



Memorandum

To: *Crescenta Valley Water District*

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Date: *April 30, 2026*

Subject: *Bench-Scale Treatability Study Report for Removal of Perfluoroalkyl Acids from Water Collected at Crescenta Valley Water District Well 8 and Well 12 in Glendale, California*

1.0 Introduction

This technical memorandum summarizes the bench-scale treatability testing to evaluate removal of perfluoroalkyl acids (PFAAs) from the combined source water collected from Well 8 and Well 12 in Crescenta Valley Water District (CVWD) in Glendale, California. Sorbents used for the bench-scale treatability testing included one commercially available granular activated carbon (GAC) and three anion exchange resins (AERs). The bench-scale treatability study was conducted at the CDM Smith Research & Testing Laboratory (RTL) in Bellevue, Washington, from November 2025 to February 2026. The primary objectives of this study were to compare PFAA removal effectiveness in CVWD's raw drinking water as a function of empty-bed volumes (EBVs) for the sorbents tested. Insights from the completed rapid small-scale column testing (RSSCT) will directly inform media selection and design parameters, supporting a robust, evidence-based framework for pilot- and full-scale implementation.

2.0 Water Collection

Water collection was performed at CVWD Wells 8 and 12 on November 18, 2025. Approximately 510 gallons of combined water were collected after a mixing point in the water treatment system into 30-gallon high-density polyethylene (HDPE) drums. Before collection, the drums were rinsed with source water to remove any residue present. Following sample collection, the drums were sent to the RTL via freight shipping. During well sampling, one 500 milliliter (mL) sample preserved in ammonium acetate was collected and submitted to Eurofins Eaton Analytical Pomona (Eurofins) for analysis of per- and polyfluoroalkyl substances (PFAS) via U.S. Environmental Protection Agency (EPA) Method 533 (target list with 25 compounds) to establish baseline PFAS conditions. **Table 1** shows the results associated with the baseline PFAS analyses. Currently, perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) have National Primary Drinking Water Regulations established by the EPA. PFOS and PFOA were detected in the source water at 1.9 nanograms per liter (ng/L) and 3.3 ng/L, respectively, which complies with the 4.0 ng/L maximum contaminant levels (MCLs) established in 2024 (EPA 2024). Out of the five PFAS with nonregulatory notification levels and reporting levels issued by the California State Water Resources Control Boards (PFOA, perfluorohexanoic acid [PFHxA], perfluorobutanesulfonic acid [PFBS], Perfluorohexanesulfonic acid [PFHxS], and PFOS), PFHxS was detected at 3.5 ng/L, which exceeds its 3.0 ng/L

notification level (California Water Boards 2025). **Attachment 1** provides the corresponding PFAS analytical report.

Table 1 PFAAs Detected in the Water Collected for Bench Testing

Analytes	Analyte Name	PFAA Concentration (ng/L)
PFBA	Perfluorobutanoic acid	3.0
PFPeA	Perfluoropentanoic acid	6.1
PFHxA	Perfluorohexanoic acid	6.2
PFHpA	Perfluoroheptanoic acid	1.9 J
PFOA	Perfluorooctanoic acid	3.3
PFBS	Perfluorobutanesulfonic acid	5.2
PFPeS	Perfluoropentanesulfonic acid	0.86 J
PFHxS	Perfluorohexanesulfonic acid	3.5
PFOS	Perfluorooctanesulfonic acid	1.9 J

Note: Of the 25 compounds on the EPA 533 target analyte list, only the 9 compounds shown were above their analytical detection limits in the source water. PFAAs with federal MCLs that must be within compliance by 2029 are noted in **bold**. J flags indicate that values are estimates (below the 2.0 ng/L reporting limit [RL], but higher than the method detection limit [MDL]). **Attachment 1** presents detailed analytical reports.

Additional samples were submitted at the time of water collection and analyzed to establish baseline water quality parameters of total and dissolved metals (EPA Methods 200.7 and 200.8), anionic composition (EPA Method 300), and ammonia (EPA Method 350.1).

Table 2 provides results of these measurements.

Table 2 Water Quality Results—Field Measurements

Analytes	Result	Units
pH*	7.6	Standard units (SU)
Temperature*	22	Degrees Celsius (°C)
Chloride	87	Milligrams per liter (mg/L)
Sulfate	120	mg/L
Nitrate	8.2	mg/L as Nitrogen (N)
Nitrite	<0.10	mg/L as N
Ammonia	<0.030	mg/L
Iron, dissolved	<0.010	mg/L
Iron, total	<0.010	mg/L
Manganese, dissolved	<2.0	Micrograms per liter (µg/L)
Manganese, total	<2.0	µg/L
Arsenic	0.52 J	µg/L

Notes:

* pH and temperature were measured immediately at the time of water collection.

Key: <—less than

3.0 Laboratory Pretesting

Upon receipt at the RTL, the collected water was visually inspected for particulates and sediment to determine if filtering was required. After visually inspecting the water, no additional filtering was deemed necessary. A PFAS spiking solution was prepared and submitted to Eurofins for verification. Details pertinent to PFAS spike solution preparation and additional pretesting activities are provided in this section.

3.1 Baseline Analysis

Grab samples collected from three drums upon receipt were analyzed at the RTL for pH, total organic carbon (TOC), dissolved organic carbon (DOC), alkalinity, chloride, sulfate, and nitrate. **Table 3** presents the baseline results associated with the three grab samples. Results from water quality analysis at the RTL agree with field-collected analyses, indicating no change in water quality during transit. Chloride and sulfate concentrations measured at the RTL (via ion chromatography based on EPA Method 300) measured slightly low in comparison to the samples analyzed by Eurofins; however, the relative percent differences (RPDs) between RTL and Eurofins values for chloride and sulfate are both within 15 percent (%), which indicate that the differences between the values are not statistically significant. TOC and DOC were both measured at an average value of 0.49 mg/L, which shows that all organic carbon is present in the dissolved phase.

Table 3 Baseline Water Quality Results—CDM Smith’s Research & Testing Laboratory in Bellevue, Washington

Analytes	Result			Units
	Drum 1	Drum 9	Drum 17	
pH	7.5	7.6	7.6	SU
Temperature	21	21	21	°C
Chloride	75	75	75	mg/L
Sulfate	100	100	100	mg/L
Nitrate	7.8	7.9	7.8	mg/L as N
TOC	0.55	0.47	0.44	mg/L
DOC	0.48	0.50	0.50	mg/L
Alkalinity	140	140	130	mg/L as calcium carbonate (CaCO ₃)

3.2 PFAA Spiking Solution

Because of the relatively low levels of PFAAs detected in the waters collected for bench testing (shown in **Table 1**) and to facilitate evaluation of PFAA breakthrough, the source water was spiked with PFAAs to approximately five times (5x) above the PFAA levels present in the baseline samples. The PFAA spiking was performed to allow for observations of contaminant breakthrough within a reasonable time frame under laboratory settings while still allowing for projection of media performance and longevity with a high degree of confidence. These increases in PFAS concentration are not expected to bias results, as linear PFAS adsorption isotherms have been demonstrated at low concentrations for carbon-rich materials (Fabregat-Palau, et al. 2022). A PFAA spiking solution was prepared using high-purity, analytical grade PFAAs. Following preparation, a source water sample was amended with the PFAA spiking solution and submitted to Eurofins for verification of the spiking concentrations and procedures. **Table 4** presents PFAA results of the spiked sample, which verify the accuracy of the spiking solution. The perc

ent accuracy was calculated by dividing the measured value from Eurofins by the targeted 5x concentration relative to the baseline detections. PFPeS was also detected at a low concentration (<1.0 ng/L) in the source water; however, it was left out of the spiking solution because of its proximity to the MDL. All spiked compounds measured within 20% of the target 5x spike concentration.

Table 4 Verification of PFAA Results in the Spiked Sample Prepared at CDM Smith’s Research & Testing Laboratory in Bellevue, Washington

Analytes	Baseline Concentration (ng/L)	Target Concentration, Plant Water and 5x Spike (ng/L)	Eurofins Verified Concentration (ng/L)	Accuracy (%)
PFBA	3.0	15	13.0	87%
PFPeA	6.1	31	27.0	89%
PFHxA	6.2	31	28.0	90%
PFHpA	1.9 J	9.5	9.1	96%
PFOA	3.3	17	15.0	91%
PFBS	5.2	26	24.0	92%
PFHxS	3.5	18	16.0	91%
PFOS	1.9 J	9.5	7.8	82%

Note: PFAAs with federal MCLs that must be within compliance by 2029 are noted in **bold**. **Attachment 1** presents detailed analytical reports.

4.0 Experimental Methodology

This section provides the overall experimental approach and design, column setup, materials used, and analytical methods employed in the execution of the column experiment.

4.1 Materials and Column Preparation

The RSSCT experimental approach was employed for column testing. Grinding the GAC and AER media to a smaller particle size increases the PFAA mass transfer rates to the particles, allowing for a shorter empty-bed contact time (EBCT) and experimental duration that would otherwise be needed to assess long-term performance of the unground media. RSSCTs have been widely applied for testing the removal of trace organic contaminants by GAC and AER using small-scale columns operated at short EBCTs. The RSSCTs, assuming constant diffusivity and negligible external mass transfer, are scaled to the treatment media particle size using the following relationship (Crittenden, et al. 1991):

$$\frac{EBCT_{SC}}{EBCT_{FS}} = \left(\frac{d_{SC}}{d_{FS}}\right)^2 \quad \text{Equation 1}$$

where d refers to the treatment media diameter, the subscript SC refers to the small-scale column, and the subscript FS refers to the full-scale system. For water with relatively low organic carbon levels, such as the source water used in this testing, the constant diffusivity model assumed in **Equation 1** likely is reasonable (Kempisty, 2014). Grinding was performed using a blender and mortar and pestle to reduce particle size by a factor of approximately 3.5. Sieve analysis was used to verify the particle size reduction for each sorbent medium. Each ground medium was rinsed with deionized (DI) water to remove fines and was air dried before column packing.

This study evaluated the PFAA removal effectiveness for one commercially available GAC product (ARQ CarbPure 1240) and three commercially available AER products (Purolite Purofine PFA694E, Calgon CalRes 2301, and AmberLite PSR2 Plus). **Attachment 2** provides the specification sheets associated with these treatment media. Glass columns (purchased from Econo-Column) measuring 0.7 centimeters (cm) in diameter and 10 cm in length were used as shown in **Figure 1**. Each column was equipped with a 28-micron bed support and a slip-on end cap. Multichannel Masterflex peristaltic pumps with PharMed peristaltic tubing and low-density polypropylene tubing were used to distribute and maintain the target flow rates throughout the study. All columns were prerinsed with methanol and DI water to remove any trace PFAA present before use.

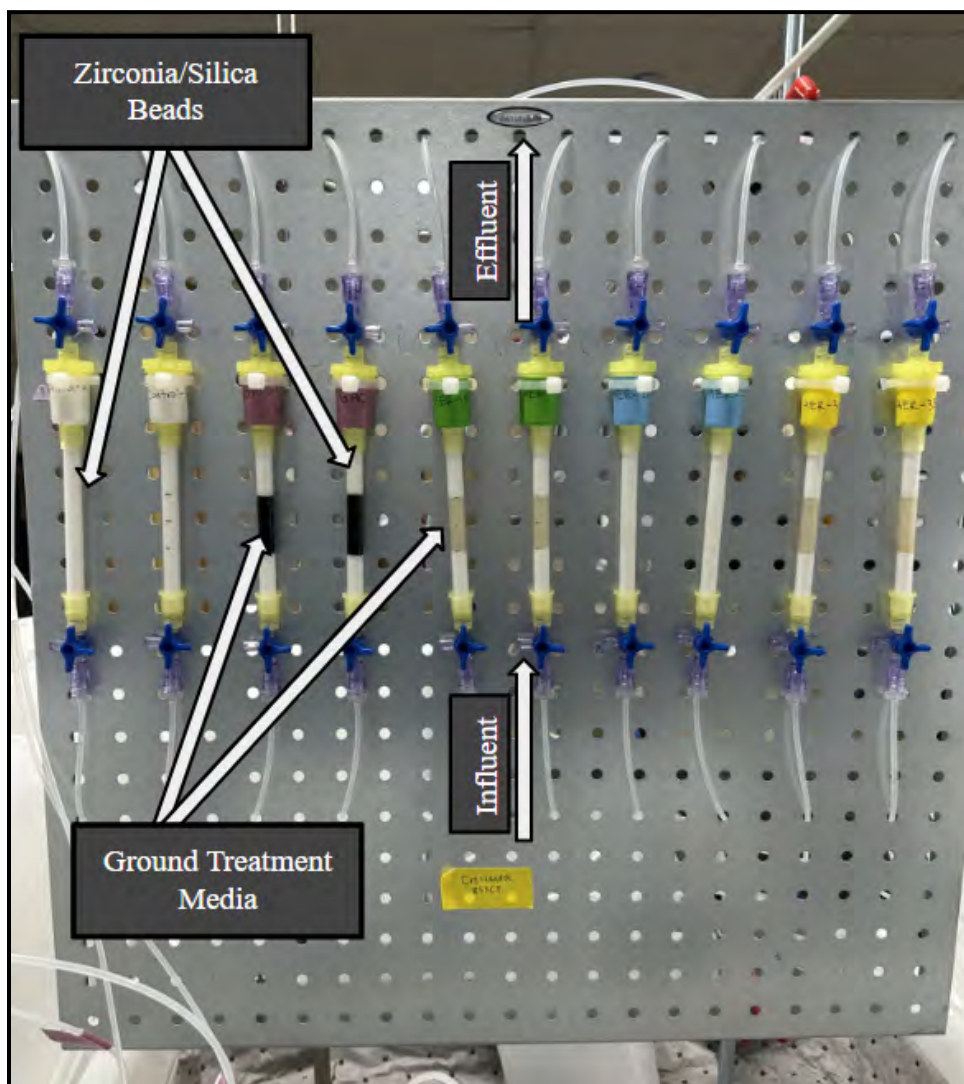


Figure 1 Experimental Rapid Small-Scale Column Test Setup

Columns were constructed so that the 3.0 cm beds of treatment media centered within the glass columns and were sandwiched by 0.1-millimeter (mm) zirconia/silica beads. Control columns were filled entirely with the zirconia/silica beads (without any treatment media) and served to confirm that PFAA losses in the absence of treatment media were negligible. Following dry packing in small increments, a

wetted piece of glass wool was placed on top of each column to further prevent migration of the zirconia/silica beads or treatment media during the column testing. Before starting treatment of the source water, DI water was flushed through the columns in an up-flow configuration for approximately 8 hours to assess and address any leaking. **Table 5** shows the treatment media that were evaluated in the bench-scale column testing, including the rationale for each selected treatment. All columns were prepared in duplicate (A and B).

Table 5 Treatment Media and Rationale

Treatment	Media	Rationale
Control	0.1- mm Zirconia/silica beads only	Assess any PFAA losses caused by sorption on the column materials or tubing; operated in tandem with GAC columns
GAC	ARQ CarbPure 1240	Assess PFAA treatment by the GAC product
AER	Purolite Purofine PFA694E, Calgon CalRes 2301, AmberLite PSR2 Plus	Assess PFAA treatment by each of the AER products

Once the columns were constructed, source water was spiked with PFAAs to attain the concentrations indicated in **Table 4** and pumped upward through the columns. Column effluents were collected in 5-gallon HDPE jerricans, which were weighed periodically to calculate flow rates. The 30-gallon HDPE drums containing source water and spiked with the PFAA spiking solution were used as the influent reservoirs.

Separate GAC columns were prepared in the same manner described above to facilitate evaluation of potential pH increases and subsequent arsenic releases immediately following GAC operation, shown in **Figure 2**. Unground (i.e., as received from the GAC vendors) GAC and larger inner diameter (ID) (2.5 cm) columns were used for this experiment. Unspiked source water was used to more closely replicate field conditions. Flushing was not performed for these columns so that any pH excursions and corresponding arsenic mobilization immediately following start-up was captured. Arsenic mobilization typically occurs immediately following GAC operations. Therefore, non-RSSCT protocols and unground media were used to best simulate field conditions.



Figure 2 Experimental Setup for Unground Media

Additionally, separate AER columns (shown in **Figure 2**) were constructed in a similar manner to the GAC arsenic columns, including the use of unground (i.e., as received from the vendor) media, larger ID (2.5 cm) columns, and unspiked source water to evaluate the potential chloride-to-sulfate mass ratio (CSMR) changes immediately following treatment start-up. No initial flushing was performed for these columns to capture any potential CSMR changes. Nitrate was also monitored during CSMR testing to verify that AER media did not result in an increase in nitrate above the 10 mg/L as N MCL.

4.2 Design Details—Empty-Bed Contact Time and Flow Rates

The vendor-recommended EBCT for PFAA treatment via GAC is 10 minutes (min), whereas it is 2 min for AER. Following a 3.5-fold reduction in particle size, the EBCT used in the RSSCT for GAC is approximately 0.82 min (based on **Equation 1**), which corresponds to a design flow rate of approximately 1.4 mL per min (mL/min) as shown in **Table 6**. Following a 3.5-fold reduction in particle size, the EBCT used in the RSSCT for AER columns is approximately 0.24 min (based on **Equation 1**), which corresponds to a design flow rate of approximately 4.7 mL/min as shown in **Table 6**.

Table 6 Rapid Small-Scale Column Test Column Experimental Design

Parameters	Control-A and B*	GAC-1A and 1B	AER-1A and 1B	AER-2A and 2B	AER-3A and 3B	Units
	<i>Zirconia/Silica beads</i>	<i>ARQ CarbPure 1240</i>	<i>Purolite Purofine PFA694E</i>	<i>Calgon CalRes 2301</i>	<i>AmberLite PSR2 Plus</i>	
Column ID	0.7	0.7	0.7	0.7	0.7	cm
GAC/AER bed length	-	3	3	3	3	cm
EBV	-	1.2	1.2	1.2	1.2	cm ³
Particle reduction	-	3.5	3.5	3.5	3.5	folds
Vendor-recommended EBCTs	-	10	3	3	3	min
Theoretical EBCTs to use	-	0.82	0.24	0.24	0.24	min
Design flow rate	1.4	1.4	4.7	4.7	4.7	cm ³ /min
Target total bed volumes	-	100,000	150,000	150,000	150,000	bed volumes
Test duration	57	57	26	26	26	days
Volume of water needed	31	31	46	46	46	gallons

Notes:

*Control column flow rates based on GAC column design parameters

A and B denote duplicate columns

cm³ = cubic centimeter

Using the recommended EBCT, the unground media columns used for arsenic mobilization and short-term CSMR assessment were designed according to **Table 7**.

Table 7 Arsenic and CSMR Assessment Column Experimental Design

Parameter	GAC-1A and 1B– Arsenic (AS)	AER-1A and 1B– CSMR	AER-2A and 2B– CSMR	AER-3A and 3B– CSMR	Unit
	<i>ARQ CarbPure 1240</i>	<i>Purolite Purofine PFA694E</i>	<i>Calgon CalRes 2301</i>	<i>AmberLite PSR2 Plus</i>	
Column ID	2.5	2.5	2.5	2.5	cm
GAC or AER bed length	3	3	3	3	cm
EBV	15	15	15	15	cm ³
Vendor-recommended EBCTs	10	3	3	3	min
Design flow rate	1.5	4.9	4.9	4.9	cm ³ /min
Target total bed volumes	500	2,000	2,000	2,000	bed volumes
Test duration	3.4	4.2	4.2	4.2	Days

4.3 Sampling and Analysis

Operation and sampling of the columns described in **Table 6** commenced in December 2025. During the first week of column operation, influent pH was monitored daily. For the RSSCT columns used to assess PFAS breakthrough, influent samples (from the GAC influent reservoirs) and effluent samples from each column were collected for analysis five times over the course of the experiment. The control and GAC columns were sampled at approximately 20,000, 40,000, and 60,000, 80,000, and 100,000 EBVs. The AER column effluents were sampled at approximately 30,000, 60,000, 90,000, 120,000, and 150,000 EBVs. At each sampling event, the pH of the influent reservoirs and column effluents was measured using a calibrated pH probe at the RTL. Additionally, influent and effluent samples from AER columns were collected at each sampling event for monitoring of chloride, sulfate, and nitrate via ion chromatography at the RTL. Flow rates through each column were determined by weighing the column effluent containers and dividing the mass of water collected by the collection time. Influent and effluent samples were submitted to Eurofins for analysis of PFAAs. PFAAs were analyzed using liquid chromatography with tandem mass spectrometry by Eurofins in accordance with EPA Method 533 (*Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry*).

Effluent samples from the arsenic GAC columns (design details described in **Table 7**) were collected at approximately 50, 100, and 500 EBVs and submitted to Eurofins for arsenic analysis using EPA Method 200.8. Influent and effluent pH samples were monitored at the RTL at each sampling event. Similarly, effluent samples from the CSMR columns (design details described in **Table 7**) were collected at approximately 50, 100, 500, 1,000 and 2,000 EBVs. Influent and effluent samples were measured by the RTL for chloride, sulfate, nitrate, and pH to capture potential changes in the CSMR in the AER column effluent as soon as practicable. **Table 8** presents a summary detailing column types and analyses completed at specified EBV sampling events. **Attachment 1** presents all Eurofins analytical reports.

Table 8 Summary of Column Types and Analyses Collected at Specified Empty-Bed Volumes

Column/Media Type	Column Identification	Sample Points (EBVs)	Analyses
RSSCT/Ground Media	Control-A and B GAC-1A and 1B	20,000	pH PFAAs (EPA 533)
		40,000	
		60,000	
		80,000	
		100,000	
	AER-1A and 1B AER-2A and 2B AER-3A and 3B	30,000	pH Chloride, Sulfate, Nitrate PFAAs (EPA 533)
		60,000	
		90,000	
		120,000	
		150,000	
Unground Media	GAC-1A-AS and 1B-AS	50	pH Total Arsenic (EPA 200.8)
		100	
		500	
	AER-1A-CSMR and 1B-CSMR AER-2A-CSMR and 2B-CSMR	50	pH Chloride, Sulfate, Nitrate
		100	
		500	
		1,000	

Column/Media Type	Column Identification	Sample Points (EBVs)	Analyses
	AER-2A-CSMR and 2B-CSMR	2,000	

Note: PFAAs and total arsenic analyses were conducted by Eurofins, while all other analyses were performed at the RTL.

5.0 Results

This section presents pertinent results from the source water, organized by discussion of arsenic mobilization, changes in CSMR, flow rates, pH, and PFAAs.

5.1 Potential for pH Excursions and Arsenic Release Immediately Following Granular Activated Carbon Operations

To assess the potential for pH excursions and corresponding release of arsenic immediately following GAC operation using unground and unwashed media, pH and arsenic samples were collected in column effluent samples at approximately 50, 100, and 500 EBVs as summarized in **Table 9**. A slight increase in pH (from 7.7 SU in the influent to approximately 8.1 SU) was observed in GAC-1-AS (ARQ CarbPure 1240, unground, a bituminous coal-based GAC) column effluents immediately following GAC operation. This pH increase was accompanied by arsenic mobilization at 50 EBVs at concentrations of 4.9 and 5.9 µg/L (replicates A and B), which are below the 10 µg/L MCL for arsenic. Arsenic concentrations in GAC column effluents decreased to 2.1 and 2.6 µg/L (replicates A and B) at 100 EBVs and decreased below the reporting limit of 1.0 µg/L at 500 EBVs. The effluent pH returned to influent levels by 500 EBVs.

Table 9 pH and Total Arsenic Results of Unground Granular Activated Carbon Columns

Column ID	Media	EBVs	pH (SU)	Total Arsenic (µg/L)
Influent*	-	0	-	0.52 J
		50	7.7	-
		100	7.7	-
		500	7.7	-
GAC-1A-AS	ARQ CarbPure 1240	50	8.0	4.9
		100	7.8	2.1
		500	7.7	0.82 J
GAC-1B-AS	ARQ CarbPure 1240	50	8.1	5.9
		100	7.9	2.6
		500	7.8	0.84 J

Notes:

A and B denote duplicate columns. J flags indicate that values are estimates (below the 2.0 ng/L reporting limit, but higher than the MDL).

*Influent arsenic was measured during baseline analyses

5.2 Potential for pH Excursions and Chloride-to-Sulfate Mass Ratio Changes Immediately Following Anion Exchange Resin Operations

To assess the potential for changes in CSMR immediately following AER operation using unground and unwashed media, pH and anion samples were collected from column effluents at approximately 50, 100, 500, 1,000, and 2,000 EBVs as summarized in **Figure 3**, **Figure 4**, **Figure 5**, and **Figure 6**. No column effluents exhibited a significant change in pH outside of the target pH range of 7.6 ± 0.5 SU (based on the pH measured during field water sample collection). Compared to a starting influent pH of 7.8 SU, AER-1-CSMR (Purolite Purofine PFA694E, unground) effluents had minor pH decreases between 7.4 SU and 7.6 SU until the 500 EBVs sampling event. AER effluent pH values subsequently remained steady (± 0.2 SU) near influent pH levels for the remainder of the study. AER-2-CSMR (Calgon CalRes 2301, unground) effluents exhibited a less pronounced decrease in pH to approximately 7.6 SU from 50 to 500 EBVs and maintained influent pH levels (within 0.2 SU) for the remaining sampling events. AER-3-CSMR (DuPont AmberLite PSR2 Plus, unground) columns similarly displayed a minor drop in pH to 7.4 to 7.7 SU during the initial 500 EBVs before returning to influent levels.

Despite a very minimal decrease in pH in all column effluents, AER effluent chloride and sulfate concentrations were significantly impacted up to 500 EBVs. For all three media tested, sulfate decreased to near non-detect levels during the first 50 EBVs and quickly increased to influent levels by 500 EBVs. Chloride increased for all media and to a maximum of 200 mg/L (an increase of 120 mg/L compared to the influent) for AER-3-CSMR in the first 50 EBVs. Chloride concentrations were similarly elevated to 180 mg/L for AER-2-CSMR and 190 mg/L for AER-1-CSMR. Chloride concentrations in AER effluents returned to influent concentrations of 83 mg/L by 500 EBVs. These deviations from the influent CSMR of 0.74 for each AER media are visualized in **Figure 7**. Nitrate concentrations were also impacted according to **Figure 6**. AER-1-CSMR and AER-2-CSMR behaved similarly, with nitrate dropping to non-detect levels (<0.13 mg/L as N) until 100 EBVs. Nitrate returned to approximate influent concentrations of 6.7 mg/L as N for AER-1-CSMR and AER-2-CSMR effluents by 1,000 EBVs. AER-3-CSMR effluents exhibited the largest suppression of nitrate levels. By 1,000 EBVs, the average nitrate concentration in AER-3-CSMR effluents was 4.6 mg/L as N, and concentrations returned to influent levels by the final 2,000 EBVs time point. These findings showed that none of the treatment media caused a negative increase in nitrate concentrations above the influent nitrate levels. An analysis of long-term CSMR and nitrate concentrations out to 150,000 EBVs is presented in **Section 5.3.3**.

