote Water - 043025	☒	30-Apr-25 19:30	☒	HDPE Bottle, 500 mL	Aqueous
2505033-14	C Tote Water - 043025	☒	30-Apr-25 19:30	☒	HDPE Bottle, 125 mL	Aqueous
2505033-15	A DW-102 (0-6)	☒ (B) O)	30-Apr-25 19:20	☒	HDPE Jar, 6 oz	Solid
2505033-16	A DW-102 (6-10)	☒	30-Apr-25 20:00	☒	HDPE Jar, 6 oz	Solid
2505033-17	A DW-102 (10-15)	☒	30-Apr-25 20:14	☒	HDPE Jar, 6 oz	Solid
2505033-18	A DW-102-9.5	☒	30-Apr-25 20:00	☒	HDPE Jar, 6 oz	Solid

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

CONDITION	Yes	No	NA
Sample Container Intact?	☒	☐	☐
Sample Container(s) Custody Seals Intact?	☐	☐	☒
Custody Seals On Cooler Intact?	☐	☐	☒
Adequate Sample Volume?	☒	☐	☐
Container Type Appropriate for Analysis(es)?	☒	☐	☐

Comments:

- A) Sample label time ~~1440~~ 1140.
 B) Underlined part is a "1" on sample label.
 C) Sample label ID: MW-11-L58501-042825
 D) Sample label ID: MW-101-042925
 E) Sample label ID: DW-102-042925
 F) Sample label ID: EB Bladder Pump 042529
 G) ~5% particulate present
 H) Particulate present.
 I) Light orange tint present.
 J) Sample label ID: EB Bladder Pump 042925

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None Other

Verified by/Date: JT 05/02/25
WDS 05/02/25
 K) Time revised to 1140 per client request (JT 05/05/25)
 Following sample ID revised per client request:

- L) MW-101-042925 (JT 05/05/25)
 M) DW-102-042925 (JT 05/05/25)
 N) EB-Bladder Pump-042925 (JT 05/05/25) 2505033
 O) Underlined part has been revised to a "1" (JT 05/05/25)

Printed: 5/2/2025 2:16:34PM

Work Order 2505033

C1: Cooler 1
 C2: cooler 2



July 24, 2025

**Enthalpy Analytical - El Dorado Hills
Work Order No. 2507030**

Mr. Nick Thornton
Apex Companies, LLC
15618 S.W. 72nd Avenue
Tigard, OR 97224

Dear Mr. Thornton,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on July 02, 2025 under your Project Name 'Former Fire Stations Characterization 24009923, Task 3'.

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 kathy.zipp@enthalpy.com.

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

Sincerely,

A handwritten signature in blue ink that reads 'Kathy Zipp'.

Kathy Zipp
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. 2507030

Case Narrative

Sample Condition on Receipt:

Three soil samples and three water 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. Samples "DW-101 (0-6)", "DW-101 (6-10)" and "DW-101 (10-15)" have been placed on hold pending further notification from client.

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.

Sample "DW-101-063025" contained particulate and were centrifuged prior to extraction.