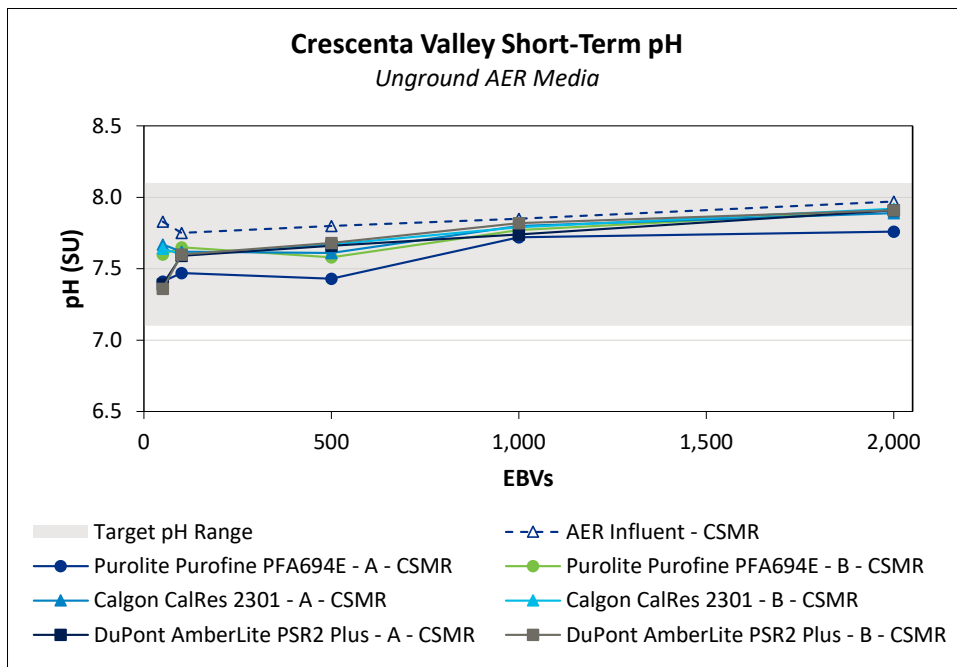
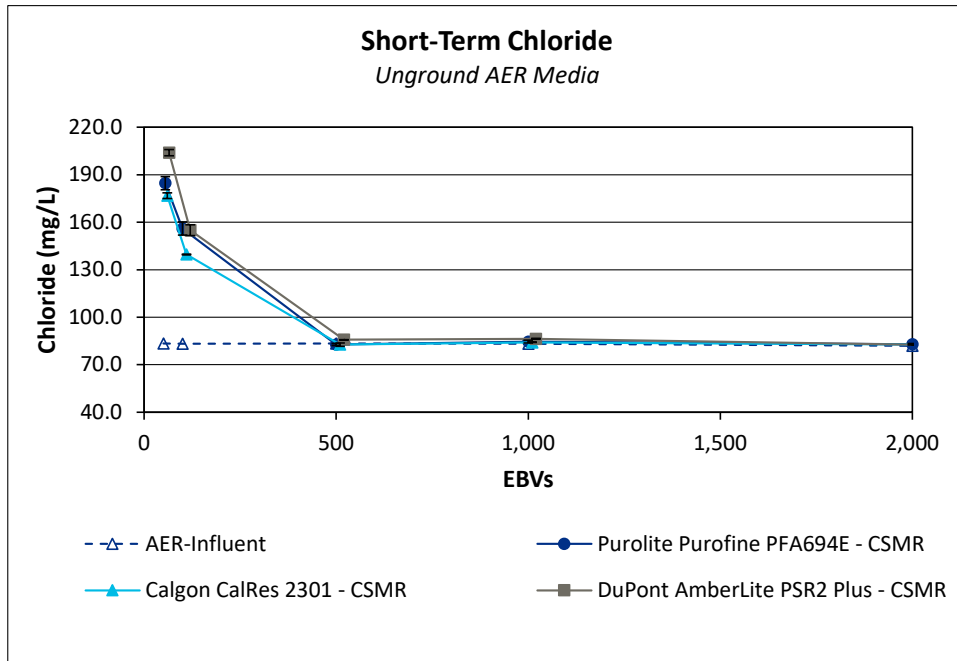
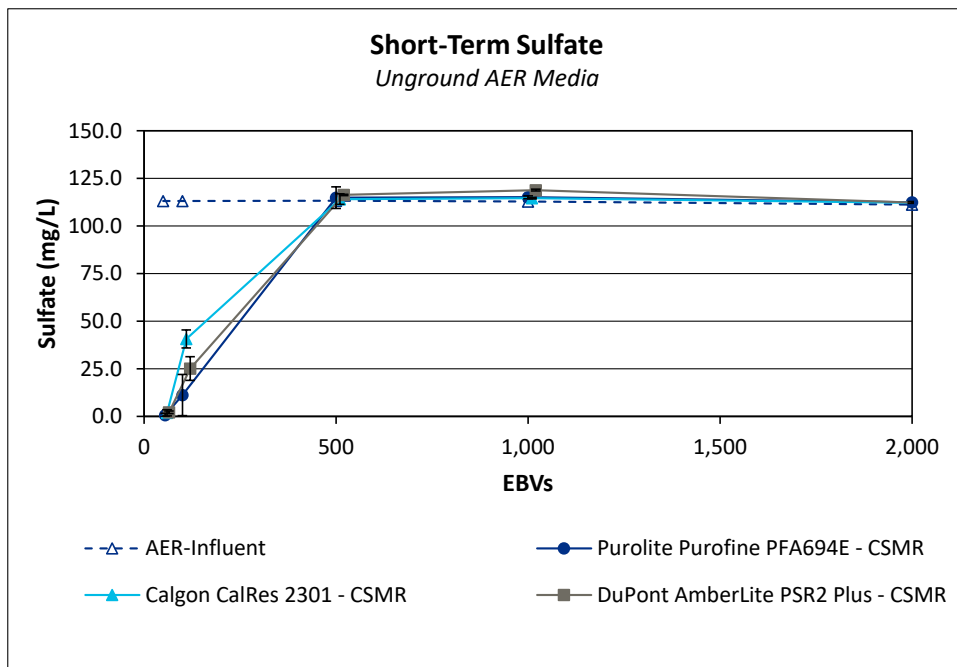


Figure 3 Short-Term pH Changes Immediately Following Start of Chloride-to-Sulfate Mass Ratio Study for Anion Exchange Resin Columns



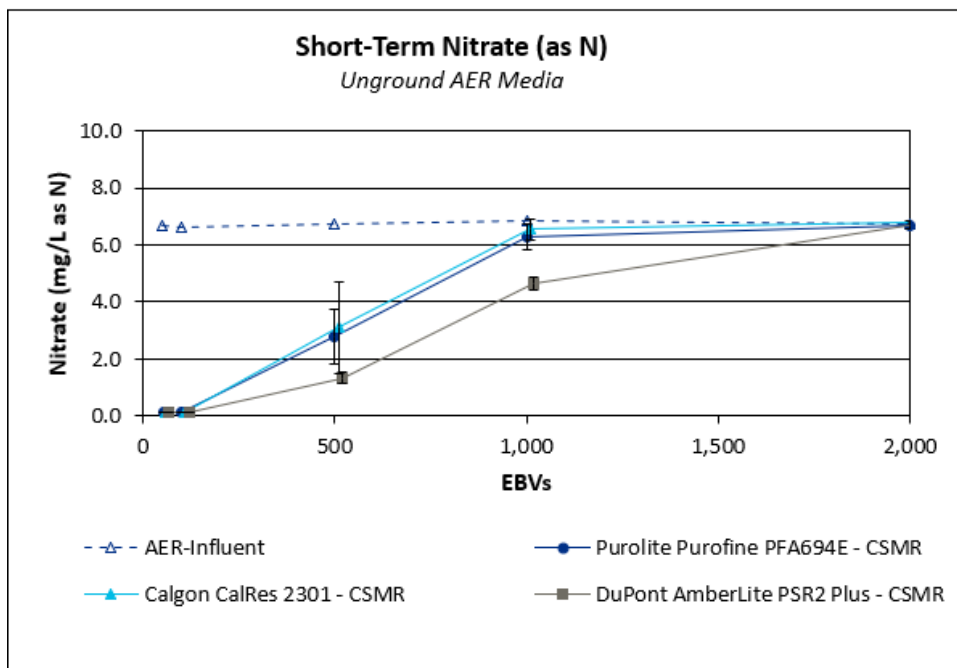
Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals.

Figure 4 Chloride Changes Immediately Following Start of Chloride-to-Sulfate Mass Ratio Study for Anion Exchange Resin Columns



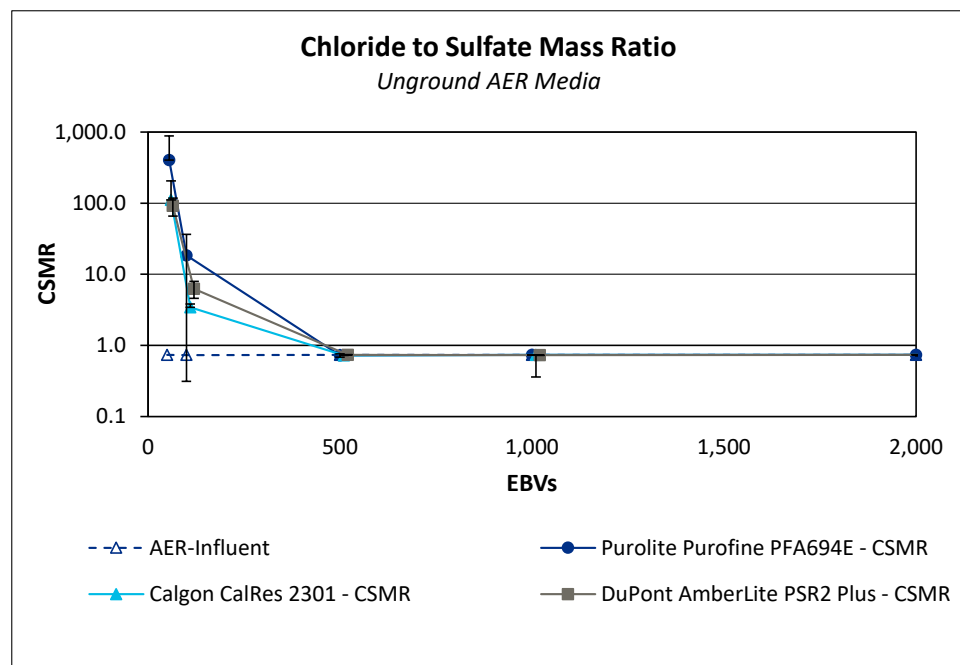
Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals.

Figure 5 Sulfate Changes Immediately Following Start of Chloride-to-Sulfate Mass Ratio Study for Anion Exchange Resin Columns



Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals. Non-detect nitrate values (<0.13 mg/L as N) are plotted as the reporting limit.

Figure 6 Nitrate Changes Immediately Following Start of Chloride-to-Sulfate Mass Ratio Study for Anion Exchange Resin Columns



Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals. Non-detect sulfate values (<0.14 mg/L) were designated as the 0.14 mg/L reporting limit in CSMR calculations.

Figure 7 Chloride-to-Sulfate Mass Ratio Changes Immediately Following Start of Unground Anion Exchange Resin Columns

5.3 Flow Rate, pH, and Anions Monitoring

During operation of the small diameter columns with a 3.5-fold particle reduction (described in **Table 6**), flow rate, pH, and anions concentrations were monitored frequently to assess the operation of the selected media. These parameters are discussed in the following sections.

5.3.1 Flow Rate Monitoring

As shown in **Figure 8**, the target design flow rates for the ground media GAC and control columns (approximately 1.4 ± 0.14 mL/min) were maintained throughout the duration of the experiment. AER-1 (Purolite Purofine PFA694E) ground media columns maintained flow rates within 10% of the target flow rate (4.7 ± 0.47 mL/min) for the full 150,000 EBVs as shown in **Figure 9**. AER-2A (Calgon CalRes 2301 - A) similarly maintained the target flow rate; however, the flow rate through AER-2B (Calgon CalRes 2301 - B) dropped out of the target flow range during the 60,000 EBVs sampling event. The flow through column AER-2B continued to decrease despite attempts at flow rate adjustments and showed signs of severe channeling in the media bed at approximately 75,000 EBVs, signaling significant hydraulic issues. Therefore, the AER-2B column was stopped at approximately 75,000 EBVs and is only applicable to discussions regarding the 30,000 and 60,000 EBVs sampling events. AER-3 columns maintained the target flow range throughout the experiment except for one flow excursion at approximately 40,000 EBVs. At this instance, the flow rate through the AER-3A (DuPont AmberLite PSR2 Plus - A) column was unintentionally adjusted above the target flow rate to 7.3 mL/min and was corrected within 6,200 EBVs. Therefore, the replicated column AER-3B (DuPont AmberLite PSR2 Plus - B) was adjusted to a higher flow rate for a similar number of EBVs (approximately 6,200 EBVs) to account for the different total volume run through the AER-3A column. The flow excursions in AER-3A and AER-3B occurred after the 30,000 EBVs sampling event, and the flows were returned to the target flow rate 15,000 EBVs before the 60,000 E

BVs sampling event. Therefore, the flow excursion is not expected to have any impact on PFAS samples collected during the 60,000 EBVs sampling event.

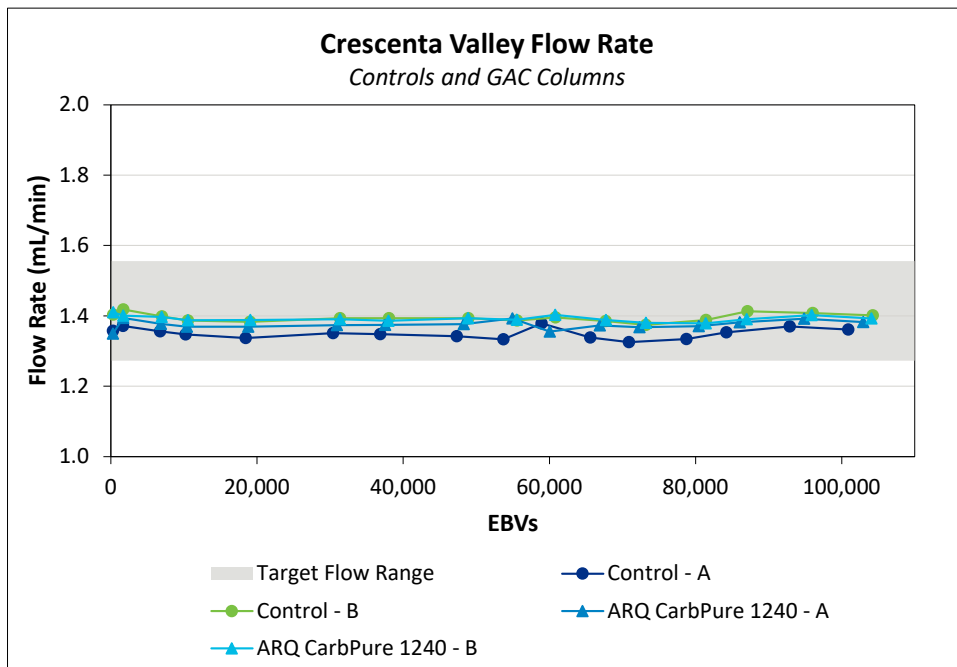
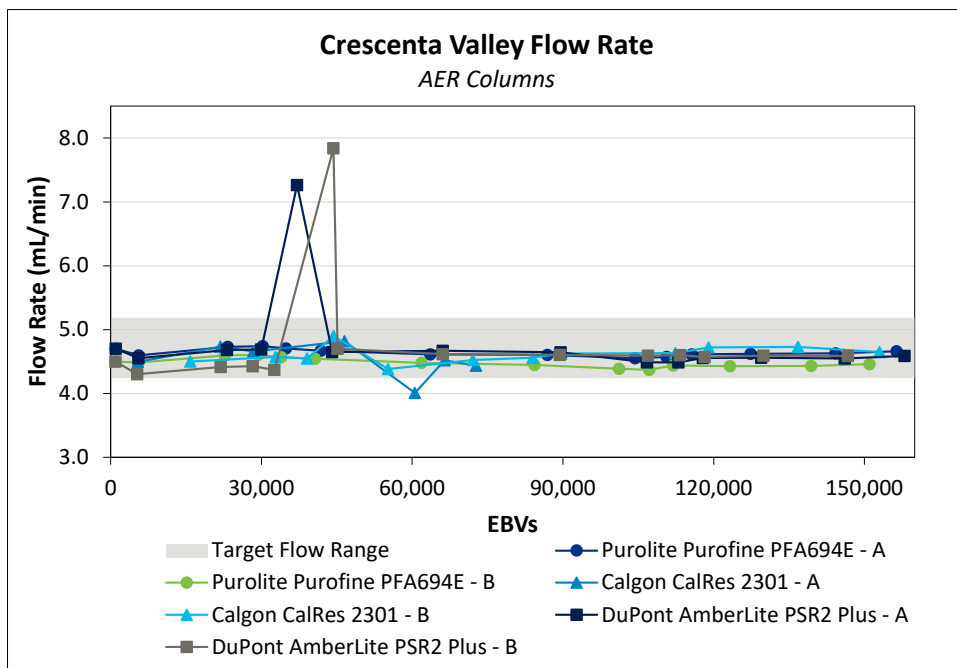


Figure 8 Control and Granular Activated Carbon Column Flow Rates

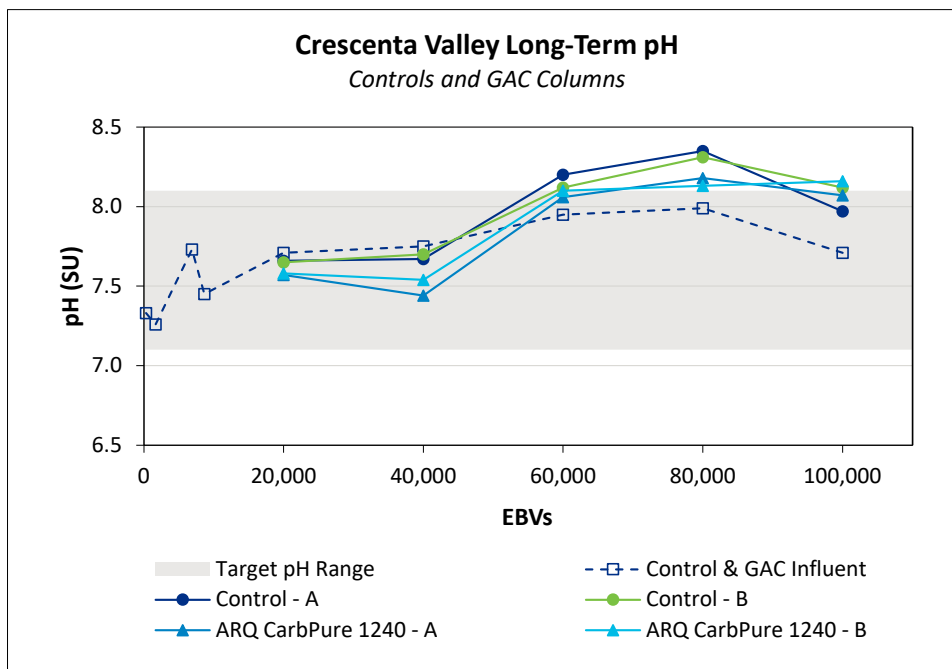


Note: AER-2A (Calgon CalRes 2301) demonstrated a substantial drop in flow at 75,000 EBVs. No further data was collected from this column as the flow rate was unable to be restored. One flow excursion to 7.3 mL/min for AER-3A and 7.9 mL/min for AER-3B is noted after the 30,000 EBVs sampling event. The flow rates were restored to the target flow rate by 45,000 EBVs and, therefore, are not expected to have an impact on samples collected during subsequent sampling events.

Figure 9 Anion Exchange Resin Column Flow Rates

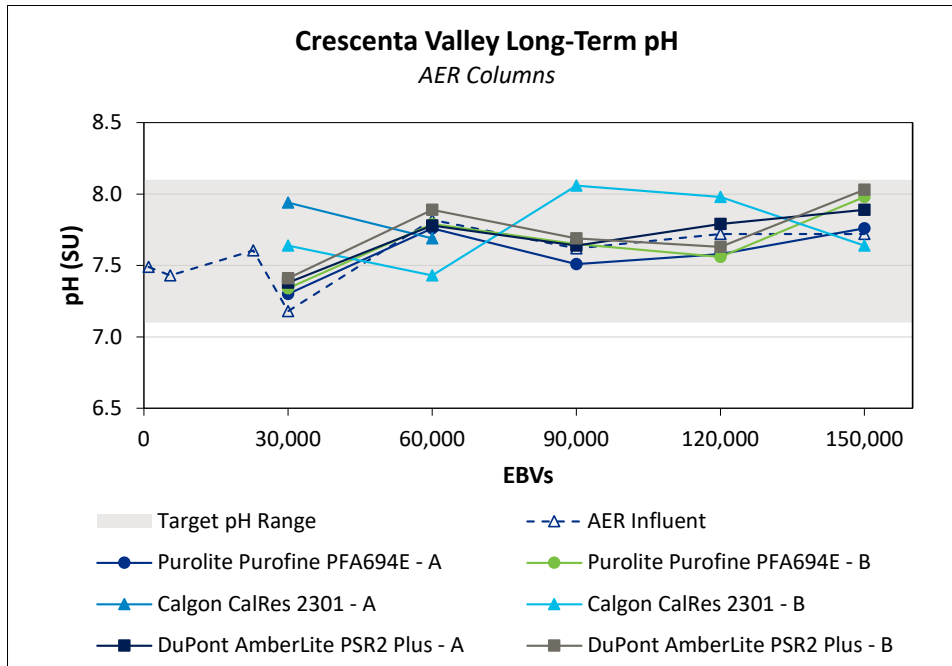
5.3.2 pH Monitoring

All pH shifts in column effluents over the course of the study are documented in **Figure 10** and **Figure 11**. The target pH of 7.6 ± 0.5 SU (based on the pH measured during field collection) was maintained in the influent water over the duration of the experiment. GAC and control effluents remained in the target pH range during the 20,000 and 40,000 EBVs sampling events. A slight pH excursion to approximately 8.2 SU and 8.4 SU was observed in control effluents at the 60,000 and 80,000 EBVs sampling events, respectively. GAC effluents minimally exceeded the target pH range from 60,000 EBVs to the final sampling event. Despite column effluents exceeding the target pH range, the change in pH compared to the influent is insignificant (<0.4 SU) and is not expected to impact results and recommendations. Effluent pH values for all AER columns remained within the target pH range for the duration of the experiment.



Note: GAC and control column effluents slightly exceeded the target pH range of 7.6 ± 0.5 SU from 60,000 through 100,000 EBVs. The difference between influent and effluent pH values is insignificant (<0.4 SU) and, therefore, is not expected to impact results.

Figure 10 Long-Term pH Changes for Granular Activated Carbon and Control Columns

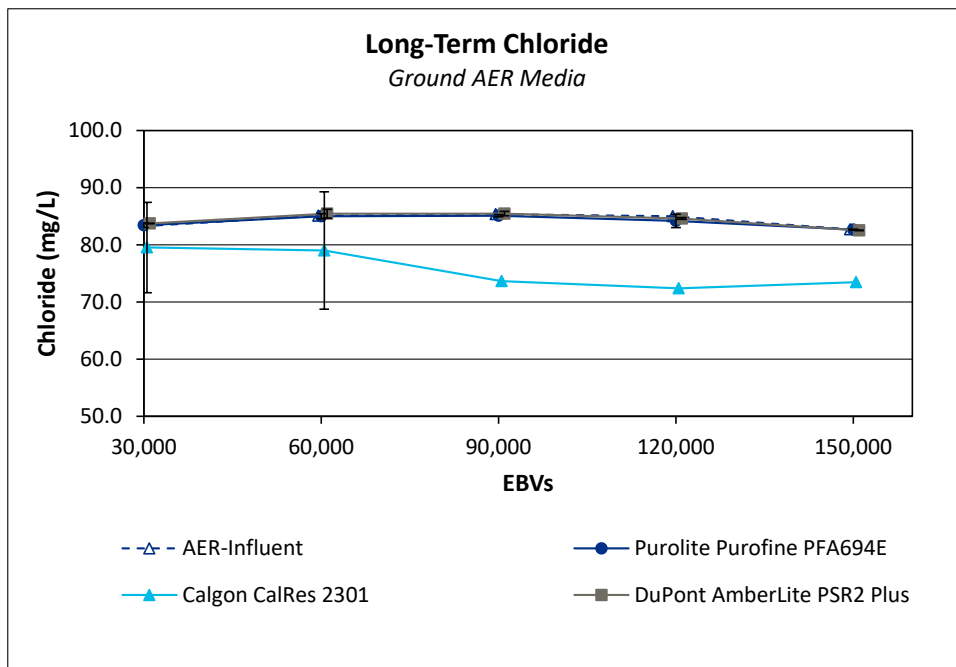


Note: AER-2A (Calgon CalRes 2301 - A) demonstrated substantial hydraulic issues at 75,000 EBVs. No further data was collected from this column as the flow rate was unable to be restored.

Figure 11 Long-Term pH Changes for Anion Exchange Resin Columns

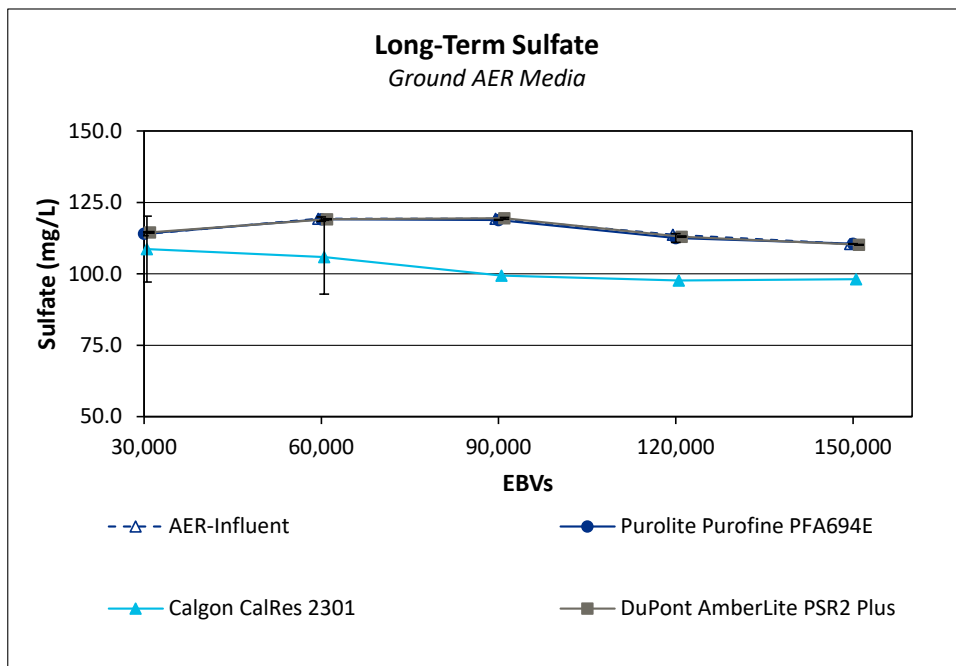
5.3.3 Long-Term Anion Concentrations

Chloride, sulfate, and nitrate concentrations were monitored over the course of the experiment in the AER columns to verify that there were no negative long-term impacts on the CSMR and water quality. It is recognized that changes in CSMR often occur immediately following column start-up operation, which can negatively impact the distribution system's corrosion control characteristics. **Section 5.2** examines the short-term CSMR trends using unground media within the first 2,000 EBVs following column start-up. However, this section reviews the long-term CSMR trend and nitrate concentrations with ground media over the course of the study. **Figure 12**, **Figure 13**, and **Figure 14** provide a visual representation of chloride, sulfate, and nitrate concentrations for AER columns through 150,000 EBVs in comparison to the influent.



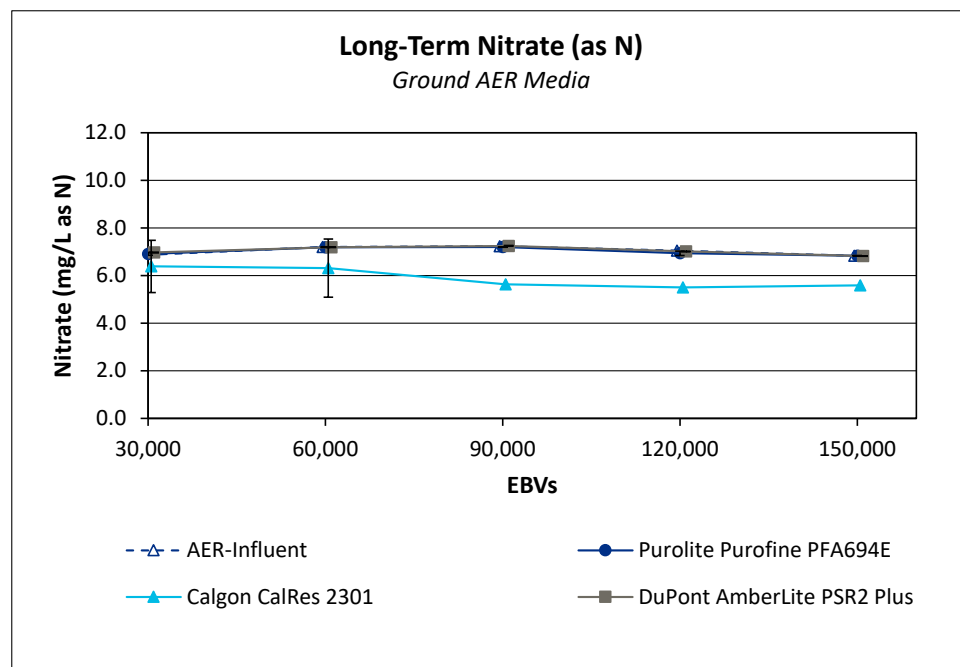
Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals. Column AER-2A was stopped at 75,000 EBVs; therefore, no error bars are present for Calgon CalRes 2301 for the final three time points.

Figure 12 Long-Term Chloride Changes in Anion Exchange Resin Columns



Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals. Column AER-2A was stopped at the 75,000 EBVs; therefore, no error bars are present for Calgon CalRes 2301 for the final three time points.

Figure 13 Long-Term Sulfate Changes in Anion Exchange Resin Columns



Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals. Column AER-2A was stopped 75,000 EBVs; therefore, no error bars are present for Calgon CalRes 2301 for the final three time points.

Figure 14 Long-Term Nitrate Changes in Anion Exchange Resin Columns

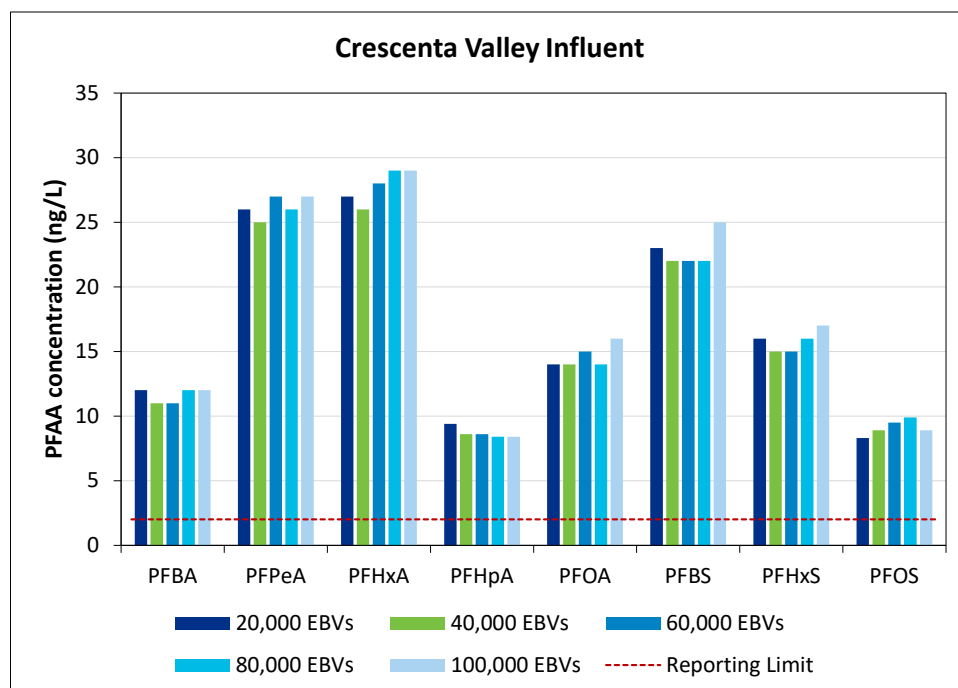
AER-1 and AER-3 effluents remained consistent with the influent concentrations for both chloride and sulfate throughout the experiment, indicating no long-term effects on CSMR from the media and no impact from the experimental system. In all five sampling events, chloride and sulfate effluent concentrations maintained average values of 84 and 120 mg/L, respectively. As a result, the CSMR remained consistent in column effluents between 0.71 and 0.75 for the full 150,000 EBVs. Nitrate similarly was constant in the influent, AER-1, and AER-3 column effluents at an average of 7.0 mg/L as N, which confirms that AER treatment is not likely to result in nitrate increases above the 10 mg/L as N MCL. Chloride and sulfate also remained stable in AER-2 effluents at average values of 76 and 100 mg/L, which is slightly lower than concentrations observed in the influent and other media effluents. Despite these slight differences, the AER-2 effluent CSMR values were congruent with influent CSMR values and remained between 0.73 and 0.75 for the duration of the experiment.

5.4 PFAAs

This section discusses the PFAA removal effectiveness associated with the source water under the different treatment conditions presented in **Table 5**. Results from replicate columns within each test condition are presented as average values with error bars showing the 95% confidence intervals. Non-detect values were plotted as 10% of the laboratory-specific reporting limits. When applicable, laboratory reporting limits are denoted on the figures with a red line. Any value above the detection limit yet below the reporting limit is considered an estimate. **Attachment 3** summarizes all PFAA data. The eight PFAAs detected in the source water during collection and spiked in accordance with **Table 4** are graphically depicted and included in the following discussion.

5.4.1 Influent and Controls

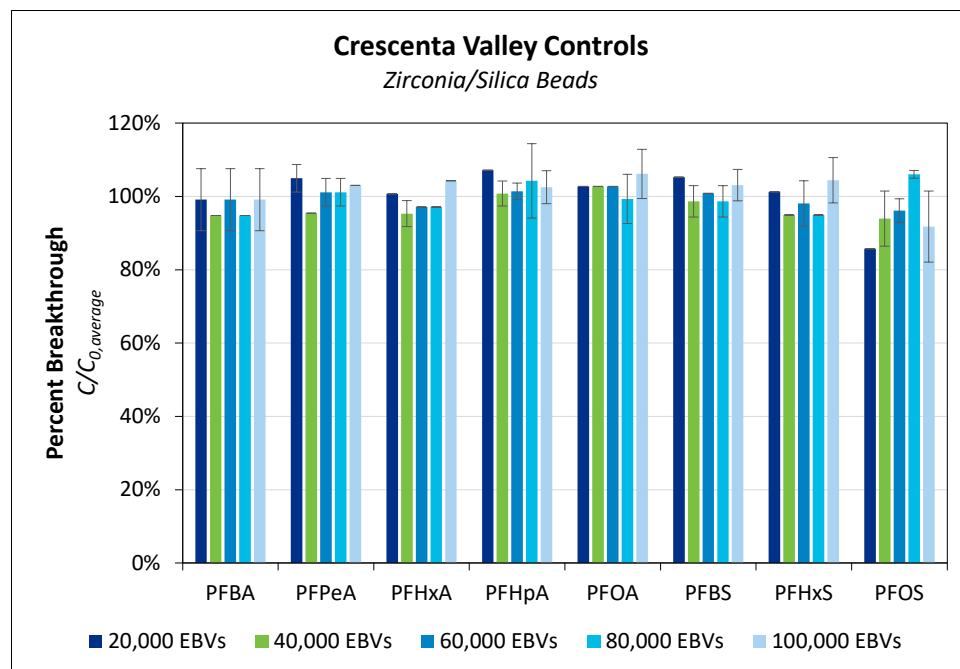
Figure 15 depicts influent PFAA concentrations at each GAC sampling event. Influent concentrations remained consistent for all compounds. While there were slight variations in influent concentrations over the duration of the study, the RPD between the result at each sampling event and the targeted spiked value was no greater than 20% for any compound. The only exception was PFOS at 80,000 EBVs, which had an RPD of 24% compared to the targeted spike value of 7.8 ng/L. While influent samples were collected concurrently with GAC sampling events to capture influent concentrations over a longer experimental duration, these values also reflect expected influent concentrations for AER columns.



Note: EBV collection points are noted in the legend. The 2.0 ng/L reporting limit is plotted in red.

Figure 15 PFAA Influent Concentrations

Figure 16 depicts changes in $C/C_{0,average}$, the ratio between the PFAA concentrations in the control column effluents and those in the average influent across all sampling events, for all five sampling events. Based on these results, no significant changes in $C/C_{0,average}$ were observed over the course of the bench-scale study. $C/C_{0,average}$ values varied by less than 15% over time from the expected 1.0 value, verifying that PFAA removal caused by any component of the experimental system (e.g., column walls, zirconia/silica beads, pump tubing) was negligible. The small error bars (less than $\pm 15\%$) presented in **Figure 16** are indicative of the high level of reproducibility between the two duplicate columns.



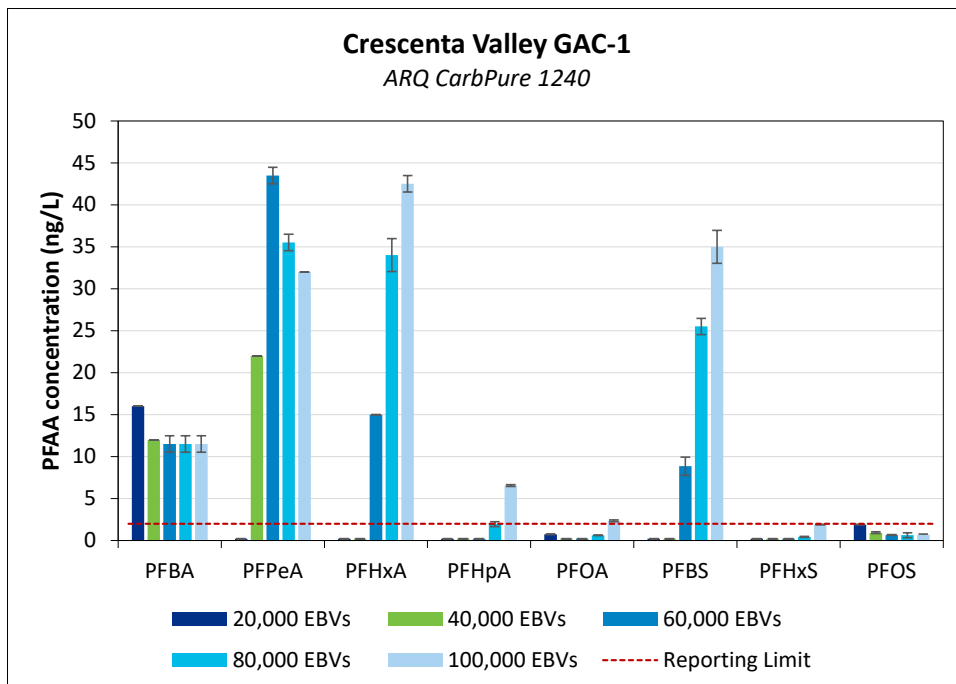
Note: Average results of duplicate columns are shown for the control columns with error bars representing the 95% confidence intervals. EBV collection points are noted in the legend.

Figure 16 PFAA Results in Control Columns

5.4.2 Granular Activated Carbon

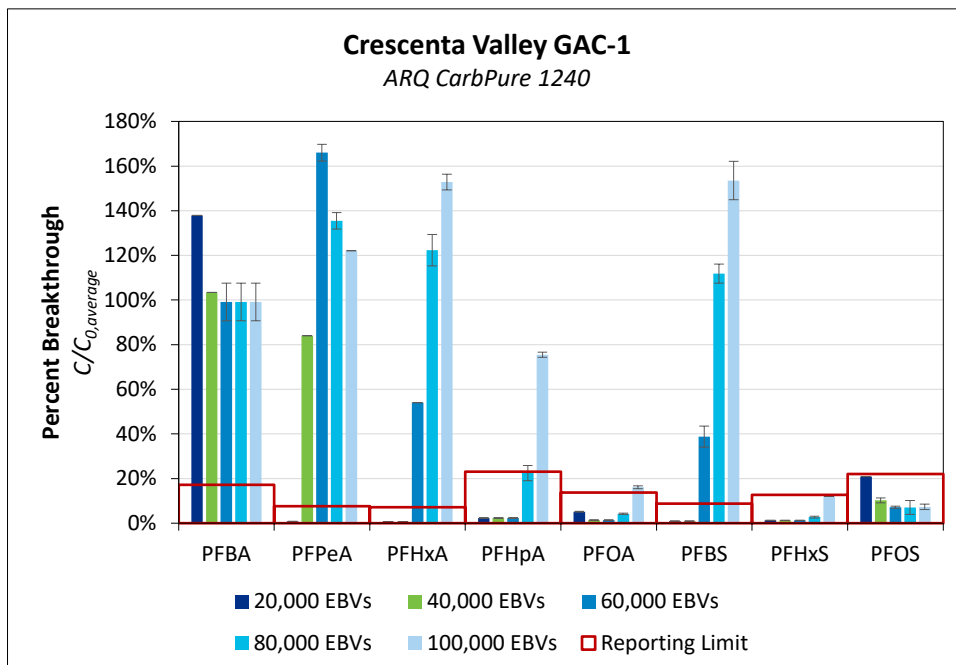
Figure 17 and **Figure 18** summarize and **Attachment 3** tabulates PFAA removal observed during the bench-scale study using the GAC product (ARQ CarbPure 1240). GAC-1 performance is represented both in terms of effluent PFAA concentration and $C/C_{0,average}$ to describe breakthrough of PFAAs over time. An increasing $C/C_{0,average}$ value shows that the detected PFAS concentration in the effluent is increasing and is approaching the influent concentration. As is typical of PFAA adsorption, shorter-chained PFAAs broke through faster than longer-chained counterparts because of their lower hydrophobicity and affinity for GAC. For example, PFPeA broke through columns faster than longer-chained perfluorinated carboxylates such as PFOA. Additionally, faster breakthroughs were observed with the perfluorinated carboxylates than the perfluorinated sulfonates of similar perfluorinated carbon chain length. For example, PFHpA broke through columns faster than PFHxS.

No breakthrough of PFOA above the reporting limit was observed until the final 100,000 EBVs time point, at which only 15% breakthrough was observed. Similarly, PFOS did not exhibit any breakthrough above the 2.0 ng/L reporting limit over the duration of the experiment.



Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals. EBV collection points are noted in the legend. Column performance is expressed in terms of effluent concentration with the 2.0 ng/L reporting limit plotted in red.

Figure 17 PFAA Concentrations in GAC-1 Column Effluents



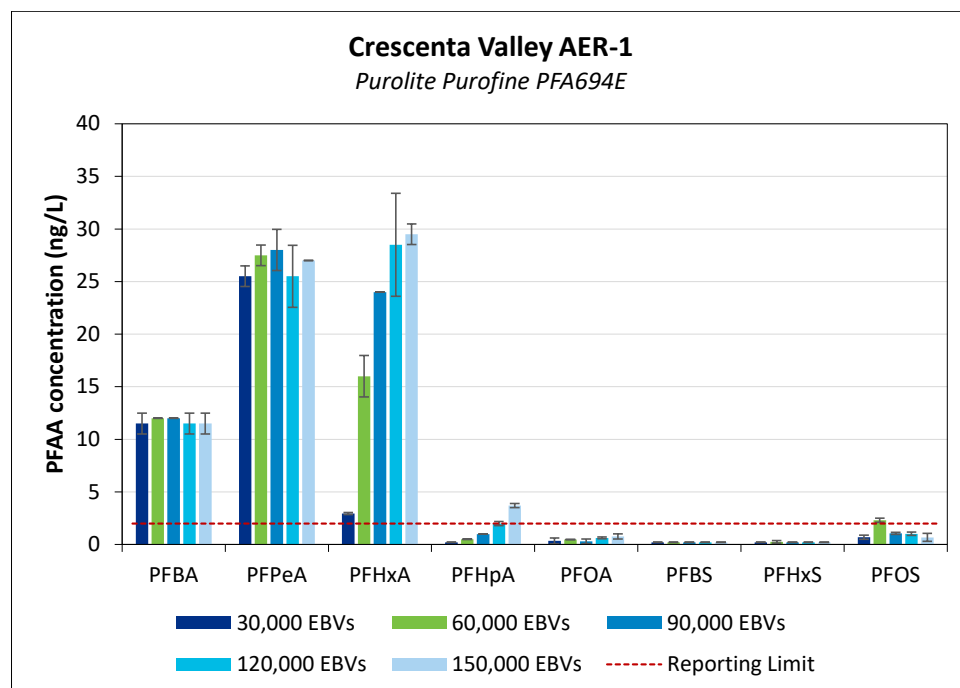
Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals. EBV collection points are noted in the legend. Column performance is expressed in terms of $C/C_{0,average}$ with the normalized reporting limit (analytical reporting limit 2.0 ng/L divided by the average influent concentration for each compound) noted for each compound in red.

Figure 18 PFAA Breakthrough in GAC-1 Columns

5.4.3 Anion Exchange Resin

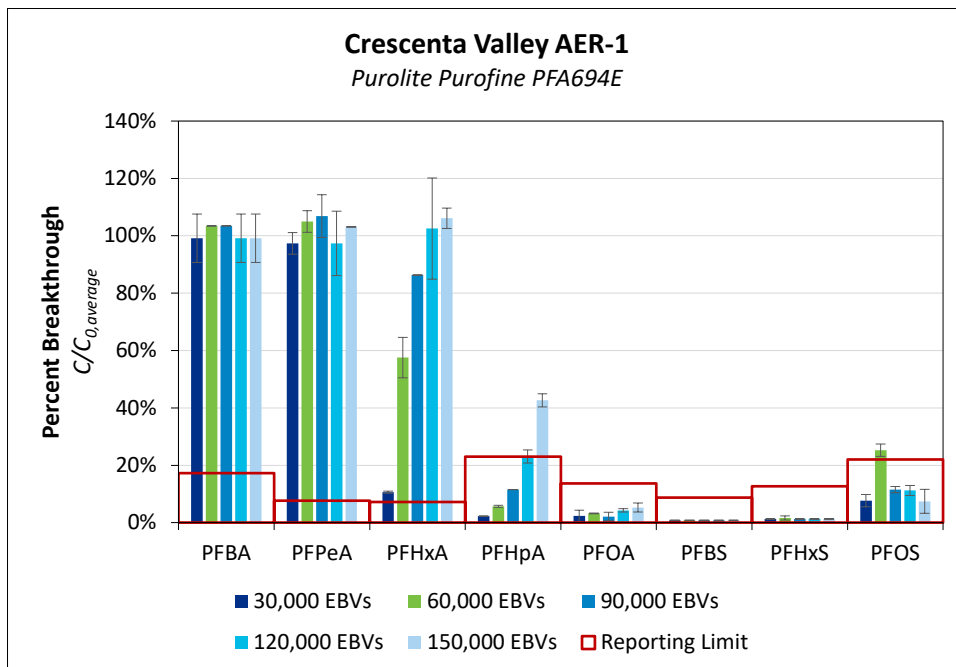
Figure 19 through **Figure 24** summarize and **Attachment 3** tabulates PFAA removal observed during the bench-scale study using the AER-1 (Purolite Purofine PF649E), AER-2 (Calgon CalRes 2301), and AER-3 (DuPont AmberLite PSR2 Plus) media. Each AER medium exhibited similar PFAS treatment trends. As expected, shorter-chained PFAAs broke through faster than the longer-chained counterparts. Additionally, faster breakthroughs were observed with the perfluorinated carboxylates than the perfluorinated sulfonates of similar carbon chain length. For example, measurable breakthrough (43%) was observed for PFHpA in AER-1 column effluents by the 150,000 EBVs sampling event, whereas no detectable breakthrough of PFHxS was observed.

All media treated PFOA effectively with very minimal breakthrough observed by 150,000 EBVs. For AER-1 and AER-3, no PFOA was observed in the effluents above the 2.0 ng/L reporting limit. For the AER-2 column effluents, PFOA was detected in estimated concentrations (above the MDL but below the RL) at 90,000 and 120,000 EBVs and had measurable breakthrough of 16% by 150,000 EBVs. PFOS exhibited no measurable breakthrough for AER-1, AER-2, and AER-3. PFOS was detected in AER-1 and AER-3 column effluents above the reporting limit at 60,000 EBVs; however, this is believed to be an anomalous measurement based on the non-detect values observed in all subsequent sampling events.



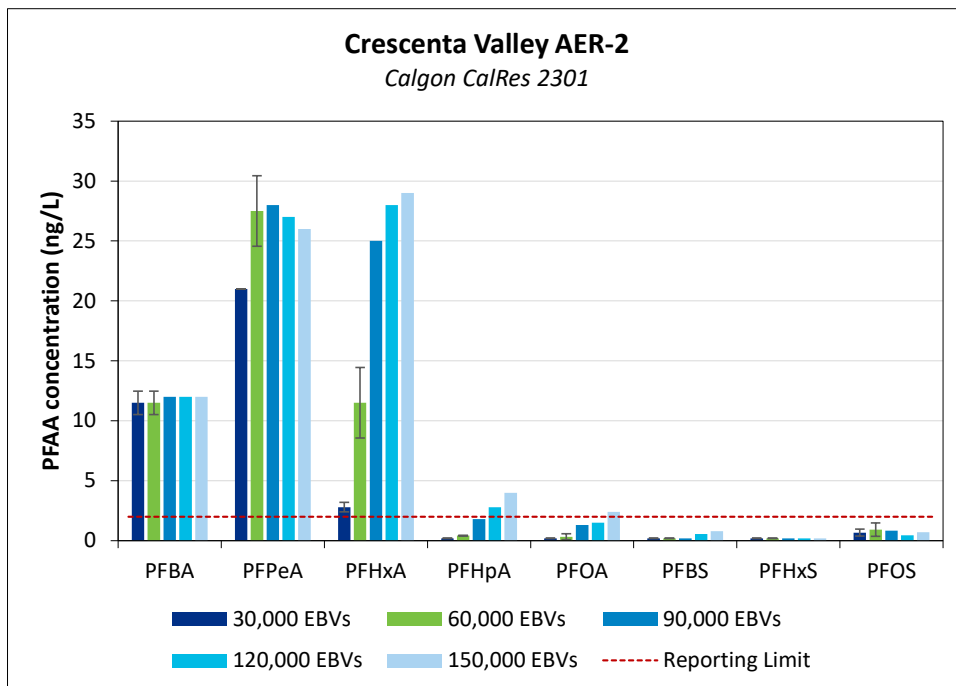
Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals. EBV collection points are noted in the legend. Column performance is expressed in terms of effluent concentration with the 2.0 ng/L reporting limit plotted in red.

Figure 19 PFAA Concentrations in AER-1 Column Effluents



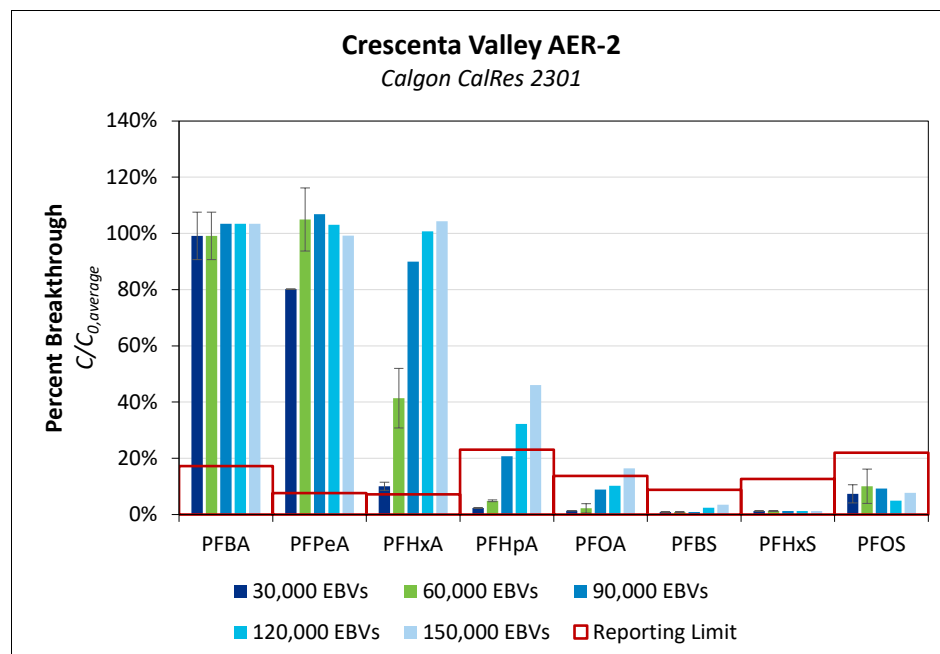
Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals. EBV collection points are noted in the legend. Column performance is expressed in terms of $C/C_{0,average}$ with the normalized reporting limit (analytical reporting limit 2.0 ng/L divided by the average influent concentration for each compound) noted for each compound in red.

Figure 20 PFAA Breakthrough in AER-1 Column Effluents



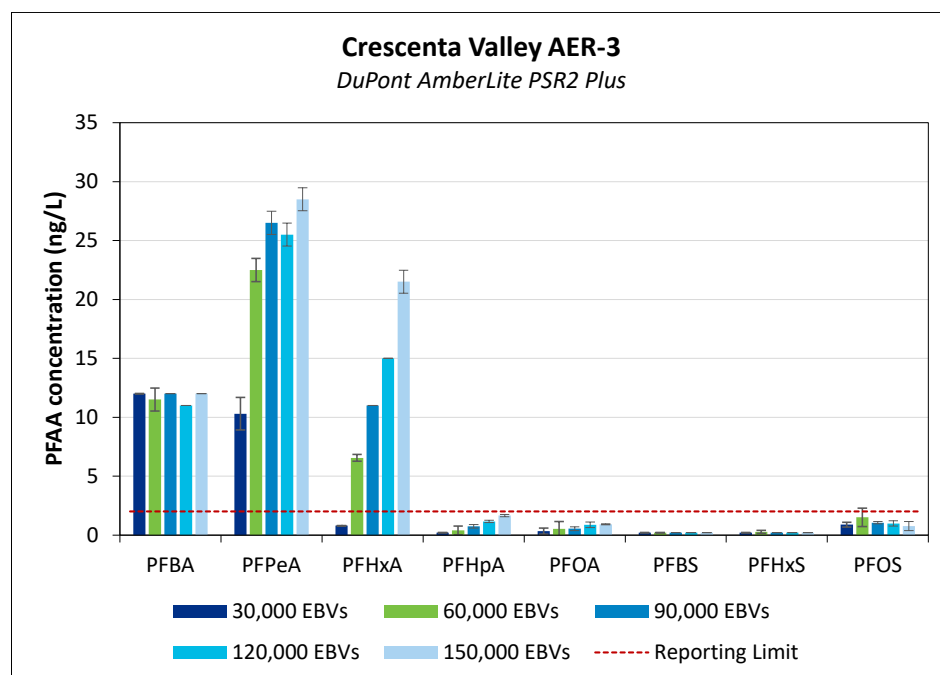
Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals. Column AER-2A was terminated after 60,000 EBVs because of hydraulic issues. EBV collection points are noted in the legend. Column performance is expressed in terms of effluent concentration with the 2.0 ng/L reporting limit plotted in red.

Figure 21 PFAA Concentrations in AER-2 Column Effluents



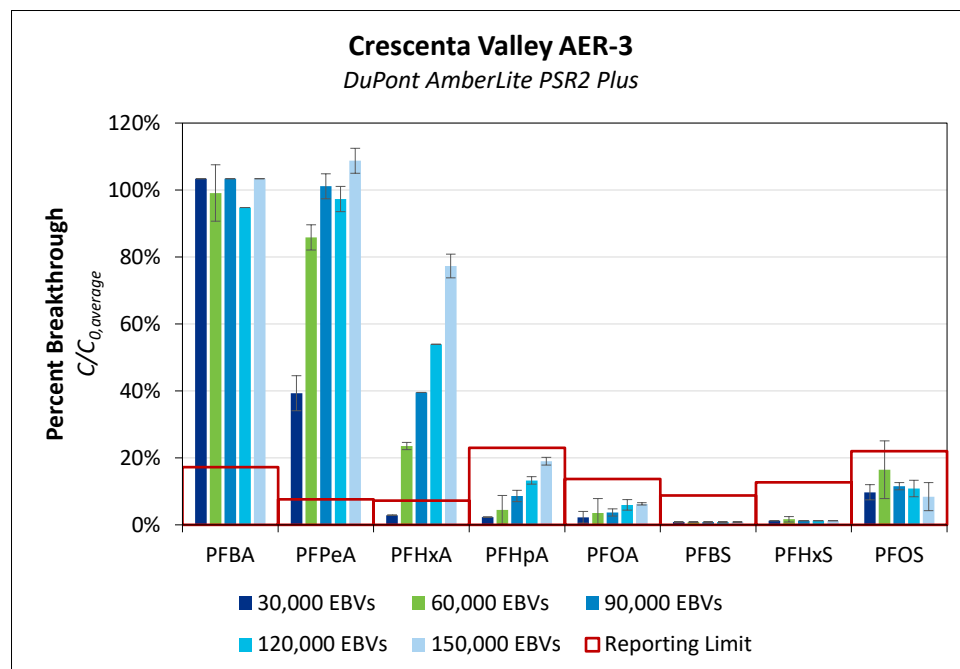
Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals. Column AER-2A was terminated after 60,000 EBVs because of hydraulic issues. EBV collection points are noted in the legend. Column performance is expressed in terms of $C/C_{0,average}$ with the normalized reporting limit (analytical reporting limit 2.0 ng/L divided by the average influent concentration for each compound) noted for each compound in red.

Figure 22 PFAA Breakthrough in AER-2 Column Effluents



Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals. EBV collection points are noted in the legend. Column performance is expressed in terms of effluent concentration with the 2.0 ng/L reporting limit plotted in red.

Figure 23 PFAA Concentrations in AER-3 Column Effluents



Note: Average results of duplicate columns are shown with error bars representing the 95% confidence intervals. EBV collection points are noted in the legend. Column performance is expressed in terms of $C/C_{0,average}$ with the normalized reporting limit (analytical reporting limit 2.0 ng/L divided by the average influent concentration for each compound) noted for each compound in red.

Figure 24 PFAA Breakthrough in AER-3 Column Effluents

6.0 Conclusions

Results in this technical memorandum indicate the following:

- Evaluation of the source water demonstrated that PFAAs can be effectively treated using GAC-1 (ARQ CarbPure 1240). Approximately 15% PFOA breakthrough was observed by 100,000 EBVs, with no measurable breakthrough of PFOS.
- Evaluation of the source water demonstrated that PFAAs can be effectively treated using AER-1 (Purolite Purofine PFA694E), AER-2 (Calgon CalRes 2301), and AER-3 (DuPont AmberLite PSR2 Plus). Calgon CalRes 2301 exhibited PFOA breakthrough of 16% at the 150,000 EBVs sampling event, whereas the other products had no breakthrough of PFOA at the same time point. All products performed similarly with respect to PFOS treatment; no breakthrough of PFOS was observed for any product throughout the duration of the experiment.
- As is typically observed with adsorption technologies, short-chained compounds were not treated as effectively as long-chained counterparts. In addition, perfluorinated sulfonates were treated more effectively than the corresponding perfluorinated carboxylates. These trends were observed for all treatment media tested that had measurable PFAA breakthrough.

- No significant pH change and some arsenic mobilization (2.1 to 5.9 µg/L) was observed in GAC-1-AS column effluent samples collected at 50 and 100 EBVs, but arsenic detections remained below the 10 µg/L MCL. All arsenic mobilization was mitigated to levels under the 1.0 µg/L reporting limit by 500 EBVs. While all arsenic concentrations remained below the 10 µg/L MCL, monitoring of pH and arsenic immediately following commencement of operation should be considered if GAC is selected for pilot- or full-scale implementation.
- No significant changes in pH and transient changes in CSMR were observed in unground AER-1-CSMR, AER-2-CSMR, and AER-3-CSMR columns from start-up up to 2,000 EBVs. For all three treatment media, a 210% to 240% increase in chloride and a 98% to 99% decrease in sulfate were observed at 50 EBVs. For all three AER media, chloride and sulfate concentrations returned to influent levels by 500 EBVs. The CSMR experiment also revealed that all three AER media have an impact on nitrate concentrations immediately following column start-up. Nitrate concentrations in column effluents dropped to non-detect levels (<0.13 mg/L as N) for all column effluents during the first 100 EBVs. AER-1-CSMR and AER-2-CSMR nitrate concentrations returned to influent concentrations by 1,000 EBVs, whereas AER-3-CSMR nitrate concentrations remained suppressed until 2,000 EBVs. Close monitoring of pH and CSMR changes following commencement of operation should be considered if any AER product is selected for pilot- or full-scale implementation. In particular, AER-3 exhibited the highest increase of chloride (120 mg/L above the influent level).
- Except for the aforementioned short-term arsenic release in GAC-1 effluents and CSMR impacts in AER-1, AER-2, and AER-3, no other monitored water-quality parameters exhibited adverse changes because of treatment using the evaluated products.