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, Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) and Low-Level Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the Reporting Limit concentration. The LCSD and OPR recoveries for 5:3 FTCA were outside the method acceptance criteria and are flagged with a "Q" qualifier. All other LCSD and OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are flagged with a "Q" qualifier. The responses of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2507030-01	DW-101 (0-6)	24-Jun-25 08:15	02-Jul-25 10:05	HDPE Jar, 6 oz
2507030-02	DW-101 (6-10)	24-Jun-25 08:30	02-Jul-25 10:05	HDPE Jar, 6 oz
2507030-03	DW-101 (10-15)	24-Jun-25 08:45	02-Jul-25 10:05	HDPE Jar, 6 oz
2507030-04	Equip-blank	24-Jun-25 13:15	02-Jul-25 10:05	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2507030-05	Tote-2	24-Jun-25 11:00	02-Jul-25 10:05	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2507030-06	DW-101-063025	30-Jun-25 15:00	02-Jul-25 10:05	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:	Apex Companies, LLC		Matrix:	Aqueous		Lab Sample:	B25G030-BLK1		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923,Task										
Analyte	Conc. (ng/L)		RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
PFBA	375-22-4	ND	6.40		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFMPA	377-73-1	ND	3.20		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
3:3 FTCA	356-02-5	ND	8.00		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFPeA	2706-90-3	ND	3.20		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFMBA	863090-89-5	ND	3.20		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
4:2 FTS	757124-72-4	ND	6.00		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
NFDHA	151772-58-6	ND	3.20		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFBS	375-73-5	ND	1.42		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFHxA	307-24-4	ND	1.60		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
HFPO-DA	13252-13-6	ND	6.68		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFEESA	113507-82-7	ND	2.85		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
5:3 FTCA	914637-49-3	ND	40.0		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFHpA	375-85-9	ND	1.60		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFPeS	2706-91-4	ND	1.50		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
ADONA	919005-14-4	ND	6.32		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
6:2 FTS	27619-97-2	ND	6.07		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFOA	335-67-1	ND	2.00		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFHxS	355-46-4	ND	1.46		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
7:3 FTCA	812-70-4	ND	40.0		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFNA	375-95-1	ND	1.60		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFHpS	375-92-8	ND	1.52		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
8:2 FTS	39108-34-4	ND	6.14		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFDA	335-76-2	ND	1.60		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
MeFOSAA	2355-31-9	ND	1.60		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFOS	1763-23-1	ND	1.49		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
EtFOSAA	2991-50-6	ND	1.60		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFUnA	2058-94-8	ND	1.60		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
9Cl-PF3ONS	756426-58-1	ND	6.24		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFNS	68259-12-1	ND	1.54		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFDoA	307-55-1	ND	1.60		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFDS	335-77-3	ND	1.54		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFOSA	754-91-6	ND	1.60		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFTTrDA	72629-94-8	ND	1.60		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
11Cl-PF3OUdS	763051-92-9	ND	6.00		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFTeDA	376-06-7	ND	1.60		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
PFDoS	79780-39-5	ND	1.55		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
MeFOSE	24448-09-7	ND	16.0		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
MeFOSA	31506-32-8	ND	1.60		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		

Sample ID: Method Blank					EPA Method 1633						
Client Data				Laboratory Data							
Name:	Apex Companies, LLC		Matrix:	Aqueous		Lab Sample:	B25G030-BLK1		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923,Task										
Analyte	Conc. (ng/L)			RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
EtFOSE	1691-99-2	ND		16.0		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1	
EtFOSA	4151-50-2	ND		1.60		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C4-PFBA	IS	89	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C5-PFPeA	IS	94	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C2-4:2 FTS	IS	86	40 - 200		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C3-PFBS	IS	97	40 - 135		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C5-PFHxA	IS	92	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C3-HFPO-DA	IS	91	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C4-PFHpA	IS	90	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C2-6:2 FTS	IS	85	40 - 200		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C8-PFOA	IS	90	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C3-PFHxS	IS	85	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C9-PFNA	IS	78	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C2-8:2 FTS	IS	87	40 - 300		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C6-PFDA	IS	84	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
d3-MeFOSAA	IS	80	40 - 170		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C8-PFOS	IS	96	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
d5-EtFOSAA	IS	74	25 - 135		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C7-PFUnA	IS	78	30 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C2-PFDoA	IS	65	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C8-PFOSA	IS	60	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
13C2-PFTeDA	IS	73	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
d7-MeFOSE	IS	39	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
d3-MeFOSA	IS	32	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
d9-EtFOSE	IS	38	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		
d5-EtFOSA	IS	32	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:03	1		

RL - Reporting limit

Results reported to RL.

Sample ID: LCSD
EPA Method 1633

Name:	Apex Companies, LLC	Lab Sample:	B25G030-BS1/B25G030-BSD1	Date Extracted:	08-Jul-25
Project:	Former Fire Stations Characterization 24009923,T	QC Batch:	B25G030	Column:	BEH C18
Matrix:	Aqueous	Samp Size:	0.500/0.500 L		

Analyte	CAS Number	LCS (ng/L)	LCS Spike	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
PFBA	375-22-4	18.4	20.0	92		18.1	20.0	90	1.90		70-140	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFMPA	377-73-1	8.48	10.0	85		7.83	10.0	78	7.94		55-140	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
3:3 FTCA	356-02-5	20.5	25.0	82		18.6	25.0	74	9.44		65-130	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFPeA	2706-90-3	9.49	10.0	95		8.83	10.0	88	7.26		65-135	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFMBA	863090-89-5	8.68	10.0	87		7.91	10.0	79	9.24		60-150	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
4:2 FTS	757124-72-4	19.8	18.8	105		17.6	18.8	94	11.6		70-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
NFDHA	151772-58-6	8.71	10.0	87		7.99	10.0	80	8.66		50-150	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFBS	375-73-5	3.72	4.44	84		3.56	4.44	80	4.45		60-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFHxA	307-24-4	4.31	5.00	86		4.22	5.00	85	1.97		70-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
HFPO-DA	13252-13-6	19.2	21.2	91		19.0	21.2	90	1.55		70-140	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFEESA	113507-82-7	7.78	8.88	88		7.51	8.88	85	3.56		70-140	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
5:3 FTCA	914637-49-3	91.3	125	73		86.9	125	70	4.96	Q	70-135	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFHpA	375-85-9	4.77	5.00	96		4.49	5.00	90	6.11		70-150	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFPeS	2706-91-4	4.49	4.72	95		4.43	4.72	94	1.54		65-140	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
ADONA	919005-14-4	18.2	20.0	91		17.2	20.0	86	5.63		65-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
6:2 FTS	27619-97-2	18.6	19.0	98		17.1	19.0	90	8.50		65-155	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFOA	335-67-1	5.25	5.00	105		5.03	5.00	101	4.25		70-150	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFHxS	355-46-4	4.41	4.56	97		4.11	4.56	90	7.23		65-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
7:3 FTCA	812-70-4	76.9	125	62		76.7	125	62	0.299		50-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFNA	375-95-1	5.21	5.00	104		5.08	5.00	102	2.42		70-150	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFHpS	375-92-8	4.54	4.76	95		4.17	4.76	88	8.48		70-150	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
8:2 FTS	39108-34-4	17.7	19.2	92		18.9	19.2	99	6.40		60-150	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFDA	335-76-2	4.56	5.00	91		4.40	5.00	88	3.50		70-140	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
MeFOSAA	2355-31-9	5.09	5.00	102		4.79	5.00	96	5.98		50-140	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFOS	1763-23-1	4.06	4.64	88		4.02	4.64	87	0.957		55-150	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
EtFOSAA	2991-50-6	4.61	5.00	92		4.29	5.00	86	7.07		70-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFUnA	2058-94-8	4.77	5.00	95		4.69	5.00	94	1.54		70-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
9Cl-PF3ONS	756426-58-1	19.0	19.8	96		16.6	19.8	84	13.6		70-155	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFNS	68259-12-1	4.19	4.80	87		4.08	4.80	85	2.81		65-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFDoA	307-55-1	4.64	5.00	93		4.98	5.00	100	7.09		70-140	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFDS	335-77-3	3.95	4.84	82		3.99	4.84	83	1.15		60-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFOSA	754-91-6	4.67	5.00	93		4.44	5.00	89	5.00		70-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFTTrDA	72629-94-8	4.71	5.00	94		4.31	5.00	86	8.90		65-140	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1

Sample ID: LCSD
EPA Method 1633

Name:	Apex Companies, LLC	Lab Sample:	B25G030-BS1/B25G030-BSD1	Date Extracted:	08-Jul-25
Project:	Former Fire Stations Characterization 24009923,T	QC Batch:	B25G030	Column:	BEH C18
Matrix:	Aqueous	Samp Size:	0.500/0.500 L		