7.0 Considerations for Pilot- and Full-Scale Treatment

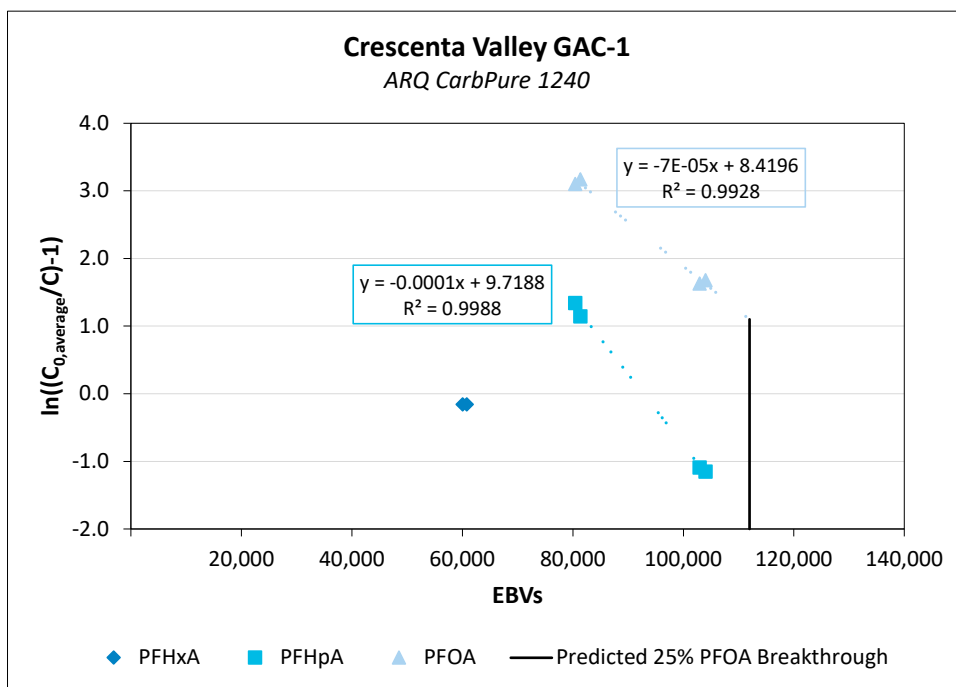
This bench-scale study provided an assessment of the relative effectiveness of one commercially available GAC product and three AER products for the removal of the PFAAs identified in the combined Well 8 and Well 12 source water. Specifically, results provided an estimate of the percentage removal of individual PFAA compounds as a function of EBVs. Of the detected PFAAs in the source water, PFOA and PFOS are of United States federal regulatory concern, with a current MCL of 4.0 ng/L for both PFOA and PFOS. PFOA is expected to break through faster than PFOS. Therefore, PFOA will likely be the driver for media change-out. This section summarizes the considerations for pilot- and full-scale treatment of the plant's water with respect to PFOA breakthrough.

Using data that meets the criteria outlined below, the data can be applied in the linearized Thomas model with appropriate scaling factors (as described in Schaefer et al. [2019, 2020]), and media longevity at the bench-scale can be predicted.

- The reported concentration is above the analytical limit of detection.
- The calculated C/C_0 value is less than 85%.
- The reported concentration is increasing in each subsequent sampling event.
- Estimated values (indicated by a J flag in **Attachment 3**) were used if the value at the following sampling event was above the reporting limit.

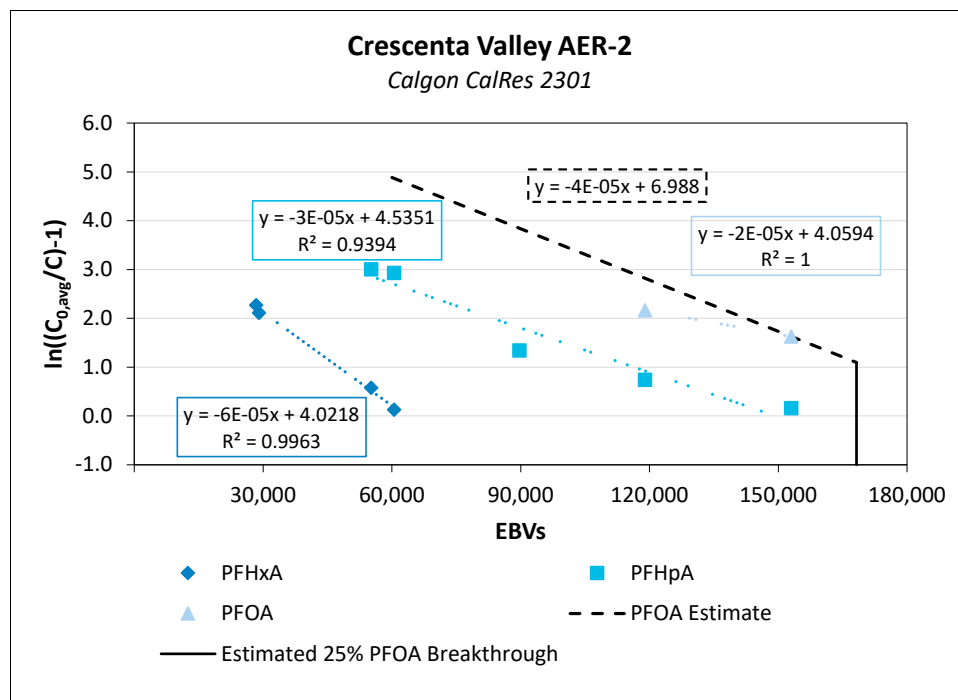
The predicted media longevity presented below needs to be considered within the context of a life cycle analysis to determine the most appropriate approach to PFAA mitigation. While the relative treatment effectiveness can be scaled up with a reasonable level of confidence, particularly when comparing the treatment conditions tested, it is recognized that some uncertainty can arise in the absolute treatment effectiveness (i.e., percentage PFAA removal versus EBVs) because of scaling. It is also recognized that changes in geochemistry and/or the PFAA levels present could potentially impact performance.

Estimated media longevity projections with respect to PFOA breakthrough for the GAC-1 (ARQ CarbPure 1240) are shown in **Figure 25**. Trendlines represent the linearized Thomas model, while vertical lines indicate projected breakthrough points. For AER treatment media, only AER-2 (Calgon CalRes 2301) had a detection of PFOA above the 2.0 ng/L reporting limit. Therefore, out of the AERs tested, a projected breakthrough plot is generated for Calgon CalRes 2301 in **Figure 26**. For AER-2, there is only a single data point for PFOA above the RL. To linearly project (using the Thomas model) 25% PFOA breakthrough in **Figure 26**, the average slope obtained for PFHxA and PFHpA was used to extrapolate the simulated PFOA breakthrough through the detection above the RL. **Error! Reference source not found.** Thus, the estimated 25% PFOA breakthrough should be viewed as a screening estimate only.



Note: Linear regressions represent application of the Thomas model.

Figure 25 Projected PFAA Breakthrough Using GAC-1



Note: Linear regressions represent application of the Thomas model.

Figure 26 Projected PFAA Breakthrough Using AER-2

Because of the lack of PFOA breakthrough observed for Purolite Purofine PFA649E (AER-1) and DuPont AmberLite PSR2 Plus (AER-3), no reasonable estimates for PFOA breakthrough can be determined for these products. However, the lack of PFOA breakthrough indicates that 25% breakthrough will likely occur at a larger number of EBVs compared to AER-2. Applying the linearized Thomas model with appropriate scaling factors (as described in Schaefer et al. [2019, 2020]), predicted breakthroughs for PFOA for unground media (full-scale estimates) are summarized in **Table 10**.

Table 10 Predicted 25% Breakthrough of PFOA in Ground and Unground Products Tested

Column ID	Media	Projected 25% PFOA Breakthrough (EBVs)	
		RSSCT	Full Scale
GAC-1	ARQ CarbPure 1240	112,000	65,900
AER-1	Purolite Purofine PFA649E	>168,000	>98,900
AER-2	Calgon CalRes 2301	168,000	98,900
AER-3	DuPont AmberLite PSR2 Plus	>168,000	>98,900

Key: >—greater than

PFOA, a perfluorinated carboxylate, was detected in the source water at concentrations nearing the federal MCL. Shorter-chained perfluorinated carboxylates, such as PFHxA and PFHpA, will break through faster than PFOA because of the lower hydrophobicity. Therefore, more frequent media change-out will be required if PFHxA becomes regulated by EPA in the future.

8.0 References

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<https://pubs.acs.org/doi/10.1021/acs.iecr.0c02290>.



Attachment 1–Analytical Reports



ANALYTICAL REPORT

PREPARED FOR

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CDM Smith Inc
14432 S.E. Eastgate Way
Suite 100
Bellevue, Washington 98007-6493

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JOB DESCRIPTION

Crescenta Valley RSSCT

JOB NUMBER

380-183494-1

Eurofins Eaton Analytical Pomona

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Definitions/Glossary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: CDM Smith Inc
Project: Crescenta Valley RSSCT

Job ID: 380-183494-1

Job ID: 380-183494-1

Eurofins Eaton Analytical Pomona

Job Narrative 380-183494-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 11/19/2025 9:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C.

Receipt Exceptions

Bottle that is preserved with nitric acid has a pH reading of 6.0
CV-BASELINE (380-183494-1)

HPLC/IC

Method 300_OF_48H_PREC: The following sample was diluted for Nitrite as N to prevent detector saturation due to high conductivity: CV-BASELINE (380-183494-1). Elevated reporting limits (RLs) are provided.

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

Metals

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

General Chemistry

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

Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

Client Sample ID: CV-BASELINE

Lab Sample ID: 380-183494-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	87		1.0	0.029	mg/L	2		300.0	Total/NA
Nitrate as N	8.2		0.10	0.0061	mg/L	2		300.0	Total/NA
Sulfate	120		0.50	0.055	mg/L	2		300.0	Total/NA
Arsenic	0.52	J	1.0	0.25	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

Client Sample ID: CV-BASELINE

Lab Sample ID: 380-183494-1

Date Collected: 11/18/25 09:05

Matrix: Water

Date Received: 11/19/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87		1.0	0.029	mg/L			11/19/25 17:29	2
Nitrate as N	8.2		0.10	0.0061	mg/L			11/19/25 17:29	2
Nitrite as N	ND		0.10	0.0057	mg/L			11/19/25 17:29	2
Sulfate	120		0.50	0.055	mg/L			11/19/25 17:29	2

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Total	ND		0.010	0.0022	mg/L			11/21/25 16:26	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.010	0.0022	mg/L			11/24/25 14:47	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.52	J	1.0	0.25	ug/L			11/21/25 17:26	1
Manganese, Total	ND		2.0	0.41	ug/L			11/21/25 17:26	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese, Dissolved	ND		2.0	0.41	ug/L			11/24/25 14:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	ND		0.030	0.0070	mg/L			11/21/25 16:04	1

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-187412/4

Matrix: Water

Analysis Batch: 187412

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.050	0.0031	mg/L			11/19/25 11:41	1
Nitrite as N	ND		0.050	0.0028	mg/L			11/19/25 11:41	1

Lab Sample ID: LCS 380-187412/6

Matrix: Water

Analysis Batch: 187412

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.50	2.46		mg/L		98	90 - 110
Nitrite as N	1.00	1.05		mg/L		105	90 - 110

Lab Sample ID: LCSD 380-187412/7

Matrix: Water

Analysis Batch: 187412

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	2.50	2.46		mg/L		98	90 - 110	0	20
Nitrite as N	1.00	1.05		mg/L		105	90 - 110	0	20

Lab Sample ID: MRL 380-187412/5

Matrix: Water

Analysis Batch: 187412

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.0500	0.0533		mg/L		107	50 - 150
Nitrite as N	0.0500	0.0486	J	mg/L		97	50 - 150

Lab Sample ID: MB 380-187413/4

Matrix: Water

Analysis Batch: 187413

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.015	mg/L			11/19/25 11:41	1
Sulfate	ND		0.25	0.027	mg/L			11/19/25 11:41	1

Lab Sample ID: LCS 380-187413/6

Matrix: Water

Analysis Batch: 187413

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	25.6		mg/L		103	90 - 110
Sulfate	50.0	51.6		mg/L		103	90 - 110

Lab Sample ID: LCSD 380-187413/7

Matrix: Water

Analysis Batch: 187413

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	25.0	25.6		mg/L		102	90 - 110	0	20
Sulfate	50.0	51.4		mg/L		103	90 - 110	0	20

Eurofins Eaton Analytical Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MRL 380-187413/5

Matrix: Water

Analysis Batch: 187413

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.464	J	mg/L		93	50 - 150
Sulfate	0.250	0.253		mg/L		101	50 - 150

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MBL 380-188045/111

Matrix: Water

Analysis Batch: 188045

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Total	ND		0.010	0.0022	mg/L			11/21/25 15:58	1

Lab Sample ID: LCS 380-188045/113

Matrix: Water

Analysis Batch: 188045

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Total	5.00	5.06		mg/L		101	85 - 115

Lab Sample ID: LCSD 380-188045/114

Matrix: Water

Analysis Batch: 188045

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron, Total	5.00	5.12		mg/L		102	85 - 115	1	20

Lab Sample ID: LLCS 380-188045/112

Matrix: Water

Analysis Batch: 188045

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Total	0.0100	0.00996	J	mg/L		100	50 - 150

Lab Sample ID: MBL 380-188399/90

Matrix: Water

Analysis Batch: 188399

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.010	0.0022	mg/L			11/24/25 14:05	1

Lab Sample ID: LCS 380-188399/92

Matrix: Water

Analysis Batch: 188399

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	5.00	5.02		mg/L		100	85 - 115

Eurofins Eaton Analytical Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCSD 380-188399/93

Matrix: Water

Analysis Batch: 188399

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron, Dissolved	5.00	5.03		mg/L		101	85 - 115	0	20

Lab Sample ID: LLCS 380-188399/91

Matrix: Water

Analysis Batch: 188399

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron, Dissolved	0.0100	0.0101		mg/L		101	50 - 150		

Lab Sample ID: MBL 380-188134/1-A

Matrix: Water

Analysis Batch: 188399

Client Sample ID: Method Blank

Prep Type: Dissolved

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.010	0.0022	mg/L			11/24/25 14:28	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 380-188110/121

Matrix: Water

Analysis Batch: 188110

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.25	ug/L			11/21/25 15:57	1
Manganese, Total	ND		2.0	0.41	ug/L			11/21/25 15:57	1

Lab Sample ID: LCS 380-188110/123

Matrix: Water

Analysis Batch: 188110

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	50.0	50.0		ug/L		100	85 - 115		
Manganese, Total	50.0	48.3		ug/L		97	85 - 115		

Lab Sample ID: LCSD 380-188110/124

Matrix: Water

Analysis Batch: 188110

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	50.0	49.7		ug/L		99	85 - 115	1	20
Manganese, Total	50.0	48.2		ug/L		96	85 - 115	0	20

Lab Sample ID: LLCS 380-188110/122

Matrix: Water

Analysis Batch: 188110

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	1.00	1.04		ug/L		104	50 - 150		
Manganese, Total	2.00	1.93	J	ug/L		97	50 - 150		

Eurofins Eaton Analytical Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: MBL 380-188495/68
Matrix: Water
Analysis Batch: 188495

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

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese, Dissolved	ND		2.0	0.41	ug/L			11/24/25 13:46	1

Lab Sample ID: LCS 380-188495/70
Matrix: Water
Analysis Batch: 188495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese, Dissolved	50.0	50.5		ug/L		101	85 - 115

Lab Sample ID: LCSD 380-188495/71
Matrix: Water
Analysis Batch: 188495

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese, Dissolved	50.0	50.6		ug/L		101	85 - 115	0	20

Lab Sample ID: LLCS 380-188495/69
Matrix: Water
Analysis Batch: 188495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese, Dissolved	2.00	2.04		ug/L		102	50 - 150

Lab Sample ID: MBL 380-188134/2-A
Matrix: Water
Analysis Batch: 188495

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese, Dissolved	ND		2.0	0.41	ug/L			11/24/25 14:11	1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 380-188039/107
Matrix: Water
Analysis Batch: 188039

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.030	0.0070	mg/L			11/21/25 15:36	1

Lab Sample ID: LCS 380-188039/109
Matrix: Water
Analysis Batch: 188039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	1.00		mg/L		100	90 - 110

Eurofins Eaton Analytical Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCSD 380-188039/110

Matrix: Water

Analysis Batch: 188039

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	1.00	0.953		mg/L		95	90 - 110	5	10

Lab Sample ID: MRL 380-188039/108

Matrix: Water

Analysis Batch: 188039

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia	0.0300	0.0281	J	mg/L		94	50 - 150		

Lab Sample ID: MRL 380-188039/76

Matrix: Water

Analysis Batch: 188039

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia	0.0300	0.0296	J	mg/L		99	50 - 150		

Lab Sample ID: 380-183494-1 MS

Matrix: Water

Analysis Batch: 188039

Client Sample ID: CV-BASELINE

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia	ND		1.00	0.994		mg/L		99	90 - 110		

Lab Sample ID: 380-183494-1 MSD

Matrix: Water

Analysis Batch: 188039

Client Sample ID: CV-BASELINE

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	ND		1.00	1.01		mg/L		101	90 - 110	2	10

QC Association Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

HPLC/IC

Analysis Batch: 187412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-183494-1	CV-BASELINE	Total/NA	Water	300.0	
MB 380-187412/4	Method Blank	Total/NA	Water	300.0	
LCS 380-187412/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-187412/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-187412/5	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 187413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-183494-1	CV-BASELINE	Total/NA	Water	300.0	
MB 380-187413/4	Method Blank	Total/NA	Water	300.0	
LCS 380-187413/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-187413/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-187413/5	Lab Control Sample	Total/NA	Water	300.0	

Metals

Analysis Batch: 188045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-183494-1	CV-BASELINE	Total/NA	Water	200.7 Rev 4.4	
MBL 380-188045/111	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 380-188045/113	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LCSD 380-188045/114	Lab Control Sample Dup	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-188045/112	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 188110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-183494-1	CV-BASELINE	Total/NA	Water	200.8	
MBL 380-188110/121	Method Blank	Total/NA	Water	200.8	
LCS 380-188110/123	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-188110/124	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-188110/122	Lab Control Sample	Total/NA	Water	200.8	

Filtration Batch: 188134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-183494-1	CV-BASELINE	Dissolved	Water	Filtration	
MBL 380-188134/1-A	Method Blank	Dissolved	Water	Filtration	
MBL 380-188134/2-A	Method Blank	Dissolved	Water	Filtration	

Analysis Batch: 188399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-183494-1	CV-BASELINE	Dissolved	Water	200.7 Rev 4.4	188134
MBL 380-188134/1-A	Method Blank	Dissolved	Water	200.7 Rev 4.4	188134
MBL 380-188399/90	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 380-188399/92	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LCSD 380-188399/93	Lab Control Sample Dup	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-188399/91	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 188495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-183494-1	CV-BASELINE	Dissolved	Water	200.8	188134
MBL 380-188134/2-A	Method Blank	Dissolved	Water	200.8	188134

Eurofins Eaton Analytical Pomona

QC Association Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

Metals (Continued)

Analysis Batch: 188495 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MBL 380-188495/68	Method Blank	Total/NA	Water	200.8	
LCS 380-188495/70	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-188495/71	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-188495/69	Lab Control Sample	Total/NA	Water	200.8	

General Chemistry

Analysis Batch: 188039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-183494-1	CV-BASELINE	Total/NA	Water	350.1	
MB 380-188039/107	Method Blank	Total/NA	Water	350.1	
LCS 380-188039/109	Lab Control Sample	Total/NA	Water	350.1	
LCSD 380-188039/110	Lab Control Sample Dup	Total/NA	Water	350.1	
MRL 380-188039/108	Lab Control Sample	Total/NA	Water	350.1	
MRL 380-188039/76	Lab Control Sample	Total/NA	Water	350.1	
380-183494-1 MS	CV-BASELINE	Total/NA	Water	350.1	
380-183494-1 MSD	CV-BASELINE	Total/NA	Water	350.1	

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

Client Sample ID: CV-BASELINE

Lab Sample ID: 380-183494-1

Date Collected: 11/18/25 09:05

Matrix: Water

Date Received: 11/19/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		2	187412	DXD4	EA POM	11/19/25 17:29
Total/NA	Analysis	300.0		2	187413	DXD4	EA POM	11/19/25 17:29
Dissolved	Filtration	Filtration			188134	BG6L	EA POM	11/22/25 13:21
Dissolved	Analysis	200.7 Rev 4.4		1	188399	MF7S	EA POM	11/24/25 14:47
Total/NA	Analysis	200.7 Rev 4.4		1	188045	MF7S	EA POM	11/21/25 16:26
Dissolved	Filtration	Filtration			188134	BG6L	EA POM	11/22/25 13:21
Dissolved	Analysis	200.8		1	188495	T8BB	EA POM	11/24/25 14:29
Total/NA	Analysis	200.8		1	188110	T8BB	EA POM	11/21/25 17:26
Total/NA	Analysis	350.1		1	188039	D5MQ	EA POM	11/21/25 16:04

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

Laboratory: Eurofins Eaton Analytical Pomona

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11320	04-01-26
Utah	NELAP	CA00006	01-31-26

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

Analysis Method	Prep Method	Matrix	Analyte
350.1		Water	Ammonia

Method Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EA POM
200.7 Rev 4.4	Metals (ICP)	EPA	EA POM
200.8	Metals (ICP/MS)	EPA	EA POM
350.1	Nitrogen, Ammonia	EPA	EA POM
Filtration	Sample Filtration	None	EA POM
None	Autocomplete Prep - Metals - No Digestion required	None	EA POM

Protocol References:

EPA = US Environmental Protection Agency
None = None

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183494-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-183494-1	CV-BASELINE	Water	11/18/25 09:05	11/19/25 09:50	Washington

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Ver- 05/06/2024

Login Sample Receipt Checklist

Client: CDM Smith Inc

Job Number: 380-183494-1

Login Number: 183494

List Number: 1

Creator: Segura, Ryan

List Source: Eurofins Eaton Analytical Pomona

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Container provided by EEA	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Julie Devon
CDM Smith Inc
14432 S.E. Eastgate Way
Suite 100
Bellevue, Washington 98007-6493

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JOB DESCRIPTION

Crescenta Valley RSSCT

JOB NUMBER

380-183832-1

Eurofins Eaton Analytical Pomona

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Eaton Analytical, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.
(DW, Water matrices)

Authorization



Authorized for release by
Christine Novshadayan, Project Manager
Christine.Novshadayan@et.eurofinsus.com
(626)386-1100

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Definitions/Glossary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: CDM Smith Inc
Project: Crescenta Valley RSSCT

Job ID: 380-183832-1

Job ID: 380-183832-1

Eurofins Eaton Analytical Pomona

Job Narrative 380-183832-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 11/19/2025 9:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C.

PFAS

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

Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

Client Sample ID: CV-BASELINE

Lab Sample ID: 380-183832-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	5.2		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.9	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.5		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	6.2		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.9	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	3.3		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	3.0		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	6.1		2.0	0.38	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.86	J	2.0	0.39	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

Client Sample ID: CV-BASELINE

Lab Sample ID: 380-183832-1

Date Collected: 11/18/25 09:05

Matrix: Water

Date Received: 11/19/25 09:50

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		11/25/25 15:18	11/26/25 10:38	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		11/25/25 15:18	11/26/25 10:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		11/25/25 15:18	11/26/25 10:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluorobutanesulfonic acid (PFBS)	5.2		2.0	0.37	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluoroheptanoic acid (PFHpA)	1.9 J		2.0	0.39	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluorohexanesulfonic acid (PFHxS)	3.5		2.0	0.32	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluorohexanoic acid (PFHxA)	6.2		2.0	0.46	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluorooctanesulfonic acid (PFOS)	1.9 J		2.0	0.43	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluorooctanoic acid (PFOA)	3.3		2.0	0.38	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluorobutanoic acid (PFBA)	3.0		2.0	0.69	ng/L		11/25/25 15:18	11/26/25 10:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		11/25/25 15:18	11/26/25 10:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		11/25/25 15:18	11/26/25 10:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		11/25/25 15:18	11/26/25 10:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluoropentanoic acid (PFPeA)	6.1		2.0	0.38	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		11/25/25 15:18	11/26/25 10:38	1
Perfluoropentanesulfonic acid (PFPeS)	0.86 J		2.0	0.39	ng/L		11/25/25 15:18	11/26/25 10:38	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	107		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C6 PFDA	120		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C5 PFHxA	110		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C4 PFHpA	107		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C8 PFOA	110		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C9 PFNA	116		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C7 PFUnA	117		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C2 PFDoA	120		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C4 PFBA	108		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C5 PFPeA	109		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C3 PFBS	106		50 - 200	11/25/25 15:18	11/26/25 10:38	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

Client Sample ID: CV-BASELINE

Lab Sample ID: 380-183832-1

Date Collected: 11/18/25 09:05

Matrix: Water

Date Received: 11/19/25 09:50

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C3 PFHxS	106		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C8 PFOS	109		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C2-4:2-FTS	119		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C2-6:2-FTS	117		50 - 200	11/25/25 15:18	11/26/25 10:38	1
13C2-8:2-FTS	121		50 - 200	11/25/25 15:18	11/26/25 10:38	1

Isotope Dilution Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFDaA (50-200)
380-183832-1	CV-BASELINE	107	120	110	107	110	116	117	120
LCS 380-188601/22-A	Lab Control Sample	105	112	107	106	107	112	113	113
MBL 380-188601/20-A	Method Blank	95	109	102	97	101	104	106	110
MRL 380-188601/21-A	Lab Control Sample	95	111	100	104	111	110	107	119

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (50-200)	PFPeA (50-200)	C3PFBS (50-200)	C3PFHS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)
380-183832-1	CV-BASELINE	108	109	106	106	109	119	117	121
LCS 380-188601/22-A	Lab Control Sample	101	102	105	104	106	112	109	107
MBL 380-188601/20-A	Method Blank	99	92	106	101	106	109	104	106
MRL 380-188601/21-A	Lab Control Sample	94	96	110	107	111	134	129	123

Surrogate Legend

HFPODA = 13C3 HFPO-DA
C6PFDA = 13C6 PFDA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
13C7PUA = 13C7 PFUnA
PFDaA = 13C2 PFDaA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
42FTS = 13C2-4:2-FTS
62FTS = 13C2-6:2-FTS
82FTS = 13C2-8:2-FTS

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Lab Sample ID: MBL 380-188601/20-A

Matrix: Water

Analysis Batch: 188789

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 188601

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		11/25/25 15:18	11/26/25 11:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		11/25/25 15:18	11/26/25 11:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		11/25/25 15:18	11/26/25 11:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.43	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluorobutanoic acid (PFBA)	ND		2.0	0.69	ng/L		11/25/25 15:18	11/26/25 11:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		11/25/25 15:18	11/26/25 11:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		11/25/25 15:18	11/26/25 11:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		11/25/25 15:18	11/26/25 11:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		11/25/25 15:18	11/26/25 11:00	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		11/25/25 15:18	11/26/25 11:00	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	95		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C6 PFDA	109		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C5 PFHxA	102		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C4 PFHpA	97		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C8 PFOA	101		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C9 PFNA	104		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C7 PFUnA	106		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C2 PFDoA	110		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C4 PFBA	99		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C5 PFPeA	92		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C3 PFBS	106		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C3 PFHxS	101		50 - 200	11/25/25 15:18	11/26/25 11:00	1

Eurofins Eaton Analytical Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 380-188601/20-A

Matrix: Water

Analysis Batch: 188789

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 188601

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	106		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C2-4:2-FTS	109		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C2-6:2-FTS	104		50 - 200	11/25/25 15:18	11/26/25 11:00	1
13C2-8:2-FTS	106		50 - 200	11/25/25 15:18	11/26/25 11:00	1

Lab Sample ID: LCS 380-188601/22-A

Matrix: Water

Analysis Batch: 188789

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 188601

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	120	115		ng/L		95	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	120	117		ng/L		97	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	120	124		ng/L		103	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	120	117		ng/L		97	70 - 130
Perfluorobutanesulfonic acid (PFBS)	120	120		ng/L		100	70 - 130
Perfluorodecanoic acid (PFDA)	120	115		ng/L		95	70 - 130
Perfluorododecanoic acid (PFDoA)	120	116		ng/L		96	70 - 130
Perfluoroheptanoic acid (PFHpA)	120	118		ng/L		98	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	120	113		ng/L		94	70 - 130
Perfluorohexanoic acid (PFHxA)	120	116		ng/L		97	70 - 130
Perfluorononanoic acid (PFNA)	120	116		ng/L		96	70 - 130
Perfluorooctanesulfonic acid (PFOS)	120	118		ng/L		98	70 - 130
Perfluorooctanoic acid (PFOA)	120	120		ng/L		99	70 - 130
Perfluoroundecanoic acid (PFUnA)	120	119		ng/L		99	70 - 130
Perfluorobutanoic acid (PFBA)	120	115		ng/L		96	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	120	126		ng/L		105	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	120	128		ng/L		106	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120	128		ng/L		106	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	120	120		ng/L		100	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	120	119		ng/L		99	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	120	119		ng/L		99	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	120	120		ng/L		100	70 - 130
Perfluoropentanoic acid (PFPeA)	120	120		ng/L		100	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	120	123		ng/L		102	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-188601/22-A