Analyte	CAS Number	LCS (ng/L)	LCS Spike	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
11Cl-PF3OUdS	763051-92-9	17.4	20.0	87		14.7	20.0	74	16.6		55-160	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFTeDA	376-06-7	4.45	5.00	89		4.65	5.00	93	4.32		60-140	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
PFDoS	79780-39-5	4.15	4.84	86		3.23	4.84	67	24.9		50-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
MeFOSE	24448-09-7	48.2	50.0	96		44.8	50.0	90	7.31		70-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
MeFOSA	31506-32-8	4.74	5.00	95		5.04	5.00	101	6.19		60-150	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
EtFOSE	1691-99-2	45.7	50.0	91		42.6	50.0	85	7.16		70-135	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1
EtFOSA	4151-50-2	4.63	5.00	93		4.23	5.00	85	9.03		65-145	30	10-Jul-25 16:16	1	10-Jul-25 16:44	1

Labeled Standards	Type	LCS % Rec	LCS Quals	LCSD % Rec	LCSD Quals	Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
13C4-PFBA	IS	89		88		10 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C5-PFPeA	IS	93		93		40 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C2-4:2 FTS	IS	81		84		40 - 200	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C3-PFBS	IS	92		97		40 - 135	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C5-PFHxA	IS	96		93		40 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C3-HFPO-DA	IS	88		87		40 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C4-PFHpA	IS	88		87		40 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C2-6:2 FTS	IS	83		89		40 - 200	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C8-PFOA	IS	93		91		40 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C3-PFHxS	IS	82		86		40 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C9-PFNA	IS	77		80		40 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C2-8:2 FTS	IS	81		77		40 - 300	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C6-PFDA	IS	87		89		40 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
d3-MeFOSAA	IS	75		76		40 - 170	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C8-PFOS	IS	88		89		40 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
d5-EtFOSAA	IS	73		74		25 - 135	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C7-PFUnA	IS	78		78		30 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C2-PFDoA	IS	64		62		10 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C8-PFOSA	IS	60		64		40 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
13C2-PFTeDA	IS	76		64		10 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
d7-MeFOSE	IS	37		42		10 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
d3-MeFOSA	IS	30		33		10 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
d9-EtFOSE	IS	37		42		10 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1
d5-EtFOSA	IS	31		36		10 - 130	10-Jul-25 16:16	1	10-Jul-25 16:44	1

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:	Apex Companies, LLC	Matrix:	Aqueous			Lab Sample:	B25G030-BS2	Column:	BEH C18		
Project:	Former Fire Stations Characterization 24009923,Ta										
Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	12.5	12.8	98	70 - 140		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFMPA	377-73-1	5.68	6.40	89	55 - 140		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
3:3 FTCA	356-02-5	12.9	16.0	80	65 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFPeA	2706-90-3	6.21	6.40	97	65 - 135		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFMBA	863090-89-5	5.76	6.40	90	60 - 150		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
4:2 FTS	757124-72-4	12.4	12.0	104	70 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
NFDHA	151772-58-6	5.98	6.40	93	50 - 150		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFBS	375-73-5	2.58	2.84	91	60 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFHxA	307-24-4	2.89	3.20	90	70 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
HFPO-DA	13252-13-6	12.1	12.8	95	70 - 140		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFEESA	113507-82-7	5.42	5.68	96	70 - 140		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
5:3 FTCA	914637-49-3	54.9	80.0	69	70 - 135	Q	B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFHpA	375-85-9	3.44	3.20	107	70 - 150		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFPeS	2706-91-4	3.16	3.01	105	65 - 140		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
ADONA	919005-14-4	11.4	12.1	95	65 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
6:2 FTS	27619-97-2	13.8	12.2	113	65 - 155		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFOA	335-67-1	3.65	3.20	114	70 - 150		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFHxS	355-46-4	2.96	2.92	101	65 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
7:3 FTCA	812-70-4	49.8	80.0	62	50 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFNA	375-95-1	3.64	3.20	114	70 - 150		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFHpS	375-92-8	2.75	3.05	90	70 - 150		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
8:2 FTS	39108-34-4	12.3	12.3	100	60 - 150		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFDA	335-76-2	3.07	3.20	96	70 - 140		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
MeFOSAA	2355-31-9	3.27	3.20	102	50 - 140		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFOS	1763-23-1	2.91	2.97	98	55 - 150		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
EtFOSAA	2991-50-6	3.34	3.20	104	70 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFUnA	2058-94-8	3.61	3.20	113	70 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
9Cl-PF3ONS	756426-58-1	12.0	12.0	101	70 - 155		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFNS	68259-12-1	2.80	3.08	91	65 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFDaA	307-55-1	3.36	3.20	105	70 - 140		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFDS	335-77-3	2.57	3.09	83	60 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFOSA	754-91-6	3.15	3.20	98	70 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFTTrDA	72629-94-8	3.36	3.20	105	65 - 140		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
11Cl-PF3OUdS	763051-92-9	10.7	12.1	89	55 - 160		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1