Matrix: Water

Analysis Batch: 188789

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 188601

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	120	115		ng/L		96	70 - 130
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>LCS</i>	<i>Qualifier</i>	<i>Limits</i>			
13C3 HFPO-DA	105			50 - 200			
13C6 PFDA	112			50 - 200			
13C5 PFHxA	107			50 - 200			
13C4 PFHpA	106			50 - 200			
13C8 PFOA	107			50 - 200			
13C9 PFNA	112			50 - 200			
13C7 PFUnA	113			50 - 200			
13C2 PFDoA	113			50 - 200			
13C4 PFBA	101			50 - 200			
13C5 PFPeA	102			50 - 200			
13C3 PFBS	105			50 - 200			
13C3 PFHxS	104			50 - 200			
13C8 PFOS	106			50 - 200			
13C2-4:2-FTS	112			50 - 200			
13C2-6:2-FTS	109			50 - 200			
13C2-8:2-FTS	107			50 - 200			

Lab Sample ID: MRL 380-188601/21-A

Matrix: Water

Analysis Batch: 188789

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 188601

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.00	1.81	J	ng/L		90	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.00	1.92	J	ng/L		96	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.00	2.09		ng/L		104	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.00	2.09		ng/L		105	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.00	2.10		ng/L		105	50 - 150
Perfluorodecanoic acid (PFDA)	2.00	2.04		ng/L		102	50 - 150
Perfluorododecanoic acid (PFDoA)	2.00	1.98	J	ng/L		99	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.00	2.08		ng/L		104	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.00	2.02		ng/L		101	50 - 150
Perfluorohexanoic acid (PFHxA)	2.00	2.16		ng/L		108	50 - 150
Perfluorononanoic acid (PFNA)	2.00	2.06		ng/L		103	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.00	2.11		ng/L		105	50 - 150
Perfluorooctanoic acid (PFOA)	2.00	2.04		ng/L		102	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.00	2.14		ng/L		107	50 - 150
Perfluorobutanoic acid (PFBA)	2.00	1.85	J	ng/L		92	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MRL 380-188601/21-A

Matrix: Water

Analysis Batch: 188789

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 188601

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.00	2.28		ng/L		114	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.00	2.15		ng/L		107	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.00	2.49		ng/L		124	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.00	2.05		ng/L		102	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	2.00	2.21		ng/L		110	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.00	2.13		ng/L		106	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.00	2.02		ng/L		101	50 - 150
Perfluoropentanoic acid (PFPeA)	2.00	2.06		ng/L		103	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.00	2.03		ng/L		101	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.00	1.95	J	ng/L		97	50 - 150

Isotope Dilution	MRL %Recovery	MRL Qualifier	MRL Limits
13C3 HFPO-DA	95		50 - 200
13C6 PFDA	111		50 - 200
13C5 PFHxA	100		50 - 200
13C4 PFHpA	104		50 - 200
13C8 PFOA	111		50 - 200
13C9 PFNA	110		50 - 200
13C7 PFUnA	107		50 - 200
13C2 PFDoA	119		50 - 200
13C4 PFBA	94		50 - 200
13C5 PFPeA	96		50 - 200
13C3 PFBS	110		50 - 200
13C3 PFHxS	107		50 - 200
13C8 PFOS	111		50 - 200
13C2-4:2-FTS	134		50 - 200
13C2-6:2-FTS	129		50 - 200
13C2-8:2-FTS	123		50 - 200

QC Association Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

LCMS

Prep Batch: 188601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-183832-1	CV-BASELINE	Total/NA	Water	533	
MBL 380-188601/20-A	Method Blank	Total/NA	Water	533	
LCS 380-188601/22-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-188601/21-A	Lab Control Sample	Total/NA	Water	533	

Analysis Batch: 188789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-183832-1	CV-BASELINE	Total/NA	Water	533	188601
MBL 380-188601/20-A	Method Blank	Total/NA	Water	533	188601
LCS 380-188601/22-A	Lab Control Sample	Total/NA	Water	533	188601
MRL 380-188601/21-A	Lab Control Sample	Total/NA	Water	533	188601

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

Client Sample ID: CV-BASELINE
Date Collected: 11/18/25 09:05
Date Received: 11/19/25 09:50

Lab Sample ID: 380-183832-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			188601	N8NE	EA POM	11/25/25 15:18
Total/NA	Analysis	533		1	188789	SZ9R	EA POM	11/26/25 10:38

Laboratory References:
EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

Laboratory: Eurofins Eaton Analytical Pomona

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11320	04-01-26
Utah	NELAP	CA00006	01-31-26

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Method Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA POM
533	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	EA POM

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-183832-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-183832-1	CV-BASELINE	Water	11/18/25 09:05	11/19/25 09:50	Washington

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: CDM Smith Inc

Job Number: 380-183832-1

Login Number: 183832

List Number: 1

Creator: Edrosa, Rey

List Source: Eurofins Eaton Analytical Pomona

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Container provided by EEA	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Julie Devon
CDM Smith Inc
14432 S.E. Eastgate Way
Suite 100
Bellevue, Washington 98007-6493

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JOB DESCRIPTION

Crescenta Valley RSSCT

JOB NUMBER

380-186138-1

Eurofins Eaton Analytical Pomona

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Eaton Analytical, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.
(DW, Water matrices)

Authorization



Authorized for release by
Christine Novshadayan, Project Manager
Christine.Novshadayan@et.eurofinsus.com
(626)386-1100

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Definitions/Glossary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: CDM Smith Inc
Project: Crescenta Valley RSSCT

Job ID: 380-186138-1

Job ID: 380-186138-1

Eurofins Eaton Analytical Pomona

Job Narrative 380-186138-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 12/4/2025 10:25 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

PFAS

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

Eurofins Eaton Analytical Pomona

Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

Client Sample ID: Crescenta RSSCT Spike Test

Lab Sample ID: 380-186138-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	24		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	9.1		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	28		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.8		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	13		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.3	J	2.0	0.39	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

Client Sample ID: Crescenta RSSCT Spike Test

Lab Sample ID: 380-186138-1

Date Collected: 12/03/25 12:00

Matrix: Water

Date Received: 12/04/25 10:25

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		12/07/25 16:27	12/08/25 12:23	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		12/07/25 16:27	12/08/25 12:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		12/07/25 16:27	12/08/25 12:23	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluorobutanesulfonic acid (PFBS)	24		2.0	0.37	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluoroheptanoic acid (PFHpA)	9.1		2.0	0.39	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.32	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluorohexanoic acid (PFHxA)	28		2.0	0.46	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluorooctanesulfonic acid (PFOS)	7.8		2.0	0.43	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluorobutanoic acid (PFBA)	13		2.0	0.69	ng/L		12/07/25 16:27	12/08/25 12:23	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		12/07/25 16:27	12/08/25 12:23	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		12/07/25 16:27	12/08/25 12:23	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		12/07/25 16:27	12/08/25 12:23	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		12/07/25 16:27	12/08/25 12:23	1
Perfluoropentanesulfonic acid (PFPeS)	1.3	J	2.0	0.39	ng/L		12/07/25 16:27	12/08/25 12:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	87		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C6 PFDA	89		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C5 PFHxA	92		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C4 PFHpA	93		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C8 PFOA	93		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C9 PFNA	94		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C7 PFUnA	93		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C2 PFDoA	91		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C4 PFBA	94		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C5 PFPeA	95		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C3 PFBS	115		50 - 200	12/07/25 16:27	12/08/25 12:23	1

Eurofins Eaton Analytical Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

Client Sample ID: Crescenta RSSCT Spike Test

Lab Sample ID: 380-186138-1

Date Collected: 12/03/25 12:00

Matrix: Water

Date Received: 12/04/25 10:25

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C3 PFHxS	112		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C8 PFOS	112		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C2-4:2-FTS	138		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C2-6:2-FTS	135		50 - 200	12/07/25 16:27	12/08/25 12:23	1
13C2-8:2-FTS	131		50 - 200	12/07/25 16:27	12/08/25 12:23	1

Isotope Dilution Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFD _o A (50-200)
380-186138-1	Crescenta RSSCT Spike Test	87	89	92	93	93	94	93	91
LCS 380-190702/24-A	Lab Control Sample	106	108	109	109	112	110	110	105
MBL 380-190702/22-A	Method Blank	100	107	107	111	107	109	105	105
MRL 380-190702/23-A	Lab Control Sample	105	109	114	112	110	109	108	110

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (50-200)	PFPeA (50-200)	C3PFBS (50-200)	C3PFHS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)
380-186138-1	Crescenta RSSCT Spike Test	94	95	115	112	112	138	135	131
LCS 380-190702/24-A	Lab Control Sample	108	104	115	111	112	133	127	122
MBL 380-190702/22-A	Method Blank	106	104	113	112	112	135	131	113
MRL 380-190702/23-A	Lab Control Sample	110	106	118	114	112	131	130	129

Surrogate Legend

HFPODA = 13C3 HFPO-DA
C6PFDA = 13C6 PFDA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
13C7PUA = 13C7 PFUnA
PFD_oA = 13C2 PFD_oA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
42FTS = 13C2-4:2-FTS
62FTS = 13C2-6:2-FTS
82FTS = 13C2-8:2-FTS

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Lab Sample ID: MBL 380-190702/22-A

Matrix: Water

Analysis Batch: 190882

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 190702

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		12/07/25 16:27	12/08/25 08:27	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		12/07/25 16:27	12/08/25 08:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		12/07/25 16:27	12/08/25 08:27	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.43	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorobutanoic acid (PFBA)	ND		2.0	0.69	ng/L		12/07/25 16:27	12/08/25 08:27	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		12/07/25 16:27	12/08/25 08:27	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		12/07/25 16:27	12/08/25 08:27	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		12/07/25 16:27	12/08/25 08:27	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		12/07/25 16:27	12/08/25 08:27	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	100		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C6 PFDA	107		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C5 PFHxA	107		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C4 PFHpA	111		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C8 PFOA	107		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C9 PFNA	109		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C7 PFUnA	105		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C2 PFDoA	105		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C4 PFBA	106		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C5 PFPeA	104		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C3 PFBS	113		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C3 PFHxS	112		50 - 200	12/07/25 16:27	12/08/25 08:27	1

Eurofins Eaton Analytical Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 380-190702/22-A

Matrix: Water

Analysis Batch: 190882

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 190702

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	112		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C2-4:2-FTS	135		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C2-6:2-FTS	131		50 - 200	12/07/25 16:27	12/08/25 08:27	1
13C2-8:2-FTS	113		50 - 200	12/07/25 16:27	12/08/25 08:27	1

Lab Sample ID: LCS 380-190702/24-A

Matrix: Water

Analysis Batch: 190882

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 190702

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	60.2	57.7		ng/L		96	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	60.2	57.1		ng/L		95	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	60.2	61.0		ng/L		101	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	60.2	60.0		ng/L		100	70 - 130
Perfluorobutanesulfonic acid (PFBS)	60.2	60.0		ng/L		100	70 - 130
Perfluorodecanoic acid (PFDA)	60.2	59.7		ng/L		99	70 - 130
Perfluorododecanoic acid (PFDoA)	60.2	60.7		ng/L		101	70 - 130
Perfluoroheptanoic acid (PFHpA)	60.2	60.1		ng/L		100	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	60.2	59.8		ng/L		99	70 - 130
Perfluorohexanoic acid (PFHxA)	60.2	58.8		ng/L		98	70 - 130
Perfluorononanoic acid (PFNA)	60.2	61.9		ng/L		103	70 - 130
Perfluorooctanesulfonic acid (PFOS)	60.2	56.1		ng/L		93	70 - 130
Perfluorooctanoic acid (PFOA)	60.2	58.9		ng/L		98	70 - 130
Perfluoroundecanoic acid (PFUnA)	60.2	59.3		ng/L		98	70 - 130
Perfluorobutanoic acid (PFBA)	60.2	60.4		ng/L		100	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	60.2	64.7		ng/L		107	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	60.2	57.6		ng/L		96	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	60.2	63.1		ng/L		105	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	60.2	59.4		ng/L		99	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	60.2	57.4		ng/L		95	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	60.2	60.6		ng/L		101	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	60.2	61.2		ng/L		102	70 - 130
Perfluoropentanoic acid (PFPeA)	60.2	59.6		ng/L		99	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	60.2	57.6		ng/L		96	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-190702/24-A

Matrix: Water

Analysis Batch: 190882

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 190702

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	60.2	59.9		ng/L		99	70 - 130
	LCS	LCS					
Isotope Dilution	%Recovery	Qualifier	Limits				
13C3 HFPO-DA	106		50 - 200				
13C6 PFDA	108		50 - 200				
13C5 PFHxA	109		50 - 200				
13C4 PFHpA	109		50 - 200				
13C8 PFOA	112		50 - 200				
13C9 PFNA	110		50 - 200				
13C7 PFUnA	110		50 - 200				
13C2 PFDoA	105		50 - 200				
13C4 PFBA	108		50 - 200				
13C5 PFPeA	104		50 - 200				
13C3 PFBS	115		50 - 200				
13C3 PFHxS	111		50 - 200				
13C8 PFOS	112		50 - 200				
13C2-4:2-FTS	133		50 - 200				
13C2-6:2-FTS	127		50 - 200				
13C2-8:2-FTS	122		50 - 200				

Lab Sample ID: MRL 380-190702/23-A

Matrix: Water

Analysis Batch: 190882

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 190702

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.01	1.94	J	ng/L		96	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	2.01	1.78	J	ng/L		89	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.01	2.03		ng/L		101	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.01	1.97	J	ng/L		98	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.01	2.00		ng/L		99	50 - 150
Perfluorodecanoic acid (PFDA)	2.01	1.92	J	ng/L		95	50 - 150
Perfluorododecanoic acid (PFDoA)	2.01	2.01		ng/L		100	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.01	1.98	J	ng/L		98	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.01	2.05		ng/L		102	50 - 150
Perfluorohexanoic acid (PFHxA)	2.01	2.05		ng/L		102	50 - 150
Perfluorononanoic acid (PFNA)	2.01	2.12		ng/L		105	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.01	2.00		ng/L		100	50 - 150
Perfluorooctanoic acid (PFOA)	2.01	2.07		ng/L		103	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.01	2.05		ng/L		102	50 - 150
Perfluorobutanoic acid (PFBA)	2.01	2.02		ng/L		100	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MRL 380-190702/23-A

Matrix: Water

Analysis Batch: 190882

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 190702

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.01	2.08		ng/L		103	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.01	2.28		ng/L		113	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.01	2.21		ng/L		110	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.01	2.03		ng/L		101	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.01	1.88	J	ng/L		93	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.01	1.94	J	ng/L		96	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.01	2.03		ng/L		101	50 - 150
Perfluoropentanoic acid (PFPeA)	2.01	2.09		ng/L		104	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.01	1.87	J	ng/L		93	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.01	1.95	J	ng/L		97	50 - 150

Isotope Dilution	MRL %Recovery	MRL Qualifier	MRL Limits
13C3 HFPO-DA	105		50 - 200
13C6 PFDA	109		50 - 200
13C5 PFHxA	114		50 - 200
13C4 PFHpA	112		50 - 200
13C8 PFOA	110		50 - 200
13C9 PFNA	109		50 - 200
13C7 PFUnA	108		50 - 200
13C2 PFDoA	110		50 - 200
13C4 PFBA	110		50 - 200
13C5 PFPeA	106		50 - 200
13C3 PFBS	118		50 - 200
13C3 PFHxS	114		50 - 200
13C8 PFOS	112		50 - 200
13C2-4:2-FTS	131		50 - 200
13C2-6:2-FTS	130		50 - 200
13C2-8:2-FTS	129		50 - 200

QC Association Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

LCMS

Prep Batch: 190702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-186138-1	Crescenta RSSCT Spike Test	Total/NA	Water	533	
MBL 380-190702/22-A	Method Blank	Total/NA	Water	533	
LCS 380-190702/24-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-190702/23-A	Lab Control Sample	Total/NA	Water	533	

Analysis Batch: 190882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-186138-1	Crescenta RSSCT Spike Test	Total/NA	Water	533	190702
MBL 380-190702/22-A	Method Blank	Total/NA	Water	533	190702
LCS 380-190702/24-A	Lab Control Sample	Total/NA	Water	533	190702
MRL 380-190702/23-A	Lab Control Sample	Total/NA	Water	533	190702

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

Client Sample ID: Crescenta RSSCT Spike Test

Lab Sample ID: 380-186138-1

Date Collected: 12/03/25 12:00

Matrix: Water

Date Received: 12/04/25 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			190702	E9PK	EA POM	12/07/25 16:27
Total/NA	Analysis	533		1	190882	SZ9R	EA POM	12/08/25 12:23

Laboratory References:
EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

Laboratory: Eurofins Eaton Analytical Pomona

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11320	04-01-26
Utah	NELAP	CA00006	01-31-26

Method Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA POM
533	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	EA POM

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-186138-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-186138-1	Crescenta RSSCT Spike Test	Water	12/03/25 12:00	12/04/25 10:25	Washington

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Chain of Custody Record

Client Information		Sampler: MW	Lab P/N: Novshadayan Christine	Carrier Tracking No(s): 7920 6484 1807	COC No: 380-82416-24232.1
Client Contact: Paul Ho		Phone: 425-519-8300	E-Mail: Christine Novshadayan@eurofins.com	State of Origin: WA	Page: Page 1 of 1
Company: CDM Smith Inc		PWSID:	Job #:		
Address: 14432 S.E. Eastgate Way Suite 100		Analysis Requested			
City: Bellevue	State: WA	Zip: 98007-6493	Preservation Codes: I - NH4 Acetate		
Phone: 425-519-8314(Tel)	PO #: Purchase Order not required	Compliance Project: ☐ Yes ☒ No	Other: 380-186138 COC		
Email: hopc@cdmsmith.com	Project #: Crescenta RSSCT	SSOW#:	Total Number of Containers		
Site: Crescenta RSSCT	Sample Date: 12/3/25	Sample Time: 12:00	Sample Type: (C=Comp, G=grab) G	Matrix: W	Field Filtered Sample (Yes or No) ☒
Sample Identification: Crescenta RSSCT Spike Test	Sample Date: 12/3/25	Sample Time: 12:00	Sample Type: (C=Comp, G=grab) G	Matrix: W	Field Filtered Sample (Yes or No) ☒
Perform MS/MSD (Yes or No) ☒		633 - All Analyses ☒		Special Instructions/Note:	
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐		Return To Client ☐ Archive For ☐ Months			
Deliverable Requested I II III IV Other (specify) II		Special Instructions/QC Requirements			
Empty Kit Relinquished by		Method of Shipment: FEDEX 7920 6484 1807			
Relinquished by: Elizabeth Trevelyan 12/3/2025 16:00		Received by: CDM Smith		Date/Time: 12/04/2025 1025	
Relinquished by:		Received by:		Date/Time:	
Relinquished by:		Received by:		Date/Time:	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: (401A) 1.2 °C = 1.0 °C Ice Frozen	

Login Sample Receipt Checklist

Client: CDM Smith Inc

Job Number: 380-186138-1

Login Number: 186138

List Source: Eurofins Eaton Analytical Pomona

List Number: 1

Creator: Tran, Kristine

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Samples do not require splitting or compositing.	N/A	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Sample Preservative Verified	True	
Container provided by EEA	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Julie Devon
CDM Smith Inc
14432 S.E. Eastgate Way
Suite 100
Bellevue, Washington 98007-6493

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JOB DESCRIPTION

Crescenta Valley RSSCT

JOB NUMBER

380-189918-1

Eurofins Pomona

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater West, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.
(DW, Water matrices)

Authorization



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Authorized for release by
Christine Novshadayan, Project Manager
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Definitions/Glossary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: CDM Smith Inc
Project: Crescenta Valley RSSCT

Job ID: 380-189918-1

Job ID: 380-189918-1

Eurofins Pomona

Job Narrative 380-189918-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/30/2025 11:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

PFAS

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

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Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: GAC-1A_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	1.9	J	2.0	0.44	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.73	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	16		2.0	0.70	ng/L	1		533	Total/NA

Client Sample ID: GAC-1B_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	1.9	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.76	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	16		2.0	0.69	ng/L	1		533	Total/NA

Client Sample ID: Control-A_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	24		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	9.3		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	28		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.8		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.4	J	2.0	0.39	ng/L	1		533	Total/NA

Client Sample ID: Control-B_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	24		2.1	0.38	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	9.3		2.1	0.40	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	16		2.1	0.33	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	28		2.1	0.47	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.8		2.1	0.44	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	15		2.1	0.39	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.1	0.71	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	28		2.1	0.39	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.4	J	2.1	0.40	ng/L	1		533	Total/NA

Client Sample ID: GAC-Influent_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	23		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	9.4		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	27		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.3		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	14		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.4	J	2.0	0.39	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: AER-1A-CVWD_90,000 EBVs

Lab Sample ID: 380-189918-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	1.0	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	24		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	29		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-1B-CVWD_90,000 EBVs

Lab Sample ID: 380-189918-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	1.0	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	24		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.0	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.42	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-3A-CVWD_90,000 EBVs

Lab Sample ID: 380-189918-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.67	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	11		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.0	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.46	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-3B-CVWD_90,000 EBVs

Lab Sample ID: 380-189918-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.82	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	11		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.62	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: GAC-1A_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-1

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 18:58	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 18:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.61	ng/L		01/03/26 08:43	01/04/26 18:58	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.47	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluorooctanesulfonic acid (PFOS)	1.9	J	2.0	0.44	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluorooctanoic acid (PFOA)	0.73	J	2.0	0.38	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.43	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluorobutanoic acid (PFBA)	16		2.0	0.70	ng/L		01/03/26 08:43	01/04/26 18:58	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 18:58	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 18:58	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/03/26 08:43	01/04/26 18:58	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.47	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/03/26 08:43	01/04/26 18:58	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 18:58	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	84		50 - 200				01/03/26 08:43	01/04/26 18:58	1
13C6 PFDA	97		50 - 200				01/03/26 08:43	01/04/26 18:58	1
13C5 PFHxA	95		50 - 200				01/03/26 08:43	01/04/26 18:58	1
13C4 PFHpA	97		50 - 200				01/03/26 08:43	01/04/26 18:58	1
13C8 PFOA	98		50 - 200				01/03/26 08:43	01/04/26 18:58	1
13C9 PFNA	98		50 - 200				01/03/26 08:43	01/04/26 18:58	1
13C7 PFUnA	95		50 - 200				01/03/26 08:43	01/04/26 18:58	1
13C2 PFDoA	93		50 - 200				01/03/26 08:43	01/04/26 18:58	1
13C4 PFBA	95		50 - 200				01/03/26 08:43	01/04/26 18:58	1
13C5 PFPeA	95		50 - 200				01/03/26 08:43	01/04/26 18:58	1
13C3 PFBS	100		50 - 200				01/03/26 08:43	01/04/26 18:58	1
13C3 PFHxS	101		50 - 200				01/03/26 08:43	01/04/26 18:58	1
13C8 PFOS	97		50 - 200				01/03/26 08:43	01/04/26 18:58	1

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: GAC-1A_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-1

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-4:2-FTS	127		50 - 200	01/03/26 08:43	01/04/26 18:58	1
13C2-6:2-FTS	117		50 - 200	01/03/26 08:43	01/04/26 18:58	1
13C2-8:2-FTS	112		50 - 200	01/03/26 08:43	01/04/26 18:58	1

Client Sample ID: GAC-1B_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-2

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 19:08	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 19:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/03/26 08:43	01/04/26 19:08	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluorooctanesulfonic acid (PFOS)	1.9	J	2.0	0.43	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluorooctanoic acid (PFOA)	0.76	J	2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluorobutanoic acid (PFBA)	16		2.0	0.69	ng/L		01/03/26 08:43	01/04/26 19:08	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:08	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 19:08	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/03/26 08:43	01/04/26 19:08	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/03/26 08:43	01/04/26 19:08	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 19:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	75		50 - 200				01/03/26 08:43	01/04/26 19:08	1
13C6 PFDA	94		50 - 200				01/03/26 08:43	01/04/26 19:08	1
13C5 PFHxA	88		50 - 200				01/03/26 08:43	01/04/26 19:08	1

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: GAC-1B_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-2

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	90		50 - 200	01/03/26 08:43	01/04/26 19:08	1
13C8 PFOA	93		50 - 200	01/03/26 08:43	01/04/26 19:08	1
13C9 PFNA	97		50 - 200	01/03/26 08:43	01/04/26 19:08	1
13C7 PFUnA	97		50 - 200	01/03/26 08:43	01/04/26 19:08	1
13C2 PFDoA	96		50 - 200	01/03/26 08:43	01/04/26 19:08	1
13C4 PFBA	84		50 - 200	01/03/26 08:43	01/04/26 19:08	1
13C5 PFPeA	83		50 - 200	01/03/26 08:43	01/04/26 19:08	1
13C3 PFBS	101		50 - 200	01/03/26 08:43	01/04/26 19:08	1
13C3 PFHxS	104		50 - 200	01/03/26 08:43	01/04/26 19:08	1
13C8 PFOS	101		50 - 200	01/03/26 08:43	01/04/26 19:08	1
13C2-4:2-FTS	119		50 - 200	01/03/26 08:43	01/04/26 19:08	1
13C2-6:2-FTS	113		50 - 200	01/03/26 08:43	01/04/26 19:08	1
13C2-8:2-FTS	116		50 - 200	01/03/26 08:43	01/04/26 19:08	1

Client Sample ID: Control-A_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-3

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 19:17	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 19:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/03/26 08:43	01/04/26 19:17	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluorobutanesulfonic acid (PFBS)	24		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluoroheptanoic acid (PFHpA)	9.3		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.32	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluorohexanoic acid (PFHxA)	28		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluorooctanesulfonic acid (PFOS)	7.8		2.0	0.43	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		01/03/26 08:43	01/04/26 19:17	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:17	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 19:17	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/03/26 08:43	01/04/26 19:17	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/03/26 08:43	01/04/26 19:17	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: Control-A_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-3

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/03/26 08:43	01/04/26 19:17	1
Perfluoropentanesulfonic acid (PFPeS)	1.4	J	2.0	0.39	ng/L		01/03/26 08:43	01/04/26 19:17	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	68		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C6 PFDA	70		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C5 PFHxA	75		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C4 PFHpA	76		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C8 PFOA	76		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C9 PFNA	73		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C7 PFUnA	70		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C2 PFDoA	74		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C4 PFBA	82		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C5 PFPeA	80		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C3 PFBS	102		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C3 PFHxS	103		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C8 PFOS	104		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C2-4:2-FTS	148		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C2-6:2-FTS	129		50 - 200				01/03/26 08:43	01/04/26 19:17	1
13C2-8:2-FTS	123		50 - 200				01/03/26 08:43	01/04/26 19:17	1

Client Sample ID: Control-B_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-4

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.1	0.31	ng/L		01/03/26 08:43	01/04/26 19:27	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.1	0.31	ng/L		01/03/26 08:43	01/04/26 19:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.1	0.62	ng/L		01/03/26 08:43	01/04/26 19:27	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.1	1.0	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluorobutanesulfonic acid (PFBS)	24		2.1	0.38	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluorodecanoic acid (PFDA)	ND		2.1	0.32	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluorododecanoic acid (PFDoA)	ND		2.1	0.56	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluoroheptanoic acid (PFHpA)	9.3		2.1	0.40	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluorohexanesulfonic acid (PFHxS)	16		2.1	0.33	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluorohexanoic acid (PFHxA)	28		2.1	0.47	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluorononanoic acid (PFNA)	ND		2.1	0.41	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluorooctanesulfonic acid (PFOS)	7.8		2.1	0.44	ng/L		01/03/26 08:43	01/04/26 19:27	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: Control-B_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-4

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	15		2.1	0.39	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluoroundecanoic acid (PFUnA)	ND		2.1	0.43	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluorobutanoic acid (PFBA)	12		2.1	0.71	ng/L		01/03/26 08:43	01/04/26 19:27	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.1	0.39	ng/L		01/03/26 08:43	01/04/26 19:27	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.1	0.38	ng/L		01/03/26 08:43	01/04/26 19:27	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.1	0.49	ng/L		01/03/26 08:43	01/04/26 19:27	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.1	0.48	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.1	0.25	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.1	0.47	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.1	0.16	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluoropentanoic acid (PFPeA)	28		2.1	0.39	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.1	0.37	ng/L		01/03/26 08:43	01/04/26 19:27	1
Perfluoropentanesulfonic acid (PFPeS)	1.4 J		2.1	0.40	ng/L		01/03/26 08:43	01/04/26 19:27	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	80		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C6 PFDA	92		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C5 PFHxA	87		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C4 PFHpA	91		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C8 PFOA	91		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C9 PFNA	94		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C7 PFUnA	98		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C2 PFDoA	93		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C4 PFBA	89		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C5 PFPeA	87		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C3 PFBS	95		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C3 PFHxS	96		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C8 PFOS	95		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C2-4:2-FTS	138		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C2-6:2-FTS	120		50 - 200				01/03/26 08:43	01/04/26 19:27	1
13C2-8:2-FTS	117		50 - 200				01/03/26 08:43	01/04/26 19:27	1

Client Sample ID: GAC-Influent_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-5

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 19:36	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 19:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/03/26 08:43	01/04/26 19:36	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: GAC-Influent_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-5

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluorobutanesulfonic acid (PFBS)	23		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluoroheptanoic acid (PFHpA)	9.4		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.32	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluorohexanoic acid (PFHxA)	27		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluorooctanesulfonic acid (PFOS)	8.3		2.0	0.43	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluorooctanoic acid (PFOA)	14		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/03/26 08:43	01/04/26 19:36	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:36	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 19:36	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/03/26 08:43	01/04/26 19:36	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/03/26 08:43	01/04/26 19:36	1
Perfluoropentanesulfonic acid (PFPeS)	1.4 J		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 19:36	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	61		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C6 PFDA	86		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C5 PFHxA	74		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C4 PFHpA	75		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C8 PFOA	82		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C9 PFNA	86		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C7 PFUnA	91		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C2 PFDoA	92		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C4 PFBA	79		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C5 PFPeA	80		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C3 PFBS	97		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C3 PFHxS	98		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C8 PFOS	98		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C2-4:2-FTS	145		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C2-6:2-FTS	127		50 - 200	01/03/26 08:43	01/04/26 19:36	1
13C2-8:2-FTS	123		50 - 200	01/03/26 08:43	01/04/26 19:36	1

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: AER-1A-CVWD_90,000 EBVs

Lab Sample ID: 380-189918-6

Date Collected: 12/26/25 09:23

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 19:46	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 19:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/03/26 08:43	01/04/26 19:46	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluoroheptanoic acid (PFHpA)	1.0	J	2.0	0.39	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluorohexanoic acid (PFHxA)	24		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.0	0.43	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/03/26 08:43	01/04/26 19:46	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:46	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 19:46	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/03/26 08:43	01/04/26 19:46	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluoropentanoic acid (PFPeA)	29		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/03/26 08:43	01/04/26 19:46	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 19:46	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	70		50 - 200				01/03/26 08:43	01/04/26 19:46	1
13C6 PFDA	79		50 - 200				01/03/26 08:43	01/04/26 19:46	1
13C5 PFHxA	77		50 - 200				01/03/26 08:43	01/04/26 19:46	1
13C4 PFHpA	79		50 - 200				01/03/26 08:43	01/04/26 19:46	1
13C8 PFOA	78		50 - 200				01/03/26 08:43	01/04/26 19:46	1
13C9 PFNA	81		50 - 200				01/03/26 08:43	01/04/26 19:46	1
13C7 PFUnA	85		50 - 200				01/03/26 08:43	01/04/26 19:46	1
13C2 PFDoA	83		50 - 200				01/03/26 08:43	01/04/26 19:46	1
13C4 PFBA	80		50 - 200				01/03/26 08:43	01/04/26 19:46	1
13C5 PFPeA	77		50 - 200				01/03/26 08:43	01/04/26 19:46	1
13C3 PFBS	100		50 - 200				01/03/26 08:43	01/04/26 19:46	1
13C3 PFHxS	102		50 - 200				01/03/26 08:43	01/04/26 19:46	1
13C8 PFOS	97		50 - 200				01/03/26 08:43	01/04/26 19:46	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: AER-1A-CVWD_90,000 EBVs

Lab Sample ID: 380-189918-6

Date Collected: 12/26/25 09:23

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-4:2-FTS	150		50 - 200	01/03/26 08:43	01/04/26 19:46	1
13C2-6:2-FTS	130		50 - 200	01/03/26 08:43	01/04/26 19:46	1
13C2-8:2-FTS	120		50 - 200	01/03/26 08:43	01/04/26 19:46	1

Client Sample ID: AER-1B-CVWD_90,000 EBVs

Lab Sample ID: 380-189918-7

Date Collected: 12/26/25 09:23

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 19:55	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 19:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/03/26 08:43	01/04/26 19:55	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluoroheptanoic acid (PFHpA)	1.0	J	2.0	0.39	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluorohexanoic acid (PFHxA)	24		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluorooctanesulfonic acid (PFOS)	1.0	J	2.0	0.43	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluorooctanoic acid (PFOA)	0.42	J	2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/03/26 08:43	01/04/26 19:55	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:55	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 19:55	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/03/26 08:43	01/04/26 19:55	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/03/26 08:43	01/04/26 19:55	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 19:55	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	59		50 - 200				01/03/26 08:43	01/04/26 19:55	1
13C6 PFDA	83		50 - 200				01/03/26 08:43	01/04/26 19:55	1
13C5 PFHxA	71		50 - 200				01/03/26 08:43	01/04/26 19:55	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: AER-1B-CVWD_90,000 EBVs

Lab Sample ID: 380-189918-7

Date Collected: 12/26/25 09:23

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	76		50 - 200	01/03/26 08:43	01/04/26 19:55	1
13C8 PFOA	77		50 - 200	01/03/26 08:43	01/04/26 19:55	1
13C9 PFNA	80		50 - 200	01/03/26 08:43	01/04/26 19:55	1
13C7 PFUnA	87		50 - 200	01/03/26 08:43	01/04/26 19:55	1
13C2 PFDoA	86		50 - 200	01/03/26 08:43	01/04/26 19:55	1
13C4 PFBA	76		50 - 200	01/03/26 08:43	01/04/26 19:55	1
13C5 PFPeA	77		50 - 200	01/03/26 08:43	01/04/26 19:55	1
13C3 PFBS	98		50 - 200	01/03/26 08:43	01/04/26 19:55	1
13C3 PFHxS	100		50 - 200	01/03/26 08:43	01/04/26 19:55	1
13C8 PFOS	97		50 - 200	01/03/26 08:43	01/04/26 19:55	1
13C2-4:2-FTS	143		50 - 200	01/03/26 08:43	01/04/26 19:55	1
13C2-6:2-FTS	130		50 - 200	01/03/26 08:43	01/04/26 19:55	1
13C2-8:2-FTS	125		50 - 200	01/03/26 08:43	01/04/26 19:55	1

Client Sample ID: AER-3A-CVWD_90,000 EBVs

Lab Sample ID: 380-189918-8

Date Collected: 12/26/25 09:23

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 20:05	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 20:05	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/03/26 08:43	01/04/26 20:05	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluoroheptanoic acid (PFHpA)	0.67	J	2.0	0.39	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluorohexanoic acid (PFHxA)	11		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluorooctanesulfonic acid (PFOS)	1.0	J	2.0	0.43	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluorooctanoic acid (PFOA)	0.46	J	2.0	0.38	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/03/26 08:43	01/04/26 20:05	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 20:05	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 20:05	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/03/26 08:43	01/04/26 20:05	1
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 20:05	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: AER-3A-CVWD_90,000 EBVs

Lab Sample ID: 380-189918-8

Date Collected: 12/26/25 09:23

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/03/26 08:43	01/04/26 20:05	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 20:05	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	74		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C6 PFDA	94		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C5 PFHxA	88		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C4 PFHpA	89		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C8 PFOA	92		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C9 PFNA	96		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C7 PFUnA	95		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C2 PFDoA	93		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C4 PFBA	91		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C5 PFPeA	94		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C3 PFBS	98		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C3 PFHxS	102		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C8 PFOS	98		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C2-4:2-FTS	149		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C2-6:2-FTS	126		50 - 200				01/03/26 08:43	01/04/26 20:05	1
13C2-8:2-FTS	131		50 - 200				01/03/26 08:43	01/04/26 20:05	1

Client Sample ID: AER-3B-CVWD_90,000 EBVs

Lab Sample ID: 380-189918-9

Date Collected: 12/26/25 09:23

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 20:24	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 20:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/03/26 08:43	01/04/26 20:24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluoroheptanoic acid (PFHpA)	0.82	J	2.0	0.39	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluorohexanoic acid (PFHxA)	11		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.0	0.43	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluorooctanoic acid (PFOA)	0.62	J	2.0	0.38	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/03/26 08:43	01/04/26 20:24	1

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: AER-3B-CVWD_90,000 EBVs

Lab Sample ID: 380-189918-9

Date Collected: 12/26/25 09:23

Matrix: Water

Date Received: 12/30/25 11:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 20:24	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 20:24	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/03/26 08:43	01/04/26 20:24	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/03/26 08:43	01/04/26 20:24	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 20:24	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	65		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C6 PFDA	78		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C5 PFHxA	72		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C4 PFHpA	75		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C8 PFOA	77		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C9 PFNA	80		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C7 PFUnA	82		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C2 PFDoA	81		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C4 PFBA	76		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C5 PFPeA	76		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C3 PFBS	97		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C3 PFHxS	101		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C8 PFOS	96		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C2-4:2-FTS	158		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C2-6:2-FTS	128		50 - 200				01/03/26 08:43	01/04/26 20:24	1
13C2-8:2-FTS	125		50 - 200				01/03/26 08:43	01/04/26 20:24	1

Isotope Dilution Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFDaA (50-200)
380-189918-1	GAC-1A_CVWD_20,000 EBVs	84	97	95	97	98	98	95	93
380-189918-2	GAC-1B_CVWD_20,000 EBVs	75	94	88	90	93	97	97	96
380-189918-3	Control-A_CVWD_20,000 EBVs	68	70	75	76	76	73	70	74
380-189918-4	Control-B_CVWD_20,000 EBVs	80	92	87	91	91	94	98	93
380-189918-5	GAC-Influent_CVWD_20,000 EBVs	61	86	74	75	82	86	91	92
380-189918-6	AER-1A-CVWD_90,000 EBVs	70	79	77	79	78	81	85	83
380-189918-7	AER-1B-CVWD_90,000 EBVs	59	83	71	76	77	80	87	86
380-189918-8	AER-3A-CVWD_90,000 EBVs	74	94	88	89	92	96	95	93
380-189918-9	AER-3B-CVWD_90,000 EBVs	65	78	72	75	77	80	82	81
LCS 380-195622/24-A	Lab Control Sample	95	104	104	102	100	103	108	100
MBL 380-195622/22-A	Method Blank	79	93	93	93	92	94	91	91
MRL 380-195622/23-A	Lab Control Sample	88	101	98	103	101	98	103	97
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (50-200)	PFPeA (50-200)	C3PFBS (50-200)	C3PFHS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)
380-189918-1	GAC-1A_CVWD_20,000 EBVs	95	95	100	101	97	127	117	112
380-189918-2	GAC-1B_CVWD_20,000 EBVs	84	83	101	104	101	119	113	116
380-189918-3	Control-A_CVWD_20,000 EBVs	82	80	102	103	104	148	129	123
380-189918-4	Control-B_CVWD_20,000 EBVs	89	87	95	96	95	138	120	117
380-189918-5	GAC-Influent_CVWD_20,000 EBVs	79	80	97	98	98	145	127	123
380-189918-6	AER-1A-CVWD_90,000 EBVs	80	77	100	102	97	150	130	120
380-189918-7	AER-1B-CVWD_90,000 EBVs	76	77	98	100	97	143	130	125
380-189918-8	AER-3A-CVWD_90,000 EBVs	91	94	98	102	98	149	126	131
380-189918-9	AER-3B-CVWD_90,000 EBVs	76	76	97	101	96	158	128	125
LCS 380-195622/24-A	Lab Control Sample	102	100	108	105	102	121	119	113
MBL 380-195622/22-A	Method Blank	92	95	98	97	99	121	112	108
MRL 380-195622/23-A	Lab Control Sample	102	102	100	101	98	119	117	111
Surrogate Legend									
HFPODA = 13C3 HFPO-DA									
C6PFDA = 13C6 PFDA									
13C5PHA = 13C5 PFHxA									
C4PFHA = 13C4 PFHpA									
C8PFOA = 13C8 PFOA									
C9PFNA = 13C9 PFNA									
13C7PUA = 13C7 PFUnA									
PFDaA = 13C2 PFDaA									
PFBA = 13C4 PFBA									
PFPeA = 13C5 PFPeA									
C3PFBS = 13C3 PFBS									
C3PFHS = 13C3 PFHxS									
C8PFOS = 13C8 PFOS									
42FTS = 13C2-4:2-FTS									
62FTS = 13C2-6:2-FTS									
82FTS = 13C2-8:2-FTS									

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Lab Sample ID: MBL 380-195622/22-A

Matrix: Water

Analysis Batch: 195645

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 195622

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 17:51	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/03/26 08:43	01/04/26 17:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/03/26 08:43	01/04/26 17:51	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.43	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluorobutanoic acid (PFBA)	ND		2.0	0.69	ng/L		01/03/26 08:43	01/04/26 17:51	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 17:51	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/03/26 08:43	01/04/26 17:51	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/03/26 08:43	01/04/26 17:51	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/03/26 08:43	01/04/26 17:51	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/03/26 08:43	01/04/26 17:51	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	79		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C6 PFDA	93		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C5 PFHxA	93		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C4 PFHpA	93		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C8 PFOA	92		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C9 PFNA	94		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C7 PFUnA	91		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C2 PFDoA	91		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C4 PFBA	92		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C5 PFPeA	95		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C3 PFBS	98		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C3 PFHxS	97		50 - 200	01/03/26 08:43	01/04/26 17:51	1

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 380-195622/22-A

Matrix: Water

Analysis Batch: 195645

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 195622

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	99		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C2-4:2-FTS	121		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C2-6:2-FTS	112		50 - 200	01/03/26 08:43	01/04/26 17:51	1
13C2-8:2-FTS	108		50 - 200	01/03/26 08:43	01/04/26 17:51	1

Lab Sample ID: LCS 380-195622/24-A

Matrix: Water

Analysis Batch: 195645

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195622

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	60.1	50.5		ng/L		84	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	60.1	54.8		ng/L		91	70 - 130
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	60.1	55.7		ng/L		93	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	60.1	55.3		ng/L		92	70 - 130
Perfluorobutanesulfonic acid (PFBS)	60.1	54.3		ng/L		90	70 - 130
Perfluorodecanoic acid (PFDA)	60.1	57.0		ng/L		95	70 - 130
Perfluorododecanoic acid (PFDaA)	60.1	55.9		ng/L		93	70 - 130
Perfluoroheptanoic acid (PFHpA)	60.1	56.1		ng/L		93	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	60.1	54.7		ng/L		91	70 - 130
Perfluorohexanoic acid (PFHxA)	60.1	54.2		ng/L		90	70 - 130
Perfluorononanoic acid (PFNA)	60.1	53.8		ng/L		89	70 - 130
Perfluorooctanesulfonic acid (PFOS)	60.1	55.3		ng/L		92	70 - 130
Perfluorooctanoic acid (PFOA)	60.1	57.6		ng/L		96	70 - 130
Perfluoroundecanoic acid (PFUnA)	60.1	54.7		ng/L		91	70 - 130
Perfluorobutanoic acid (PFBA)	60.1	56.6		ng/L		94	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	60.1	57.3		ng/L		95	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	60.1	58.5		ng/L		97	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	60.1	56.3		ng/L		94	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	60.1	49.5		ng/L		82	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	60.1	60.5		ng/L		101	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	60.1	55.2		ng/L		92	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	60.1	56.7		ng/L		94	70 - 130
Perfluoropentanoic acid (PFPeA)	60.1	53.9		ng/L		90	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	60.1	56.1		ng/L		93	70 - 130

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-195622/24-A

Matrix: Water

Analysis Batch: 195645

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195622

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	60.1	56.6		ng/L		94	70 - 130
	LCS	LCS					
Isotope Dilution	%Recovery	Qualifier	Limits				
13C3 HFPO-DA	95		50 - 200				
13C6 PFDA	104		50 - 200				
13C5 PFHxA	104		50 - 200				
13C4 PFHpA	102		50 - 200				
13C8 PFOA	100		50 - 200				
13C9 PFNA	103		50 - 200				
13C7 PFUnA	108		50 - 200				
13C2 PFDoA	100		50 - 200				
13C4 PFBA	102		50 - 200				
13C5 PFPeA	100		50 - 200				
13C3 PFBS	108		50 - 200				
13C3 PFHxS	105		50 - 200				
13C8 PFOS	102		50 - 200				
13C2-4:2-FTS	121		50 - 200				
13C2-6:2-FTS	119		50 - 200				
13C2-8:2-FTS	113		50 - 200				

Lab Sample ID: MRL 380-195622/23-A

Matrix: Water

Analysis Batch: 195645

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195622

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.01	1.98	J	ng/L		99	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	2.01	2.00		ng/L		99	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.01	1.96	J	ng/L		98	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.01	2.09		ng/L		104	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.01	2.05		ng/L		102	50 - 150
Perfluorodecanoic acid (PFDA)	2.01	1.96	J	ng/L		98	50 - 150
Perfluorododecanoic acid (PFDoA)	2.01	2.19		ng/L		109	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.01	1.97	J	ng/L		98	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.01	2.05		ng/L		102	50 - 150
Perfluorohexanoic acid (PFHxA)	2.01	1.91	J	ng/L		95	50 - 150
Perfluorononanoic acid (PFNA)	2.01	1.96	J	ng/L		98	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.01	2.09		ng/L		104	50 - 150
Perfluorooctanoic acid (PFOA)	2.01	2.10		ng/L		105	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.01	1.97	J	ng/L		98	50 - 150
Perfluorobutanoic acid (PFBA)	2.01	2.07		ng/L		103	50 - 150

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MRL 380-195622/23-A

Matrix: Water

Analysis Batch: 195645

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195622

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.01	2.18		ng/L		109	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.01	2.29		ng/L		114	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.01	2.23		ng/L		111	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.01	1.83	J	ng/L		91	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.01	2.36		ng/L		118	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.01	1.87	J	ng/L		93	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.01	1.82	J	ng/L		91	50 - 150
Perfluoropentanoic acid (PFPeA)	2.01	2.02		ng/L		101	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.01	1.97	J	ng/L		98	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.01	1.82	J	ng/L		91	50 - 150

Isotope Dilution	MRL %Recovery	MRL Qualifier	MRL Limits
13C3 HFPO-DA	88		50 - 200
13C6 PFDA	101		50 - 200
13C5 PFHxA	98		50 - 200
13C4 PFHpA	103		50 - 200
13C8 PFOA	101		50 - 200
13C9 PFNA	98		50 - 200
13C7 PFUnA	103		50 - 200
13C2 PFDoA	97		50 - 200
13C4 PFBA	102		50 - 200
13C5 PFPeA	102		50 - 200
13C3 PFBS	100		50 - 200
13C3 PFHxS	101		50 - 200
13C8 PFOS	98		50 - 200
13C2-4:2-FTS	119		50 - 200
13C2-6:2-FTS	117		50 - 200
13C2-8:2-FTS	111		50 - 200

QC Association Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

LCMS

Prep Batch: 195622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189918-1	GAC-1A_CVWD_20,000 EBVs	Total/NA	Water	533	
380-189918-2	GAC-1B_CVWD_20,000 EBVs	Total/NA	Water	533	
380-189918-3	Control-A_CVWD_20,000 EBVs	Total/NA	Water	533	
380-189918-4	Control-B_CVWD_20,000 EBVs	Total/NA	Water	533	
380-189918-5	GAC-Influent_CVWD_20,000 EBVs	Total/NA	Water	533	
380-189918-6	AER-1A-CVWD_90,000 EBVs	Total/NA	Water	533	
380-189918-7	AER-1B-CVWD_90,000 EBVs	Total/NA	Water	533	
380-189918-8	AER-3A-CVWD_90,000 EBVs	Total/NA	Water	533	
380-189918-9	AER-3B-CVWD_90,000 EBVs	Total/NA	Water	533	
MBL 380-195622/22-A	Method Blank	Total/NA	Water	533	
LCS 380-195622/24-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-195622/23-A	Lab Control Sample	Total/NA	Water	533	

Analysis Batch: 195645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189918-1	GAC-1A_CVWD_20,000 EBVs	Total/NA	Water	533	195622
380-189918-2	GAC-1B_CVWD_20,000 EBVs	Total/NA	Water	533	195622
380-189918-3	Control-A_CVWD_20,000 EBVs	Total/NA	Water	533	195622
380-189918-4	Control-B_CVWD_20,000 EBVs	Total/NA	Water	533	195622
380-189918-5	GAC-Influent_CVWD_20,000 EBVs	Total/NA	Water	533	195622
380-189918-6	AER-1A-CVWD_90,000 EBVs	Total/NA	Water	533	195622
380-189918-7	AER-1B-CVWD_90,000 EBVs	Total/NA	Water	533	195622
380-189918-8	AER-3A-CVWD_90,000 EBVs	Total/NA	Water	533	195622
380-189918-9	AER-3B-CVWD_90,000 EBVs	Total/NA	Water	533	195622
MBL 380-195622/22-A	Method Blank	Total/NA	Water	533	195622
LCS 380-195622/24-A	Lab Control Sample	Total/NA	Water	533	195622
MRL 380-195622/23-A	Lab Control Sample	Total/NA	Water	533	195622

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: GAC-1A_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-1

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195622	E9PK	EA POM	01/03/26 08:43
Total/NA	Analysis	533		1	195645	M7ML	EA POM	01/04/26 18:58

Client Sample ID: GAC-1B_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-2

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195622	E9PK	EA POM	01/03/26 08:43
Total/NA	Analysis	533		1	195645	M7ML	EA POM	01/04/26 19:08

Client Sample ID: Control-A_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-3

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195622	E9PK	EA POM	01/03/26 08:43
Total/NA	Analysis	533		1	195645	M7ML	EA POM	01/04/26 19:17

Client Sample ID: Control-B_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-4

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195622	E9PK	EA POM	01/03/26 08:43
Total/NA	Analysis	533		1	195645	M7ML	EA POM	01/04/26 19:27

Client Sample ID: GAC-Influent_CVWD_20,000 EBVs

Lab Sample ID: 380-189918-5

Date Collected: 12/22/25 15:34

Matrix: Water

Date Received: 12/30/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195622	E9PK	EA POM	01/03/26 08:43
Total/NA	Analysis	533		1	195645	M7ML	EA POM	01/04/26 19:36

Client Sample ID: AER-1A-CVWD_90,000 EBVs

Lab Sample ID: 380-189918-6

Date Collected: 12/26/25 09:23

Matrix: Water

Date Received: 12/30/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195622	E9PK	EA POM	01/03/26 08:43
Total/NA	Analysis	533		1	195645	M7ML	EA POM	01/04/26 19:46

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Client Sample ID: AER-1B-CVWD_90,000 EBVs
Date Collected: 12/26/25 09:23
Date Received: 12/30/25 11:15

Lab Sample ID: 380-189918-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195622	E9PK	EA POM	01/03/26 08:43
Total/NA	Analysis	533		1	195645	M7ML	EA POM	01/04/26 19:55

Client Sample ID: AER-3A-CVWD_90,000 EBVs
Date Collected: 12/26/25 09:23
Date Received: 12/30/25 11:15

Lab Sample ID: 380-189918-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195622	E9PK	EA POM	01/03/26 08:43
Total/NA	Analysis	533		1	195645	M7ML	EA POM	01/04/26 20:05

Client Sample ID: AER-3B-CVWD_90,000 EBVs
Date Collected: 12/26/25 09:23
Date Received: 12/30/25 11:15

Lab Sample ID: 380-189918-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195622	E9PK	EA POM	01/03/26 08:43
Total/NA	Analysis	533		1	195645	M7ML	EA POM	01/04/26 20:24

Laboratory References:
EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Laboratory: Eurofins Pomona

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11320	04-01-26
Utah	NELAP	CA00006	01-31-27

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Method Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA POM
533	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	EA POM

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189918-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-189918-1	GAC-1A_CVWD_20,000 EBVs	Water	12/22/25 15:34	12/30/25 11:15	Washington
380-189918-2	GAC-1B_CVWD_20,000 EBVs	Water	12/22/25 15:34	12/30/25 11:15	Washington
380-189918-3	Control-A_CVWD_20,000 EBVs	Water	12/22/25 15:34	12/30/25 11:15	Washington
380-189918-4	Control-B_CVWD_20,000 EBVs	Water	12/22/25 15:34	12/30/25 11:15	Washington
380-189918-5	GAC-Influent_CVWD_20,000 EBVs	Water	12/22/25 15:34	12/30/25 11:15	Washington
380-189918-6	AER-1A-CVWD_90,000 EBVs	Water	12/26/25 09:23	12/30/25 11:15	Washington
380-189918-7	AER-1B-CVWD_90,000 EBVs	Water	12/26/25 09:23	12/30/25 11:15	Washington
380-189918-8	AER-3A-CVWD_90,000 EBVs	Water	12/26/25 09:23	12/30/25 11:15	Washington
380-189918-9	AER-3B-CVWD_90,000 EBVs	Water	12/26/25 09:23	12/30/25 11:15	Washington

Chain of Custody Record



Client Information		Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact Paul Ho		Phone: 425-519-8300	Novshadayan Christine	State of Origin WA	380-32416-24232.1
Company CDM Smith Inc			E-Mail: Christine.Novshadayan@et.eurofins.com	Page Page 1 of 1	Job #:
Address: 14432 S.E. Eastgate Way Suite 100					
City: Bellevue					
State Zip WA, 98007-6493					
Phone: 425-519-8314(Tel)					
Email: hopc@cdmsmith.com					
Project Name: Crescenta Valley RSSCT					
Site:					
Due Date Requested:					
TAT Requested (days): Standard TAT					
Compliance Project: ☐ Yes ☐ No					
PO #: 127679					
WD #:					
Project #:					
SSOW#:					
Analysis Requested					
Preservation Codes ☐ NH4 Acetate					
Other: 380-189918 COC					
Total Number of Containers					
Special Instructions/Note:					
Field Filled Sample (Yes or No)					
Perform MS/MSD (Yes or No)					
533 - All Analyses					
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix
GAC-1A-CVWD_20 000 EBVs	12/22/25	15 34	G	W	
GAC-1B-CVWD_20 000 EBVs	12/22/25	15 34	G	W	
Control-A-CVWD_20 000 EBVs	12/22/25	15 34	G	W	
Control-B-CVWD_20 000 EBVs	12/22/25	15 34	G	W	
GAC-Influent-CVWD_20 000 EBVs	12/22/25	15 34	G	W	
AER-1A-CVWD_90 000 EBVs	12/26/25	9 23	G	W	
AER-1B-CVWD_90 000 EBVs	12/26/25	9 23	G	W	
AER-3A-CVWD_90 000 EBVs	12/26/25	9 23	G	W	
AER-3B-CVWD_90 000 EBVs	12/26/25	9 23	G	W	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					
Deliverable Requested I II III IV Other (specify)					
Empty Kit Relinquished by:		Date:			
Relinquished by: Alexander Tait		Date/Time: 12/29/25 15 00		Company: CDM Smith	
Relinquished by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 60/1/8=1/8	

Login Sample Receipt Checklist

Client: CDM Smith Inc

Job Number: 380-189918-1

Login Number: 189918

List Number: 1

Creator: Ngo, Theodore

List Source: Eurofins Pomona

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Sample Preservative Verified	True	
Container provided by EEA	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Julie Devon
CDM Smith Inc
14432 S.E. Eastgate Way
Suite 100
Bellevue, Washington 98007-6493

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JOB DESCRIPTION

Crescenta Valley RSSCT

JOB NUMBER

380-190533-1

Eurofins Pomona

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater West, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.
(DW, Water matrices)

Authorization



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Authorized for release by
Christine Novshadayan, Project Manager
Christine.Novshadayan@et.eurofinsus.com
(626)386-1100

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Definitions/Glossary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Qualifiers

LCMS

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

Glossary

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

Case Narrative

Client: CDM Smith Inc
Project: Crescenta Valley RSSCT

Job ID: 380-190533-1

Job ID: 380-190533-1

Eurofins Pomona

Job Narrative 380-190533-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 1/6/2026 10:12 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C.

Receipt Exceptions

Time on bottles does not match what is written on COC.

Sample #1 has 1415,
#2 has 1415,
#3 1416,
#4 has 1415,
and #5 has 0800

GAC-1A_CVWD_40,000 EBVs (380-190533-1), GAC-1B_CVWD_40,000 EBVs (380-190533-2), Control-A_CVWD_40,000 EBVs (380-190533-3), Control-B_CVWD_40,000 EBVs (380-190533-4) and GAC-Influent_CVWD_40,000 EBVs (380-190533-5)

PFAS

Method 533: The following QC issues in preparation batch 380-196287 and analytical batch 380-196362 were observed:
IDA 13C6 PFDA recovery was below QC acceptable criteria (low bias) for sample AER-2B-CVWD_30,000 EBVs (380-190533-10).
Results not acceptable per method.
Insufficient volume for re-extraction / re-analysis.