Sample ID: OPR
EPA Method 1633

Client Data						Laboratory Data					
Name:	Apex Companies, LLC		Matrix:	Aqueous		Lab Sample:	B25G030-BS2		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923,Ta										
Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFTeDA	376-06-7	3.09	3.20	97	60 - 140		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
PFDoS	79780-39-5	2.55	3.10	82	50 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
MeFOSE	24448-09-7	31.2	32.0	97	70 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
MeFOSA	31506-32-8	3.64	3.20	114	60 - 150		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
EtFOSE	1691-99-2	28.3	32.0	88	70 - 135		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
EtFOSA	4151-50-2	3.63	3.20	114	65 - 145		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
Labeled Standards		Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA		IS		88	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C5-PFPeA		IS		92	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C2-4:2 FTS		IS		85	40 - 200		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C3-PFBS		IS		93	40 - 135		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C5-PFHxA		IS		92	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C3-HFPO-DA		IS		81	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C4-PFHpA		IS		82	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C2-6:2 FTS		IS		76	40 - 200		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C8-PFOA		IS		92	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C3-PFHxS		IS		80	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C9-PFNA		IS		91	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C2-8:2 FTS		IS		77	40 - 300		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C6-PFDA		IS		86	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
d3-MeFOSAA		IS		76	40 - 170		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C8-PFOS		IS		88	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
d5-EtFOSAA		IS		68	25 - 135		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C7-PFUnA		IS		72	30 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C2-PFDoA		IS		62	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C8-PFOSA		IS		59	40 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
13C2-PFTeDA		IS		66	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
d7-MeFOSE		IS		36	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
d3-MeFOSA		IS		33	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
d9-EtFOSE		IS		37	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1
d5-EtFOSA		IS		30	10 - 130		B25G030	08-Jul-25	0.500 L	10-Jul-25 16:30	1

Sample ID: Equip-blank						EPA Method 1633				
Client Data					Laboratory Data					
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2507030-04		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923,Task Date Collected:			24-Jun-25 13:15	Date Received:	02-Jul-25 10:05				
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	ND	6.38		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFMPA	377-73-1	ND	3.19		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
3:3 FTCA	356-02-5	ND	7.97		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFPeA	2706-90-3	ND	3.19		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFMBA	863090-89-5	ND	3.19		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
4:2 FTS	757124-72-4	ND	5.98		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
NFDHA	151772-58-6	ND	3.19		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFBS	375-73-5	ND	1.42		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFHxA	307-24-4	ND	1.59		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
HFPO-DA	13252-13-6	ND	6.66		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFEESA	113507-82-7	ND	2.84		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
5:3 FTCA	914637-49-3	ND	39.9		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFHpA	375-85-9	ND	1.59		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFPeS	2706-91-4	ND	1.49		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
ADONA	919005-14-4	ND	6.30		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
6:2 FTS	27619-97-2	ND	6.05		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFOA	335-67-1	ND	1.99		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFHxS	355-46-4	ND	1.46		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
7:3 FTCA	812-70-4	ND	39.9		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFNA	375-95-1	ND	1.59		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFHpS	375-92-8	ND	1.51		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
8:2 FTS	39108-34-4	ND	6.12		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFDA	335-76-2	ND	1.59		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
MeFOSAA	2355-31-9	ND	1.59		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFOS	1763-23-1	ND	1.48		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
EtFOSAA	2991-50-6	ND	1.59		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFUnA	2058-94-8	ND	1.59		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
9Cl-PF3ONS	756426-58-1	ND	6.22		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFNS	68259-12-1	ND	1.53		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFDoA	307-55-1	ND	1.59		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFDS	335-77-3	ND	1.53		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFOSA	754-91-6	ND	1.59		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFTTrDA	72629-94-8	ND	1.59		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
11Cl-PF3OUdS	763051-92-9	ND	5.98		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFTeDA	376-06-7	ND	1.59		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
PFDoS	79780-39-5	ND	1.54		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	
MeFOSE	24448-09-7	ND	15.9		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1	