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

Eurofins Pomona

Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: GAC-1A_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	0.88	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	22		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: GAC-1B_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	0.98	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	22		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: Control-A_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	23		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.9		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	26		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.2		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	25		2.0	0.38	ng/L	1		533	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.36	J	2.0	0.36	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.0	J	2.0	0.39	ng/L	1		533	Total/NA

Client Sample ID: Control-B_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	22		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.6		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	27		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.9		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	25		2.0	0.38	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.98	J	2.0	0.39	ng/L	1		533	Total/NA

Client Sample ID: GAC-Influent_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	22		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.6		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	26		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.9		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	14		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	25		2.0	0.38	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.91	J	2.0	0.39	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pomona

Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: AER-1A-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	1.9	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	31		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.58	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-1B-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	2.1		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	26		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.94	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.67	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	24		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-3A-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	1.2	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	15		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.75	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-3B-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	1.1	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	15		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.87	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.99	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	25		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-2B-CVWD_30,000 EBVs

Lab Sample ID: 380-190533-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	3.0		2.0	0.47	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.82	J	2.0	0.44	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.70	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	21		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-2B-CVWD_60,000 EBVs

Lab Sample ID: 380-190533-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.41	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	10		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.2	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: GAC-1A_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-1

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 07:25	01/07/26 23:10	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 07:25	01/07/26 23:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/07/26 07:25	01/07/26 23:10	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluorooctanesulfonic acid (PFOS)	0.88	J	2.0	0.43	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/07/26 07:25	01/07/26 23:10	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/07/26 07:25	01/07/26 23:10	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 07:25	01/07/26 23:10	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 07:25	01/07/26 23:10	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluoropentanoic acid (PFPeA)	22		2.0	0.38	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/07/26 07:25	01/07/26 23:10	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/07/26 07:25	01/07/26 23:10	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	80		50 - 200				01/07/26 07:25	01/07/26 23:10	1
13C6 PFDA	93		50 - 200				01/07/26 07:25	01/07/26 23:10	1
13C5 PFHxA	89		50 - 200				01/07/26 07:25	01/07/26 23:10	1
13C4 PFHpA	93		50 - 200				01/07/26 07:25	01/07/26 23:10	1
13C8 PFOA	93		50 - 200				01/07/26 07:25	01/07/26 23:10	1
13C9 PFNA	94		50 - 200				01/07/26 07:25	01/07/26 23:10	1
13C7 PFUnA	97		50 - 200				01/07/26 07:25	01/07/26 23:10	1
13C2 PFDoA	101		50 - 200				01/07/26 07:25	01/07/26 23:10	1
13C4 PFBA	98		50 - 200				01/07/26 07:25	01/07/26 23:10	1
13C5 PFPeA	94		50 - 200				01/07/26 07:25	01/07/26 23:10	1
13C3 PFBS	110		50 - 200				01/07/26 07:25	01/07/26 23:10	1
13C3 PFHxS	111		50 - 200				01/07/26 07:25	01/07/26 23:10	1
13C8 PFOS	109		50 - 200				01/07/26 07:25	01/07/26 23:10	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: GAC-1A_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-1

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-4:2-FTS	125		50 - 200	01/07/26 07:25	01/07/26 23:10	1
13C2-6:2-FTS	113		50 - 200	01/07/26 07:25	01/07/26 23:10	1
13C2-8:2-FTS	111		50 - 200	01/07/26 07:25	01/07/26 23:10	1

Client Sample ID: GAC-1B_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-2

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 07:25	01/07/26 23:20	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 07:25	01/07/26 23:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/07/26 07:25	01/07/26 23:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluorooctanesulfonic acid (PFOS)	0.98	J	2.0	0.43	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/07/26 07:25	01/07/26 23:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/07/26 07:25	01/07/26 23:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 07:25	01/07/26 23:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 07:25	01/07/26 23:20	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluoropentanoic acid (PFPeA)	22		2.0	0.38	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/07/26 07:25	01/07/26 23:20	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/07/26 07:25	01/07/26 23:20	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	98		50 - 200				01/07/26 07:25	01/07/26 23:20	1
13C6 PFDA	106		50 - 200				01/07/26 07:25	01/07/26 23:20	1
13C5 PFHxA	103		50 - 200				01/07/26 07:25	01/07/26 23:20	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: GAC-1B_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-2

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	105		50 - 200	01/07/26 07:25	01/07/26 23:20	1
13C8 PFOA	111		50 - 200	01/07/26 07:25	01/07/26 23:20	1
13C9 PFNA	105		50 - 200	01/07/26 07:25	01/07/26 23:20	1
13C7 PFUnA	103		50 - 200	01/07/26 07:25	01/07/26 23:20	1
13C2 PFDoA	103		50 - 200	01/07/26 07:25	01/07/26 23:20	1
13C4 PFBA	104		50 - 200	01/07/26 07:25	01/07/26 23:20	1
13C5 PFPeA	105		50 - 200	01/07/26 07:25	01/07/26 23:20	1
13C3 PFBS	108		50 - 200	01/07/26 07:25	01/07/26 23:20	1
13C3 PFHxS	108		50 - 200	01/07/26 07:25	01/07/26 23:20	1
13C8 PFOS	107		50 - 200	01/07/26 07:25	01/07/26 23:20	1
13C2-4:2-FTS	117		50 - 200	01/07/26 07:25	01/07/26 23:20	1
13C2-6:2-FTS	110		50 - 200	01/07/26 07:25	01/07/26 23:20	1
13C2-8:2-FTS	113		50 - 200	01/07/26 07:25	01/07/26 23:20	1

Client Sample ID: Control-A_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-3

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 09:43	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 09:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/07/26 15:40	01/08/26 09:43	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluorobutanesulfonic acid (PFBS)	23		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluoroheptanoic acid (PFHpA)	8.9		2.0	0.39	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluorohexanoic acid (PFHxA)	26		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluorooctanesulfonic acid (PFOS)	8.2		2.0	0.43	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		01/07/26 15:40	01/08/26 09:43	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 09:43	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 09:43	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 15:40	01/08/26 09:43	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/07/26 15:40	01/08/26 09:43	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: Control-A_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-3

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluoropentanoic acid (PFPeA)	25		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluoroheptanesulfonic acid (PFHpS)	0.36 J		2.0	0.36	ng/L		01/07/26 15:40	01/08/26 09:43	1
Perfluoropentanesulfonic acid (PFPeS)	1.0 J		2.0	0.39	ng/L		01/07/26 15:40	01/08/26 09:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	109		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C6 PFDA	108		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C5 PFHxA	114		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C4 PFHpA	110		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C8 PFOA	109		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C9 PFNA	111		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C7 PFUnA	114		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C2 PFDoA	112		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C4 PFBA	108		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C5 PFPeA	105		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C3 PFBS	108		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C3 PFHxS	110		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C8 PFOS	108		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C2-4:2-FTS	118		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C2-6:2-FTS	113		50 - 200				01/07/26 15:40	01/08/26 09:43	1
13C2-8:2-FTS	110		50 - 200				01/07/26 15:40	01/08/26 09:43	1

Client Sample ID: Control-B_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-4

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 09:53	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 09:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/07/26 15:40	01/08/26 09:53	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluorobutanesulfonic acid (PFBS)	22		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluoroheptanoic acid (PFHpA)	8.6		2.0	0.39	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluorohexanoic acid (PFHxA)	27		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluorooctanesulfonic acid (PFOS)	8.9		2.0	0.43	ng/L		01/07/26 15:40	01/08/26 09:53	1

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: Control-B_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-4

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		01/07/26 15:40	01/08/26 09:53	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 09:53	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 09:53	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 15:40	01/08/26 09:53	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluoropentanoic acid (PFPeA)	25		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/07/26 15:40	01/08/26 09:53	1
Perfluoropentanesulfonic acid (PFPeS)	0.98 J		2.0	0.39	ng/L		01/07/26 15:40	01/08/26 09:53	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	105		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C6 PFDA	103		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C5 PFHxA	107		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C4 PFHpA	112		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C8 PFOA	112		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C9 PFNA	111		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C7 PFUnA	107		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C2 PFDoA	111		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C4 PFBA	107		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C5 PFPeA	108		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C3 PFBS	101		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C3 PFHxS	103		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C8 PFOS	105		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C2-4:2-FTS	110		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C2-6:2-FTS	107		50 - 200				01/07/26 15:40	01/08/26 09:53	1
13C2-8:2-FTS	103		50 - 200				01/07/26 15:40	01/08/26 09:53	1

Client Sample ID: GAC-Influent_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-5

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 10:02	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 10:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/07/26 15:40	01/08/26 10:02	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: GAC-Influent_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-5

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluorobutanesulfonic acid (PFBS)	22		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluoroheptanoic acid (PFHpA)	8.6		2.0	0.39	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluorohexanoic acid (PFHxA)	26		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluorooctanesulfonic acid (PFOS)	8.9		2.0	0.43	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluorooctanoic acid (PFOA)	14		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		01/07/26 15:40	01/08/26 10:02	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:02	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 10:02	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 15:40	01/08/26 10:02	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluoropentanoic acid (PFPeA)	25		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/07/26 15:40	01/08/26 10:02	1
Perfluoropentanesulfonic acid (PFPeS)	0.91 J		2.0	0.39	ng/L		01/07/26 15:40	01/08/26 10:02	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	106		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C6 PFDA	109		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C5 PFHxA	113		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C4 PFHpA	116		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C8 PFOA	111		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C9 PFNA	111		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C7 PFUnA	116		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C2 PFDoA	115		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C4 PFBA	111		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C5 PFPeA	112		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C3 PFBS	107		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C3 PFHxS	113		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C8 PFOS	111		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C2-4:2-FTS	120		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C2-6:2-FTS	114		50 - 200	01/07/26 15:40	01/08/26 10:02	1
13C2-8:2-FTS	109		50 - 200	01/07/26 15:40	01/08/26 10:02	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: AER-1A-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-6

Date Collected: 12/31/25 10:27

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 19:13	01/08/26 10:42	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 19:13	01/08/26 10:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/07/26 19:13	01/08/26 10:42	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluoroheptanoic acid (PFHpA)	1.9	J	2.0	0.39	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluorohexanoic acid (PFHxA)	31		2.0	0.46	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.0	0.43	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluorooctanoic acid (PFOA)	0.58	J	2.0	0.38	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/07/26 19:13	01/08/26 10:42	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/07/26 19:13	01/08/26 10:42	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 19:13	01/08/26 10:42	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 19:13	01/08/26 10:42	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/07/26 19:13	01/08/26 10:42	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/07/26 19:13	01/08/26 10:42	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	77		50 - 200				01/07/26 19:13	01/08/26 10:42	1
13C6 PFDA	82		50 - 200				01/07/26 19:13	01/08/26 10:42	1
13C5 PFHxA	87		50 - 200				01/07/26 19:13	01/08/26 10:42	1
13C4 PFHpA	89		50 - 200				01/07/26 19:13	01/08/26 10:42	1
13C8 PFOA	87		50 - 200				01/07/26 19:13	01/08/26 10:42	1
13C9 PFNA	86		50 - 200				01/07/26 19:13	01/08/26 10:42	1
13C7 PFUnA	86		50 - 200				01/07/26 19:13	01/08/26 10:42	1
13C2 PFDoA	89		50 - 200				01/07/26 19:13	01/08/26 10:42	1
13C4 PFBA	95		50 - 200				01/07/26 19:13	01/08/26 10:42	1
13C5 PFPeA	88		50 - 200				01/07/26 19:13	01/08/26 10:42	1
13C3 PFBS	109		50 - 200				01/07/26 19:13	01/08/26 10:42	1
13C3 PFHxS	109		50 - 200				01/07/26 19:13	01/08/26 10:42	1
13C8 PFOS	106		50 - 200				01/07/26 19:13	01/08/26 10:42	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: AER-1A-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-6

Date Collected: 12/31/25 10:27

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-4:2-FTS	134		50 - 200	01/07/26 19:13	01/08/26 10:42	1
13C2-6:2-FTS	124		50 - 200	01/07/26 19:13	01/08/26 10:42	1
13C2-8:2-FTS	119		50 - 200	01/07/26 19:13	01/08/26 10:42	1

Client Sample ID: AER-1B-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-7

Date Collected: 12/31/25 10:27

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 10:12	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 10:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/07/26 15:40	01/08/26 10:12	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluoroheptanoic acid (PFHpA)	2.1		2.0	0.39	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluorohexanoic acid (PFHxA)	26		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluorooctanesulfonic acid (PFOS)	0.94	J	2.0	0.43	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluorooctanoic acid (PFOA)	0.67	J	2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		01/07/26 15:40	01/08/26 10:12	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:12	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 10:12	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 15:40	01/08/26 10:12	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluoropentanoic acid (PFPeA)	24		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/07/26 15:40	01/08/26 10:12	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/07/26 15:40	01/08/26 10:12	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	106		50 - 200				01/07/26 15:40	01/08/26 10:12	1
13C6 PFDA	106		50 - 200				01/07/26 15:40	01/08/26 10:12	1
13C5 PFHxA	113		50 - 200				01/07/26 15:40	01/08/26 10:12	1

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: AER-1B-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-7

Date Collected: 12/31/25 10:27

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	110		50 - 200	01/07/26 15:40	01/08/26 10:12	1
13C8 PFOA	109		50 - 200	01/07/26 15:40	01/08/26 10:12	1
13C9 PFNA	112		50 - 200	01/07/26 15:40	01/08/26 10:12	1
13C7 PFUnA	110		50 - 200	01/07/26 15:40	01/08/26 10:12	1
13C2 PFDoA	113		50 - 200	01/07/26 15:40	01/08/26 10:12	1
13C4 PFBA	108		50 - 200	01/07/26 15:40	01/08/26 10:12	1
13C5 PFPeA	109		50 - 200	01/07/26 15:40	01/08/26 10:12	1
13C3 PFBS	104		50 - 200	01/07/26 15:40	01/08/26 10:12	1
13C3 PFHxS	107		50 - 200	01/07/26 15:40	01/08/26 10:12	1
13C8 PFOS	109		50 - 200	01/07/26 15:40	01/08/26 10:12	1
13C2-4:2-FTS	117		50 - 200	01/07/26 15:40	01/08/26 10:12	1
13C2-6:2-FTS	109		50 - 200	01/07/26 15:40	01/08/26 10:12	1
13C2-8:2-FTS	105		50 - 200	01/07/26 15:40	01/08/26 10:12	1

Client Sample ID: AER-3A-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-8

Date Collected: 12/31/25 10:27

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 10:22	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 10:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/07/26 15:40	01/08/26 10:22	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluoroheptanoic acid (PFHpA)	1.2	J	2.0	0.39	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluorohexanoic acid (PFHxA)	15		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.0	0.43	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluorooctanoic acid (PFOA)	0.75	J	2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		01/07/26 15:40	01/08/26 10:22	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:22	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 10:22	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 15:40	01/08/26 10:22	1
Nonfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 10:22	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: AER-3A-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-8

Date Collected: 12/31/25 10:27

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/07/26 15:40	01/08/26 10:22	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/07/26 15:40	01/08/26 10:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	108		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C6 PFDA	112		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C5 PFHxA	114		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C4 PFHpA	114		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C8 PFOA	112		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C9 PFNA	113		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C7 PFUnA	113		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C2 PFDoA	111		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C4 PFBA	108		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C5 PFPeA	106		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C3 PFBS	104		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C3 PFHxS	109		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C8 PFOS	108		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C2-4:2-FTS	120		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C2-6:2-FTS	111		50 - 200				01/07/26 15:40	01/08/26 10:22	1
13C2-8:2-FTS	108		50 - 200				01/07/26 15:40	01/08/26 10:22	1

Client Sample ID: AER-3B-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-9

Date Collected: 12/31/25 10:27

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 10:31	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 10:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/07/26 15:40	01/08/26 10:31	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluoroheptanoic acid (PFHpA)	1.1	J	2.0	0.39	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluorohexanoic acid (PFHxA)	15		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluorooctanesulfonic acid (PFOS)	0.87	J	2.0	0.43	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluorooctanoic acid (PFOA)	0.99	J	2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		01/07/26 15:40	01/08/26 10:31	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: AER-3B-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-9

Date Collected: 12/31/25 10:27

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:31	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 10:31	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 15:40	01/08/26 10:31	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluoropentanoic acid (PFPeA)	25		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/07/26 15:40	01/08/26 10:31	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/07/26 15:40	01/08/26 10:31	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	108		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C6 PFDA	108		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C5 PFHxA	110		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C4 PFHpA	117		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C8 PFOA	114		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C9 PFNA	110		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C7 PFUnA	118		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C2 PFDoA	113		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C4 PFBA	112		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C5 PFPeA	110		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C3 PFBS	107		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C3 PFHxS	116		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C8 PFOS	113		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C2-4:2-FTS	111		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C2-6:2-FTS	122		50 - 200				01/07/26 15:40	01/08/26 10:31	1
13C2-8:2-FTS	113		50 - 200				01/07/26 15:40	01/08/26 10:31	1

Client Sample ID: AER-2B-CVWD_30,000 EBVs

Lab Sample ID: 380-190533-10

Date Collected: 12/28/25 18:15

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 19:13	01/08/26 10:51	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 19:13	01/08/26 10:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.61	ng/L		01/07/26 19:13	01/08/26 10:51	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.38	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluorodecanoic acid (PFDA)	ND	*5-	2.0	0.32	ng/L		01/07/26 19:13	01/08/26 10:51	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: AER-2B-CVWD_30,000 EBVs

Lab Sample ID: 380-190533-10

Date Collected: 12/28/25 18:15

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.40	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.33	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluorohexanoic acid (PFHxA)	3.0		2.0	0.47	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.41	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluorooctanesulfonic acid (PFOS)	0.82	J	2.0	0.44	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.39	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.43	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.70	ng/L		01/07/26 19:13	01/08/26 10:51	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.39	ng/L		01/07/26 19:13	01/08/26 10:51	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 19:13	01/08/26 10:51	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 19:13	01/08/26 10:51	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.47	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluoropentanoic acid (PFPeA)	21		2.0	0.38	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/07/26 19:13	01/08/26 10:51	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/07/26 19:13	01/08/26 10:51	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	63		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C6 PFDA	48	*5-	50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C5 PFHxA	69		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C4 PFHpA	67		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C8 PFOA	64		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C9 PFNA	59		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C7 PFUnA	52		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C2 PFDoA	66		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C4 PFBA	72		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C5 PFPeA	69		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C3 PFBS	106		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C3 PFHxS	104		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C8 PFOS	103		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C2-4:2-FTS	126		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C2-6:2-FTS	121		50 - 200	01/07/26 19:13	01/08/26 10:51	1
13C2-8:2-FTS	116		50 - 200	01/07/26 19:13	01/08/26 10:51	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: AER-2B-CVWD_60,000 EBVs

Lab Sample ID: 380-190533-11

Date Collected: 01/02/26 10:00

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 10:41	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 10:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/07/26 15:40	01/08/26 10:41	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluoroheptanoic acid (PFHpA)	0.41	J	2.0	0.39	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluorohexanoic acid (PFHxA)	10		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluorooctanesulfonic acid (PFOS)	1.2	J	2.0	0.43	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		01/07/26 15:40	01/08/26 10:41	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:41	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 10:41	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 15:40	01/08/26 10:41	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/07/26 15:40	01/08/26 10:41	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/07/26 15:40	01/08/26 10:41	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	107		50 - 200				01/07/26 15:40	01/08/26 10:41	1
13C6 PFDA	109		50 - 200				01/07/26 15:40	01/08/26 10:41	1
13C5 PFHxA	114		50 - 200				01/07/26 15:40	01/08/26 10:41	1
13C4 PFHpA	114		50 - 200				01/07/26 15:40	01/08/26 10:41	1
13C8 PFOA	113		50 - 200				01/07/26 15:40	01/08/26 10:41	1
13C9 PFNA	110		50 - 200				01/07/26 15:40	01/08/26 10:41	1
13C7 PFUnA	109		50 - 200				01/07/26 15:40	01/08/26 10:41	1
13C2 PFDoA	109		50 - 200				01/07/26 15:40	01/08/26 10:41	1
13C4 PFBA	110		50 - 200				01/07/26 15:40	01/08/26 10:41	1
13C5 PFPeA	109		50 - 200				01/07/26 15:40	01/08/26 10:41	1
13C3 PFBS	109		50 - 200				01/07/26 15:40	01/08/26 10:41	1
13C3 PFHxS	113		50 - 200				01/07/26 15:40	01/08/26 10:41	1
13C8 PFOS	109		50 - 200				01/07/26 15:40	01/08/26 10:41	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: AER-2B-CVWD_60,000 EBVs

Lab Sample ID: 380-190533-11

Date Collected: 01/02/26 10:00

Matrix: Water

Date Received: 01/06/26 10:12

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-4:2-FTS	122		50 - 200	01/07/26 15:40	01/08/26 10:41	1
13C2-6:2-FTS	115		50 - 200	01/07/26 15:40	01/08/26 10:41	1
13C2-8:2-FTS	107		50 - 200	01/07/26 15:40	01/08/26 10:41	1

Isotope Dilution Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFDaA (50-200)
380-190533-1	GAC-1A_CVWD_40,000 EBVs	80	93	89	93	93	94	97	101
380-190533-2	GAC-1B_CVWD_40,000 EBVs	98	106	103	105	111	105	103	103
380-190533-3	Control-A_CVWD_40,000 EBVs	109	108	114	110	109	111	114	112
380-190533-4	Control-B_CVWD_40,000 EBVs	105	103	107	112	112	111	107	111
380-190533-5	GAC-Influent_CVWD_40,000 EBVs	106	109	113	116	111	111	116	115
380-190533-6	AER-1A-CVWD_120,000 EBVs	77	82	87	89	87	86	86	89
380-190533-7	AER-1B-CVWD_120,000 EBVs	106	106	113	110	109	112	110	113
380-190533-8	AER-3A-CVWD_120,000 EBVs	108	112	114	114	112	113	113	111
380-190533-9	AER-3B-CVWD_120,000 EBVs	108	108	110	117	114	110	118	113
380-190533-10	AER-2B-CVWD_30,000 EBVs	63	48 *5-	69	67	64	59	52	66
380-190533-11	AER-2B-CVWD_60,000 EBVs	107	109	114	114	113	110	109	109
LCS 380-196122/22-A	Lab Control Sample	95	106	101	104	105	103	107	105
LCS 380-196228/22-A	Lab Control Sample	105	107	111	110	110	106	113	111
LCS 380-196287/22-A	Lab Control Sample	95	95	92	101	101	97	97	97
MBL 380-196122/20-A	Method Blank	82	104	101	101	107	104	100	97
MBL 380-196228/20-A	Method Blank	104	116	118	116	114	114	109	115
MBL 380-196287/20-A	Method Blank	95	102	99	105	108	105	102	99
MRL 380-196122/21-A	Lab Control Sample	87	103	100	101	106	101	100	100
MRL 380-196228/21-A	Lab Control Sample	108	114	119	117	117	119	116	116
MRL 380-196287/21-A	Lab Control Sample	95	99	97	101	103	99	100	100

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA (50-200)	PFPeA (50-200)	C3PFBS (50-200)	C3PFHS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)
380-190533-1	GAC-1A_CVWD_40,000 EBVs	98	94	110	111	109	125	113	111
380-190533-2	GAC-1B_CVWD_40,000 EBVs	104	105	108	108	107	117	110	113
380-190533-3	Control-A_CVWD_40,000 EBVs	108	105	108	110	108	118	113	110
380-190533-4	Control-B_CVWD_40,000 EBVs	107	108	101	103	105	110	107	103
380-190533-5	GAC-Influent_CVWD_40,000 EBVs	111	112	107	113	111	120	114	109
380-190533-6	AER-1A-CVWD_120,000 EBVs	95	88	109	109	106	134	124	119
380-190533-7	AER-1B-CVWD_120,000 EBVs	108	109	104	107	109	117	109	105
380-190533-8	AER-3A-CVWD_120,000 EBVs	108	106	104	109	108	120	111	108
380-190533-9	AER-3B-CVWD_120,000 EBVs	112	110	107	116	113	111	122	113
380-190533-10	AER-2B-CVWD_30,000 EBVs	72	69	106	104	103	126	121	116
380-190533-11	AER-2B-CVWD_60,000 EBVs	110	109	109	113	109	122	115	107
LCS 380-196122/22-A	Lab Control Sample	104	104	108	109	106	116	109	106
LCS 380-196228/22-A	Lab Control Sample	108	107	112	110	111	108	109	102
LCS 380-196287/22-A	Lab Control Sample	101	103	102	103	100	110	125	105
MBL 380-196122/20-A	Method Blank	101	105	103	105	103	123	111	106
MBL 380-196228/20-A	Method Blank	115	119	116	112	110	115	110	104
MBL 380-196287/20-A	Method Blank	102	98	105	103	104	118	128	105
MRL 380-196122/21-A	Lab Control Sample	109	101	109	108	102	113	110	109
MRL 380-196228/21-A	Lab Control Sample	115	112	113	116	115	114	108	103
MRL 380-196287/21-A	Lab Control Sample	105	103	109	103	104	116	117	108

Surrogate Legend

HFPODA = 13C3 HFPO-DA
C6PFDA = 13C6 PFDA

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Isotope Dilution Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

- 13C5PHA = 13C5 PFHxA
- C4PFHA = 13C4 PFHpA
- C8PFOA = 13C8 PFOA
- C9PFNA = 13C9 PFNA
- 13C7PUA = 13C7 PFUnA
- PFDoA = 13C2 PFDoA
- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- C3PFBS = 13C3 PFBS
- C3PFHS = 13C3 PFHxS
- C8PFOS = 13C8 PFOS
- 42FTS = 13C2-4:2-FTS
- 62FTS = 13C2-6:2-FTS
- 82FTS = 13C2-8:2-FTS

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Lab Sample ID: MBL 380-196122/20-A

Matrix: Water

Analysis Batch: 196275

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 196122

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 07:25	01/07/26 22:13	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 07:25	01/07/26 22:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/07/26 07:25	01/07/26 22:13	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.43	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluorobutanoic acid (PFBA)	ND		2.0	0.69	ng/L		01/07/26 07:25	01/07/26 22:13	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/07/26 07:25	01/07/26 22:13	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 07:25	01/07/26 22:13	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 07:25	01/07/26 22:13	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/07/26 07:25	01/07/26 22:13	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/07/26 07:25	01/07/26 22:13	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	82		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C6 PFDA	104		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C5 PFHxA	101		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C4 PFHpA	101		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C8 PFOA	107		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C9 PFNA	104		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C7 PFUnA	100		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C2 PFDoA	97		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C4 PFBA	101		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C5 PFPeA	105		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C3 PFBS	103		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C3 PFHxS	105		50 - 200	01/07/26 07:25	01/07/26 22:13	1

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 380-196122/20-A

Matrix: Water

Analysis Batch: 196275

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 196122

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	103		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C2-4:2-FTS	123		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C2-6:2-FTS	111		50 - 200	01/07/26 07:25	01/07/26 22:13	1
13C2-8:2-FTS	106		50 - 200	01/07/26 07:25	01/07/26 22:13	1

Lab Sample ID: LCS 380-196122/22-A

Matrix: Water

Analysis Batch: 196275

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196122

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	120	107		ng/L		89	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	120	106		ng/L		88	70 - 130
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	120	110		ng/L		91	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	120	106		ng/L		88	70 - 130
Perfluorobutanesulfonic acid (PFBS)	120	114		ng/L		94	70 - 130
Perfluorodecanoic acid (PFDA)	120	112		ng/L		93	70 - 130
Perfluorododecanoic acid (PFDaA)	120	107		ng/L		89	70 - 130
Perfluoroheptanoic acid (PFHpA)	120	109		ng/L		91	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	120	111		ng/L		93	70 - 130
Perfluorohexanoic acid (PFHxA)	120	118		ng/L		98	70 - 130
Perfluorononanoic acid (PFNA)	120	111		ng/L		93	70 - 130
Perfluorooctanesulfonic acid (PFOS)	120	115		ng/L		95	70 - 130
Perfluorooctanoic acid (PFOA)	120	108		ng/L		90	70 - 130
Perfluoroundecanoic acid (PFUnA)	120	113		ng/L		94	70 - 130
Perfluorobutanoic acid (PFBA)	120	111		ng/L		92	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	120	115		ng/L		95	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	120	104		ng/L		86	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120	110		ng/L		92	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	120	103		ng/L		86	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	120	107		ng/L		88	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	120	108		ng/L		89	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	120	108		ng/L		90	70 - 130
Perfluoropentanoic acid (PFPeA)	120	108		ng/L		89	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	120	113		ng/L		94	70 - 130

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-196122/22-A

Matrix: Water

Analysis Batch: 196275

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196122

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	120	109		ng/L		91	70 - 130
	LCS	LCS					
Isotope Dilution	%Recovery	Qualifier	Limits				
13C3 HFPO-DA	95		50 - 200				
13C6 PFDA	106		50 - 200				
13C5 PFHxA	101		50 - 200				
13C4 PFHpA	104		50 - 200				
13C8 PFOA	105		50 - 200				
13C9 PFNA	103		50 - 200				
13C7 PFUnA	107		50 - 200				
13C2 PFDoA	105		50 - 200				
13C4 PFBA	104		50 - 200				
13C5 PFPeA	104		50 - 200				
13C3 PFBS	108		50 - 200				
13C3 PFHxS	109		50 - 200				
13C8 PFOS	106		50 - 200				
13C2-4:2-FTS	116		50 - 200				
13C2-6:2-FTS	109		50 - 200				
13C2-8:2-FTS	106		50 - 200				

Lab Sample ID: MRL 380-196122/21-A

Matrix: Water

Analysis Batch: 196275

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196122

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.01	1.87	J	ng/L		93	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	2.01	1.80	J	ng/L		90	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.01	1.95	J	ng/L		97	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.01	2.01		ng/L		100	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.01	2.07		ng/L		103	50 - 150
Perfluorodecanoic acid (PFDA)	2.01	2.07		ng/L		103	50 - 150
Perfluorododecanoic acid (PFDoA)	2.01	2.04		ng/L		102	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.01	2.03		ng/L		101	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.01	2.00		ng/L		99	50 - 150
Perfluorohexanoic acid (PFHxA)	2.01	2.16		ng/L		108	50 - 150
Perfluorononanoic acid (PFNA)	2.01	2.10		ng/L		104	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.01	2.11		ng/L		105	50 - 150
Perfluorooctanoic acid (PFOA)	2.01	2.00		ng/L		99	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.01	2.02		ng/L		100	50 - 150
Perfluorobutanoic acid (PFBA)	2.01	2.03		ng/L		101	50 - 150