Sample ID: Equip-blank					EPA Method 1633				
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2507030-04		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923,Task			Date Collected:	24-Jun-25 13:15		Date Received:	02-Jul-25 10:05	
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	1.59		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
EtFOSE	1691-99-2	ND	15.9		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
EtFOSA	4151-50-2	ND	1.59		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	77	10 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C5-PFPeA	IS	75	40 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C2-4:2 FTS	IS	78	40 - 200		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C3-PFBS	IS	84	40 - 135		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C5-PFHxA	IS	77	40 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C3-HFPO-DA	IS	70	40 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C4-PFHpA	IS	70	40 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C2-6:2 FTS	IS	74	40 - 200		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C8-PFOA	IS	79	40 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C3-PFHxS	IS	77	40 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C9-PFNA	IS	80	40 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C2-8:2 FTS	IS	75	40 - 300		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C6-PFDA	IS	79	40 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
d3-MeFOSAA	IS	66	40 - 170		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C8-PFOS	IS	76	40 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
d5-EtFOSAA	IS	64	25 - 135		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C7-PFUnA	IS	78	30 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C2-PFDoA	IS	61	10 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C8-PFOSA	IS	59	40 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
13C2-PFTeDA	IS	62	10 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
d7-MeFOSE	IS	47	10 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
d3-MeFOSA	IS	35	10 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
d9-EtFOSE	IS	49	10 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1
d5-EtFOSA	IS	34	10 - 130		B25G030	08-Jul-25	0.502 L	10-Jul-25 21:28	1

RL - Reporting limit

Results reported to RL.

Sample ID: Tote-2						EPA Method 1633				
Client Data					Laboratory Data					
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2507030-05		Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923,Task Date Collected:			24-Jun-25 11:00	Date Received:	02-Jul-25 10:05				
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBA	375-22-4	ND	6.41		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFMPA	377-73-1	ND	3.20		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
3:3 FTCA	356-02-5	ND	8.01		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFPeA	2706-90-3	ND	3.20		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFMBA	863090-89-5	ND	3.20		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
4:2 FTS	757124-72-4	ND	6.01		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
NFDHA	151772-58-6	ND	3.20		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFBS	375-73-5	ND	1.42		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFHxA	307-24-4	ND	1.60		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
HFPO-DA	13252-13-6	ND	6.69		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFEESA	113507-82-7	ND	2.85		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
5:3 FTCA	914637-49-3	ND	40.0		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFHpA	375-85-9	ND	1.60		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFPeS	2706-91-4	ND	1.50		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
ADONA	919005-14-4	ND	6.33		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
6:2 FTS	27619-97-2	ND	6.08		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFOA	335-67-1	ND	2.00		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFHxS	355-46-4	ND	1.46		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
7:3 FTCA	812-70-4	ND	40.0		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFNA	375-95-1	ND	1.60		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFHpS	375-92-8	ND	1.52		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
8:2 FTS	39108-34-4	ND	6.15		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFDA	335-76-2	ND	1.60		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
MeFOSAA	2355-31-9	ND	1.60		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFOS	1763-23-1	ND	1.49		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
EtFOSAA	2991-50-6	ND	1.60		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFUnA	2058-94-8	ND	1.60		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
9Cl-PF3ONS	756426-58-1	ND	6.25		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFNS	68259-12-1	ND	1.54		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFDoA	307-55-1	ND	1.60		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFDS	335-77-3	ND	1.54		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFOSA	754-91-6	ND	1.60		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFTTrDA	72629-94-8	ND	1.60		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
11Cl-PF3OUdS	763051-92-9	ND	6.01		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFTeDA	376-06-7	ND	1.60		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
PFDoS	79780-39-5	ND	1.55		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	
MeFOSE	24448-09-7	ND	16.0		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1	

Sample ID: Tote-2 **EPA Method 1633**

Client Data					Laboratory Data				
Name:	Apex Companies, LLC	Matrix:	Water		Lab Sample:	2507030-05	Column:	BEH C18	
Project:	Former Fire Stations Characterization 24009923, Task Date Collected:			24-Jun-25 11:00	Date Received:	02-Jul-25 10:05			

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	1.60		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
EtFOSE	1691-99-2	ND	16.0		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
EtFOSA	4151-50-2	ND	1.60		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	41	10 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C5-PFPeA	IS	84	40 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C2-4:2 FTS	IS	90	40 - 200		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C3-PFBS	IS	86	40 - 135		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C5-PFHxA	IS	88	40 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C3-HFPO-DA	IS	79	40 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C4-PFHpA	IS	81	40 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C2-6:2 FTS	IS	75	40 - 200		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C8-PFOA	IS	81	40 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C3-PFHxS	IS	77	40 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C9-PFNA	IS	76	40 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C2-8:2 FTS	IS	75	40 - 300		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C6-PFDA	IS	78	40 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
d3-MeFOSAA	IS	71	40 - 170		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C8-PFOS	IS	78	40 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
d5-EtFOSAA	IS	71	25 - 135		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C7-PFUnA	IS	73	30 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C2-PFDoA	IS	59	10 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C8-PFOSA	IS	71	40 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
13C2-PFTeDA	IS	66	10 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
d7-MeFOSE	IS	55	10 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
d3-MeFOSA	IS	43	10 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
d9-EtFOSE	IS	58	10 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1
d5-EtFOSA	IS	48	10 - 130		B25G030	08-Jul-25	0.499 L	10-Jul-25 21:41	1

RL - Reporting limit

Results reported to RL.

Sample ID: DW-101-063025						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2507030-06		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923,Task			Date Collected:	30-Jun-25 15:00		Date Received:	02-Jul-25 10:05	
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.43		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFMPA	377-73-1	ND	3.22		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
3:3 FTCA	356-02-5	ND	8.04		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFPeA	2706-90-3	ND	3.22		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFMBA	863090-89-5	ND	3.22		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
4:2 FTS	757124-72-4	ND	6.03		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
NFDHA	151772-58-6	ND	3.22		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFBS	375-73-5	ND	1.43		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFHxA	307-24-4	ND	1.61		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
HFPO-DA	13252-13-6	ND	6.72		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFEESA	113507-82-7	ND	2.87		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
5:3 FTCA	914637-49-3	ND	40.2		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFHpA	375-85-9	ND	1.61		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFPeS	2706-91-4	ND	1.51		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
ADONA	919005-14-4	ND	6.35		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
6:2 FTS	27619-97-2	ND	6.10		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFOA	335-67-1	ND	2.01		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFHxS	355-46-4	ND	1.47		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
7:3 FTCA	812-70-4	ND	40.2		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFNA	375-95-1	ND	1.61		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFHpS	375-92-8	ND	1.53		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
8:2 FTS	39108-34-4	ND	6.17		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFDA	335-76-2	ND	1.61		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
MeFOSAA	2355-31-9	ND	1.61		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFOS	1763-23-1	ND	1.50		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
EtFOSAA	2991-50-6	ND	1.61		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFUnA	2058-94-8	ND	1.61		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
9Cl-PF3ONS	756426-58-1	ND	6.27		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFNS	68259-12-1	ND	1.55		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFDoA	307-55-1	ND	1.61		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFDS	335-77-3	ND	1.55		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFOSA	754-91-6	ND	1.61		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFTTrDA	72629-94-8	ND	1.61		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
11Cl-PF3OUdS	763051-92-9	ND	6.03		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFTeDA	376-06-7	ND	1.61		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
PFDoS	79780-39-5	ND	1.56		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
MeFOSE	24448-09-7	ND	16.1		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1

Sample ID: DW-101-063025						EPA Method 1633			
Client Data					Laboratory Data				
Name:	Apex Companies, LLC		Matrix:	Water	Lab Sample:	2507030-06		Column:	BEH C18
Project:	Former Fire Stations Characterization 24009923,Task			Date Collected:	30-Jun-25 15:00		Date Received:	02-Jul-25 10:05	
Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSA	31506-32-8	ND	1.61		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
EtFOSE	1691-99-2	ND	16.1		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
EtFOSA	4151-50-2	ND	1.61		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	5.2	10 - 130	Q	B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C5-PFPeA	IS	70	40 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C2-4:2 FTS	IS	137	40 - 200		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C3-PFBS	IS	80	40 - 135		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C5-PFHxA	IS	76	40 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C3-HFPO-DA	IS	71	40 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C4-PFHpA	IS	73	40 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C2-6:2 FTS	IS	100	40 - 200		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C8-PFOA	IS	76	40 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C3-PFHxS	IS	72	40 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C9-PFNA	IS	69	40 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C2-8:2 FTS	IS	71	40 - 300		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C6-PFDA	IS	73	40 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
d3-MeFOSAA	IS	67	40 - 170		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C8-PFOS	IS	72	40 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
d5-EtFOSAA	IS	72	25 - 135		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C7-PFUnA	IS	69	30 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C2-PFDoA	IS	59	10 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C8-PFOSA	IS	58	40 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
13C2-PFTeDA	IS	64	10 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
d7-MeFOSE	IS	48	10 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
d3-MeFOSA	IS	42	10 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
d9-EtFOSE	IS	52	10 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	1
d5-EtFOSA	IS	40	10 - 130		B25G030	08-Jul-25	0.497 L	10-Jul-25 21:55	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 ½ 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.

CoC/Label Reconciliation Report WO# 2507030

LabNumber	CoC Sample ID	Sample Alias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2507030-01	A DW-101 (0-6)	☒	24-Jun-25 08:15	☒	HDPE Jar, 6 oz	Solid
2507030-02	A DW-101 (6-10)	☒	24-Jun-25 08:30	☒	HDPE Jar, 6 oz	Solid
2507030-03	A DW-101 (10-15)	☒	24-Jun-25 08:45	☒	HDPE Jar, 6 oz	Solid
2507030-04	A Equip-blank	☒	24-Jun-25 13:15	☒	HDPE Bottle, 500 mL	Aqueous
2507030-04	B Equip-blank	☒	24-Jun-25 13:15	☒	HDPE Bottle, 500 mL	Aqueous
2507030-04	C Equip-blank	☒	24-Jun-25 13:15	☒	HDPE Bottle, 125 mL	Aqueous
2507030-05	A Tote-2	☒	24-Jun-25 11:00	☒	HDPE Bottle, 500 mL	Aqueous
2507030-05	B Tote-2	☒	24-Jun-25 11:00	☒	HDPE Bottle, 500 mL	Aqueous
2507030-05	C Tote-2	☒	24-Jun-25 11:00	☒	HDPE Bottle, 125 mL	Aqueous
2507030-06	A DW-101-063025	☒ A	30-Jun-25 15:00	☒	HDPE Bottle, 500 mL	Aqueous
2507030-06	B DW-101-063025	☒	30-Jun-25 15:00	☒	HDPE Bottle, 500 mL	Aqueous
2507030-06	C DW-101-063025	☒	30-Jun-25 15:00	☒	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.

CONDITION	Yes	No	NA
Sample Container Intact?	☒	☐	☐
Sample Container(s) Custody Seals Intact?	☐	☐	☒
Custody Seals On Cooler Intact?	☒	☐	☐
Adequate Sample Volume?	☒	☐	☐
Container Type Appropriate for Analysis(es)?	☒	☐	☐

Comments:

A Sample contain cream tint and particulate

Preservation Documented: Na₂S₂O₃ Trizma NH₄CH₃CO₂ None Other

Verified by/Date: KW 07/02/25