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MRL 380-196122/21-A

Matrix: Water

Analysis Batch: 196275

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196122

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.01	2.25		ng/L		112	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.01	2.02		ng/L		101	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.01	2.27		ng/L		113	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.01	2.14		ng/L		107	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	2.01	1.85	J	ng/L		92	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.01	1.85	J	ng/L		92	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.01	2.01		ng/L		100	50 - 150
Perfluoropentanoic acid (PFPeA)	2.01	2.04		ng/L		101	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.01	2.00		ng/L		100	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.01	1.88	J	ng/L		94	50 - 150

Isotope Dilution	MRL %Recovery	MRL Qualifier	MRL Limits
13C3 HFPO-DA	87		50 - 200
13C6 PFDA	103		50 - 200
13C5 PFHxA	100		50 - 200
13C4 PFHpA	101		50 - 200
13C8 PFOA	106		50 - 200
13C9 PFNA	101		50 - 200
13C7 PFUnA	100		50 - 200
13C2 PFDoA	100		50 - 200
13C4 PFBA	109		50 - 200
13C5 PFPeA	101		50 - 200
13C3 PFBS	109		50 - 200
13C3 PFHxS	108		50 - 200
13C8 PFOS	102		50 - 200
13C2-4:2-FTS	113		50 - 200
13C2-6:2-FTS	110		50 - 200
13C2-8:2-FTS	109		50 - 200

Lab Sample ID: MBL 380-196228/20-A

Matrix: Water

Analysis Batch: 196369

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 196228

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 08:44	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 15:40	01/08/26 08:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/07/26 15:40	01/08/26 08:44	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 08:44	1

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 380-196228/20-A

Matrix: Water

Analysis Batch: 196369

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 196228

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.43	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluorobutanoic acid (PFBA)	ND		2.0	0.69	ng/L		01/07/26 15:40	01/08/26 08:44	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 08:44	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 15:40	01/08/26 08:44	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 15:40	01/08/26 08:44	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/07/26 15:40	01/08/26 08:44	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/07/26 15:40	01/08/26 08:44	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	104		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C6 PFDA	116		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C5 PFHxA	118		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C4 PFHpA	116		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C8 PFOA	114		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C9 PFNA	114		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C7 PFUnA	109		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C2 PFDoA	115		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C4 PFBA	115		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C5 PFPeA	119		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C3 PFBS	116		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C3 PFHxS	112		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C8 PFOS	110		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C2-4:2-FTS	115		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C2-6:2-FTS	110		50 - 200	01/07/26 15:40	01/08/26 08:44	1
13C2-8:2-FTS	104		50 - 200	01/07/26 15:40	01/08/26 08:44	1

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-196228/22-A

Matrix: Water

Analysis Batch: 196369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196228

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	120	103		ng/L		85	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9CI-PF3ONS)	120	105		ng/L		87	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	120	112		ng/L		93	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	120	110		ng/L		91	70 - 130
Perfluorobutanesulfonic acid (PFBS)	120	105		ng/L		87	70 - 130
Perfluorodecanoic acid (PFDA)	120	108		ng/L		89	70 - 130
Perfluorododecanoic acid (PFDoA)	120	108		ng/L		90	70 - 130
Perfluoroheptanoic acid (PFHpA)	120	110		ng/L		92	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	120	110		ng/L		91	70 - 130
Perfluorohexanoic acid (PFHxA)	120	107		ng/L		89	70 - 130
Perfluorononanoic acid (PFNA)	120	108		ng/L		90	70 - 130
Perfluorooctanesulfonic acid (PFOS)	120	106		ng/L		88	70 - 130
Perfluorooctanoic acid (PFOA)	120	111		ng/L		92	70 - 130
Perfluoroundecanoic acid (PFUnA)	120	106		ng/L		88	70 - 130
Perfluorobutanoic acid (PFBA)	120	108		ng/L		90	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	120	113		ng/L		93	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	120	109		ng/L		91	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120	108		ng/L		89	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	120	107		ng/L		89	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	120	109		ng/L		91	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	120	109		ng/L		91	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	120	107		ng/L		88	70 - 130
Perfluoropentanoic acid (PFPeA)	120	106		ng/L		88	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	120	112		ng/L		93	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	120	111		ng/L		92	70 - 130

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C3 HFPO-DA	105		50 - 200
13C6 PFDA	107		50 - 200
13C5 PFHxA	111		50 - 200
13C4 PFHpA	110		50 - 200
13C8 PFOA	110		50 - 200
13C9 PFNA	106		50 - 200

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-196228/22-A

Matrix: Water

Analysis Batch: 196369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196228

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C7 PFUnA	113		50 - 200
13C2 PFDoA	111		50 - 200
13C4 PFBA	108		50 - 200
13C5 PFPeA	107		50 - 200
13C3 PFBS	112		50 - 200
13C3 PFHxS	110		50 - 200
13C8 PFOS	111		50 - 200
13C2-4:2-FTS	108		50 - 200
13C2-6:2-FTS	109		50 - 200
13C2-8:2-FTS	102		50 - 200

Lab Sample ID: MRL 380-196228/21-A

Matrix: Water

Analysis Batch: 196369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196228

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.01	1.83	J	ng/L		91	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.01	1.87	J	ng/L		93	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.01	2.02		ng/L		101	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.01	1.97	J	ng/L		98	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.01	1.95	J	ng/L		97	50 - 150
Perfluorodecanoic acid (PFDA)	2.01	2.02		ng/L		101	50 - 150
Perfluorododecanoic acid (PFDoA)	2.01	1.98	J	ng/L		99	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.01	1.96	J	ng/L		98	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.01	1.92	J	ng/L		95	50 - 150
Perfluorohexanoic acid (PFHxA)	2.01	2.00		ng/L		99	50 - 150
Perfluorononanoic acid (PFNA)	2.01	1.90	J	ng/L		95	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.01	2.04		ng/L		102	50 - 150
Perfluorooctanoic acid (PFOA)	2.01	2.09		ng/L		104	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.01	2.02		ng/L		101	50 - 150
Perfluorobutanoic acid (PFBA)	2.01	1.93	J	ng/L		96	50 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.01	2.09		ng/L		104	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.01	2.00		ng/L		100	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.01	2.24		ng/L		112	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.01	1.98	J	ng/L		98	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	2.01	1.88	J	ng/L		94	50 - 150

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MRL 380-196228/21-A

Matrix: Water

Analysis Batch: 196369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196228

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.01	1.91	J	ng/L		95	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.01	2.00		ng/L		100	50 - 150
Perfluoropentanoic acid (PFPeA)	2.01	1.89	J	ng/L		94	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.01	1.92	J	ng/L		96	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.01	1.87	J	ng/L		93	50 - 150

Isotope Dilution	MRL %Recovery	MRL Qualifier	Limits
13C3 HFPO-DA	108		50 - 200
13C6 PFDA	114		50 - 200
13C5 PFHxA	119		50 - 200
13C4 PFHpA	117		50 - 200
13C8 PFOA	117		50 - 200
13C9 PFNA	119		50 - 200
13C7 PFUnA	116		50 - 200
13C2 PFDoA	116		50 - 200
13C4 PFBA	115		50 - 200
13C5 PFPeA	112		50 - 200
13C3 PFBS	113		50 - 200
13C3 PFHxS	116		50 - 200
13C8 PFOS	115		50 - 200
13C2-4:2-FTS	114		50 - 200
13C2-6:2-FTS	108		50 - 200
13C2-8:2-FTS	103		50 - 200

Lab Sample ID: MBL 380-196287/20-A

Matrix: Water

Analysis Batch: 196362

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 196287

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/07/26 19:13	01/08/26 07:42	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/07/26 19:13	01/08/26 07:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/07/26 19:13	01/08/26 07:42	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.43	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/07/26 19:13	01/08/26 07:42	1

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 380-196287/20-A

Matrix: Water

Analysis Batch: 196362

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 196287

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		2.0	0.69	ng/L		01/07/26 19:13	01/08/26 07:42	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/07/26 19:13	01/08/26 07:42	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/07/26 19:13	01/08/26 07:42	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/07/26 19:13	01/08/26 07:42	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/07/26 19:13	01/08/26 07:42	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/07/26 19:13	01/08/26 07:42	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	95		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C6 PFDA	102		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C5 PFHxA	99		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C4 PFHpA	105		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C8 PFOA	108		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C9 PFNA	105		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C7 PFUnA	102		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C2 PFDoA	99		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C4 PFBA	102		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C5 PFPeA	98		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C3 PFBS	105		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C3 PFHxS	103		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C8 PFOS	104		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C2-4:2-FTS	118		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C2-6:2-FTS	128		50 - 200	01/07/26 19:13	01/08/26 07:42	1
13C2-8:2-FTS	105		50 - 200	01/07/26 19:13	01/08/26 07:42	1

Lab Sample ID: LCS 380-196287/22-A

Matrix: Water

Analysis Batch: 196362

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196287

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	120	106		ng/L		88	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	120	108		ng/L		90	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	120	108		ng/L		90	70 - 130

Eurofins Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-196287/22-A

Matrix: Water

Analysis Batch: 196362

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196287

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexafluoropropylene Oxide	120	115		ng/L		95	70 - 130
Dimer Acid (HFPO-DA/GenX)							
Perfluorobutanesulfonic acid (PFBS)	120	117		ng/L		97	70 - 130
Perfluorodecanoic acid (PFDA)	120	119		ng/L		99	70 - 130
Perfluorododecanoic acid (PFDoA)	120	113		ng/L		94	70 - 130
Perfluoroheptanoic acid (PFHpA)	120	116		ng/L		96	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	120	112		ng/L		93	70 - 130
Perfluorohexanoic acid (PFHxA)	120	123		ng/L		102	70 - 130
Perfluorononanoic acid (PFNA)	120	114		ng/L		95	70 - 130
Perfluorooctanesulfonic acid (PFOS)	120	115		ng/L		96	70 - 130
Perfluorooctanoic acid (PFOA)	120	113		ng/L		93	70 - 130
Perfluoroundecanoic acid (PFUnA)	120	118		ng/L		98	70 - 130
Perfluorobutanoic acid (PFBA)	120	114		ng/L		95	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	120	116		ng/L		96	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	120	115		ng/L		95	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120	115		ng/L		95	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	120	110		ng/L		91	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	120	109		ng/L		90	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	120	106		ng/L		88	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	120	108		ng/L		90	70 - 130
Perfluoropentanoic acid (PFPeA)	120	112		ng/L		93	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	120	116		ng/L		97	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	120	112		ng/L		93	70 - 130

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C3 HFPO-DA	95		50 - 200
13C6 PFDA	95		50 - 200
13C5 PFHxA	92		50 - 200
13C4 PFHpA	101		50 - 200
13C8 PFOA	101		50 - 200
13C9 PFNA	97		50 - 200
13C7 PFUnA	97		50 - 200
13C2 PFDoA	97		50 - 200
13C4 PFBA	101		50 - 200
13C5 PFPeA	103		50 - 200
13C3 PFBS	102		50 - 200
13C3 PFHxS	103		50 - 200
13C8 PFOS	100		50 - 200

Eurofins Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-196287/22-A

Matrix: Water

Analysis Batch: 196362

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196287

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2-4:2-FTS	110		50 - 200
13C2-6:2-FTS	125		50 - 200
13C2-8:2-FTS	105		50 - 200

Lab Sample ID: MRL 380-196287/21-A

Matrix: Water

Analysis Batch: 196362

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196287

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.01	1.84	J	ng/L		92	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	2.01	1.81	J	ng/L		90	50 - 150
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	2.01	2.00		ng/L		99	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.01	2.00		ng/L		100	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.01	1.96	J	ng/L		97	50 - 150
Perfluorodecanoic acid (PFDA)	2.01	2.15		ng/L		107	50 - 150
Perfluorododecanoic acid (PFDoA)	2.01	2.24		ng/L		112	50 - 150
Perfluorooheptanoic acid (PFHpA)	2.01	2.11		ng/L		105	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.01	2.04		ng/L		101	50 - 150
Perfluorohexanoic acid (PFHxA)	2.01	2.05		ng/L		102	50 - 150
Perfluorononanoic acid (PFNA)	2.01	2.14		ng/L		107	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.01	2.01		ng/L		100	50 - 150
Perfluorooctanoic acid (PFOA)	2.01	2.08		ng/L		104	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.01	2.15		ng/L		107	50 - 150
Perfluorobutanoic acid (PFBA)	2.01	2.02		ng/L		100	50 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.01	2.21		ng/L		110	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.01	2.05		ng/L		102	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.01	2.28		ng/L		113	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.01	2.04		ng/L		102	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.01	1.82	J	ng/L		91	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.01	1.83	J	ng/L		91	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.01	2.05		ng/L		102	50 - 150
Perfluoropentanoic acid (PFPeA)	2.01	1.95	J	ng/L		97	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.01	2.00		ng/L		99	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.01	1.99	J	ng/L		99	50 - 150

Eurofins Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	MRL		Limits
	%Recovery	Qualifier	
13C3 HFPO-DA	95		50 - 200
13C6 PFDA	99		50 - 200
13C5 PFHxA	97		50 - 200
13C4 PFHpA	101		50 - 200
13C8 PFOA	103		50 - 200
13C9 PFNA	99		50 - 200
13C7 PFUnA	100		50 - 200
13C2 PFDoA	100		50 - 200
13C4 PFBA	105		50 - 200
13C5 PFPeA	103		50 - 200
13C3 PFBS	109		50 - 200
13C3 PFHxS	103		50 - 200
13C8 PFOS	104		50 - 200
13C2-4:2-FTS	116		50 - 200
13C2-6:2-FTS	117		50 - 200
13C2-8:2-FTS	108		50 - 200

QC Association Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

LCMS

Prep Batch: 196122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190533-1	GAC-1A_CVWD_40,000 EBVs	Total/NA	Water	533	
380-190533-2	GAC-1B_CVWD_40,000 EBVs	Total/NA	Water	533	
MBL 380-196122/20-A	Method Blank	Total/NA	Water	533	
LCS 380-196122/22-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-196122/21-A	Lab Control Sample	Total/NA	Water	533	

Prep Batch: 196228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190533-3	Control-A_CVWD_40,000 EBVs	Total/NA	Water	533	
380-190533-4	Control-B_CVWD_40,000 EBVs	Total/NA	Water	533	
380-190533-5	GAC-Influent_CVWD_40,000 EBVs	Total/NA	Water	533	
380-190533-7	AER-1B-CVWD_120,000 EBVs	Total/NA	Water	533	
380-190533-8	AER-3A-CVWD_120,000 EBVs	Total/NA	Water	533	
380-190533-9	AER-3B-CVWD_120,000 EBVs	Total/NA	Water	533	
380-190533-11	AER-2B-CVWD_60,000 EBVs	Total/NA	Water	533	
MBL 380-196228/20-A	Method Blank	Total/NA	Water	533	
LCS 380-196228/22-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-196228/21-A	Lab Control Sample	Total/NA	Water	533	

Analysis Batch: 196275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190533-1	GAC-1A_CVWD_40,000 EBVs	Total/NA	Water	533	196122
380-190533-2	GAC-1B_CVWD_40,000 EBVs	Total/NA	Water	533	196122
MBL 380-196122/20-A	Method Blank	Total/NA	Water	533	196122
LCS 380-196122/22-A	Lab Control Sample	Total/NA	Water	533	196122
MRL 380-196122/21-A	Lab Control Sample	Total/NA	Water	533	196122

Prep Batch: 196287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190533-6	AER-1A-CVWD_120,000 EBVs	Total/NA	Water	533	
380-190533-10	AER-2B-CVWD_30,000 EBVs	Total/NA	Water	533	
MBL 380-196287/20-A	Method Blank	Total/NA	Water	533	
LCS 380-196287/22-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-196287/21-A	Lab Control Sample	Total/NA	Water	533	

Analysis Batch: 196362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190533-6	AER-1A-CVWD_120,000 EBVs	Total/NA	Water	533	196287
380-190533-10	AER-2B-CVWD_30,000 EBVs	Total/NA	Water	533	196287
MBL 380-196287/20-A	Method Blank	Total/NA	Water	533	196287
LCS 380-196287/22-A	Lab Control Sample	Total/NA	Water	533	196287
MRL 380-196287/21-A	Lab Control Sample	Total/NA	Water	533	196287

Analysis Batch: 196369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190533-3	Control-A_CVWD_40,000 EBVs	Total/NA	Water	533	196228
380-190533-4	Control-B_CVWD_40,000 EBVs	Total/NA	Water	533	196228
380-190533-5	GAC-Influent_CVWD_40,000 EBVs	Total/NA	Water	533	196228
380-190533-7	AER-1B-CVWD_120,000 EBVs	Total/NA	Water	533	196228
380-190533-8	AER-3A-CVWD_120,000 EBVs	Total/NA	Water	533	196228
380-190533-9	AER-3B-CVWD_120,000 EBVs	Total/NA	Water	533	196228

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QC Association Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

LCMS (Continued)

Analysis Batch: 196369 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190533-11	AER-2B-CVWD_60,000 EBVs	Total/NA	Water	533	196228
MBL 380-196228/20-A	Method Blank	Total/NA	Water	533	196228
LCS 380-196228/22-A	Lab Control Sample	Total/NA	Water	533	196228
MRL 380-196228/21-A	Lab Control Sample	Total/NA	Water	533	196228

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: GAC-1A_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-1

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			196122	XTD8	EA POM	01/07/26 07:25
Total/NA	Analysis	533		1	196275	M7ML	EA POM	01/07/26 23:10

Client Sample ID: GAC-1B_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-2

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			196122	XTD8	EA POM	01/07/26 07:25
Total/NA	Analysis	533		1	196275	M7ML	EA POM	01/07/26 23:20

Client Sample ID: Control-A_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-3

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			196228	E2HD	EA POM	01/07/26 15:40
Total/NA	Analysis	533		1	196369	SZ9R	EA POM	01/08/26 09:43

Client Sample ID: Control-B_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-4

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			196228	E2HD	EA POM	01/07/26 15:40
Total/NA	Analysis	533		1	196369	SZ9R	EA POM	01/08/26 09:53

Client Sample ID: GAC-Influent_CVWD_40,000 EBVs

Lab Sample ID: 380-190533-5

Date Collected: 01/02/26 07:47

Matrix: Water

Date Received: 01/06/26 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			196228	E2HD	EA POM	01/07/26 15:40
Total/NA	Analysis	533		1	196369	SZ9R	EA POM	01/08/26 10:02

Client Sample ID: AER-1A-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-6

Date Collected: 12/31/25 10:27

Matrix: Water

Date Received: 01/06/26 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			196287	N8NE	EA POM	01/07/26 19:13
Total/NA	Analysis	533		1	196362	SZ9R	EA POM	01/08/26 10:42

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Client Sample ID: AER-1B-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-7

Date Collected: 12/31/25 10:27

Matrix: Water

Date Received: 01/06/26 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			196228	E2HD	EA POM	01/07/26 15:40
Total/NA	Analysis	533		1	196369	SZ9R	EA POM	01/08/26 10:12

Client Sample ID: AER-3A-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-8

Date Collected: 12/31/25 10:27

Matrix: Water

Date Received: 01/06/26 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			196228	E2HD	EA POM	01/07/26 15:40
Total/NA	Analysis	533		1	196369	SZ9R	EA POM	01/08/26 10:22

Client Sample ID: AER-3B-CVWD_120,000 EBVs

Lab Sample ID: 380-190533-9

Date Collected: 12/31/25 10:27

Matrix: Water

Date Received: 01/06/26 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			196228	E2HD	EA POM	01/07/26 15:40
Total/NA	Analysis	533		1	196369	SZ9R	EA POM	01/08/26 10:31

Client Sample ID: AER-2B-CVWD_30,000 EBVs

Lab Sample ID: 380-190533-10

Date Collected: 12/28/25 18:15

Matrix: Water

Date Received: 01/06/26 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			196287	N8NE	EA POM	01/07/26 19:13
Total/NA	Analysis	533		1	196362	SZ9R	EA POM	01/08/26 10:51

Client Sample ID: AER-2B-CVWD_60,000 EBVs

Lab Sample ID: 380-190533-11

Date Collected: 01/02/26 10:00

Matrix: Water

Date Received: 01/06/26 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			196228	E2HD	EA POM	01/07/26 15:40
Total/NA	Analysis	533		1	196369	SZ9R	EA POM	01/08/26 10:41

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Laboratory: Eurofins Pomona

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11320	04-01-26
Utah	NELAP	CA00006	01-31-27

1
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Method Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA POM
533	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	EA POM

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-190533-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-190533-1	GAC-1A_CVWD_40,000 EBVs	Water	01/02/26 07:47	01/06/26 10:12	Washington
380-190533-2	GAC-1B_CVWD_40,000 EBVs	Water	01/02/26 07:47	01/06/26 10:12	Washington
380-190533-3	Control-A_CVWD_40,000 EBVs	Water	01/02/26 07:47	01/06/26 10:12	Washington
380-190533-4	Control-B_CVWD_40,000 EBVs	Water	01/02/26 07:47	01/06/26 10:12	Washington
380-190533-5	GAC-Influent_CVWD_40,000 EBVs	Water	01/02/26 07:47	01/06/26 10:12	Washington
380-190533-6	AER-1A-CVWD_120,000 EBVs	Water	12/31/25 10:27	01/06/26 10:12	Washington
380-190533-7	AER-1B-CVWD_120,000 EBVs	Water	12/31/25 10:27	01/06/26 10:12	Washington
380-190533-8	AER-3A-CVWD_120,000 EBVs	Water	12/31/25 10:27	01/06/26 10:12	Washington
380-190533-9	AER-3B-CVWD_120,000 EBVs	Water	12/31/25 10:27	01/06/26 10:12	Washington
380-190533-10	AER-2B-CVWD_30,000 EBVs	Water	12/28/25 18:15	01/06/26 10:12	Washington
380-190533-11	AER-2B-CVWD_60,000 EBVs	Water	01/02/26 10:00	01/06/26 10:12	Washington

Eurofins Eaton Analytical Pomona

941 Corporate Center Drive
Pomona, CA 91768-2642
Phone (626) 396-1100

Chain of Custody Record



Environment Testing

Client Information		Sampler: PH, JMW AT PB		Lab PM: Novshadayan, Christine		Carrier Tracking (No):		COC No: 380-82416-24232.1	
Client Contact: Paul Ho		Phone: 425-519-8300		E-Mail: Christine.Novshadayan@eurofins.com		State of Origin: WA		Page: Page 1 of 1	
Company: CDM Smith Inc		PWSID:		Analysis Requested		Job #:		Preservation Codes: 1 NHH Acetate	
Address: 14432 S.E. Eastgate Way Suite 100		Due Date Requested:		TAT Requested (days): Standard TAT		Compliance Project: Δ Yes Δ No		Total Number of Containers: 380-190533 COC	
City: Bellevue		State: WA		Zip: 98007-6493		Phone: 425-519-8314(Tel)		Other:	
Email: hopc@cdmsmith.com		Project #:		38010498		SSOW#:		Special Instructions/Note:	
Project Name: Crescentia Valley RSSCT		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix	
Site:		12/26		7:47		G		W	
Sample Identification		12/26		7:47		G		W	
GAC-1A_CVWD_40 000 EBVs		12/26		7:47		G		W	
GAC-1B_CVWD_40 000 EBVs		12/26		7:47		G		W	
Control-A_CVWD_40 000 EBVs		12/26		7:47		G		W	
Control-B_CVWD_40 000 EBVs		12/26		7:47		G		W	
GAC-Influent_CVWD_40 000 EBVs		12/26		7:47		G		W	
AER-1A-CVWD_120 000 EBVs		12/31/25		10:27		G		W	
AER-1B-CVWD_120 000 EBVs		12/31/25		10:27		G		W	
AER-3A-CVWD_120 000 EBVs		12/31/25		10:27		G		W	
AER-3B-CVWD_120 000 EBVs		12/31/25		10:27		G		W	
AER-2B-CVWD_30 000 EBVs		12/28/25		18:15		G		W	
AER-2B-CVWD_60 000 EBVs		12/26		10:00		G		W	
Possible Hazard Identification		☐ Non-Hazard		☐ Flammable		☐ Skin Irritant		☐ Poison B	
Deliverable Requested: I II III IV Other (specify)		☐ Unknown		☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		☐ Return To Client ☐ Archive For Months	
Empty Kit Relinquished by		Date:		Time:		Method of Shipment:		Received by	
Relinquished by: Penelope Boyes		Date/Time: 10/5/2025 15:00		Company: CDM Smith		Received by: [Signature]		Date/Time: 1/2/26 16:12	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: (14) 51-02-4, 9 dec 410207		Ver 03/06/2024			

Login Sample Receipt Checklist

Client: CDM Smith Inc

Job Number: 380-190533-1

Login Number: 190533

List Number: 1

Creator: Segura, Ryan

List Source: Eurofins Pomona

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Sample Preservative Verified	True	
Container provided by EEA	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Julie Devon
CDM Smith Inc
14432 S.E. Eastgate Way
Suite 100
Bellevue, Washington 98007-6493

Generated 1/27/2026 4:48:29 PM

JOB DESCRIPTION

Crescenta Valley RSSCT

JOB NUMBER

380-193234-1

Eurofins Pomona

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater West, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.
(DW, Water matrices)

Authorization



Authorized for release by
Christine Novshadayan, Project Manager
Christine.Novshadayan@et.eurofinsus.com
(626)386-1100

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1/27/2026 4:48:29 PM

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Definitions/Glossary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: CDM Smith Inc
Project: Crescenta Valley RSSCT

Job ID: 380-193234-1

Job ID: 380-193234-1

Eurofins Pomona

Job Narrative 380-193234-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 1/20/2026 10:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C.

Receipt Exceptions

Sample ID on container label says GAC-1B-AS_CVWD_50. Sample ID on COC says GAC-2A-AS_CVWD_50. Logged as listed on COC.

CLIENT WAS NOTIFIED ON 1/21/26 AT 10:45AM AND PROVIDED A REVISED COC WITH CORRECT SAMPLE ID PER BETH ZIEGELMEYER ON 1/21/26 AT 1:03PM (TW7D)

PFAS

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

Metals

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

Eurofins Pomona

Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: GAC-1A_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	8.3		2.0	0.37	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	15		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.63	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	44		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: GAC-1B_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	9.4		2.0	0.37	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	15		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.67	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.82	J	2.0	0.48	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	43		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: Control-A_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	0.38	J	2.0	0.30	ng/L	1		533	Total/NA
Perfluorobutanesulfonic acid (PFBS)	23		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.9		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	27		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.9		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.3	J	2.0	0.39	ng/L	1		533	Total/NA

Client Sample ID: Control-B_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	23		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.7		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	27		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.6		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.3	J	2.0	0.39	ng/L	1		533	Total/NA

Client Sample ID: GAC-Influent_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	22		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.6		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	28		2.0	0.46	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pomona

Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: GAC-Influent_CVWD_60,000 EBVs (Continued)

Lab Sample ID: 380-193234-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	9.5		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.3	J	2.0	0.39	ng/L	1		533	Total/NA

Client Sample ID: AER-2A_CVWD_30,000 EBVs

Lab Sample ID: 380-193234-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	2.6		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.52	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	21		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-2B_CVWD_120,000 EBVs

Lab Sample ID: 380-193234-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.56	J	2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.8		2.0	0.39	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	28		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.45	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	1.5	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-2A_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.44	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	13		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.63	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.45	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	29		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-2B_CVWD_150,000 EBVs

Lab Sample ID: 380-193234-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.80	J	2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	4.0		2.0	0.39	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	29		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.70	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	2.4		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: GAC-1A-AS_CVWD_50 EBVs

Lab Sample ID: 380-193234-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.9		1.0	0.25	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pomona

Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: GAC-1B-AS_CVWD_50 EBVs

Lab Sample ID: 380-193234-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.9		1.0	0.25	ug/L	1		200.8	Total/NA

Client Sample ID: GAC-1A-AS_CVWD_100 EBVs

Lab Sample ID: 380-193234-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.1		1.0	0.25	ug/L	1		200.8	Total/NA

Client Sample ID: GAC-1B-AS_CVWD_100 EBVs

Lab Sample ID: 380-193234-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.6		1.0	0.25	ug/L	1		200.8	Total/NA

Client Sample ID: GAC-1A-AS_CVWD_500 EBVs

Lab Sample ID: 380-193234-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.82	J	1.0	0.25	ug/L	1		200.8	Total/NA

Client Sample ID: GAC-1B-AS_CVWD_500 EBVs

Lab Sample ID: 380-193234-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.84	J	1.0	0.25	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: GAC-1A_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-1

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 15:43	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 15:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/21/26 11:34	01/22/26 15:43	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluorobutanesulfonic acid (PFBS)	8.3		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluorohexanoic acid (PFHxA)	15		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluorooctanesulfonic acid (PFOS)	0.63 J		2.0	0.43	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		01/21/26 11:34	01/22/26 15:43	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 15:43	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 15:43	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/21/26 11:34	01/22/26 15:43	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluoropentanoic acid (PFPeA)	44		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/21/26 11:34	01/22/26 15:43	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 15:43	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	111		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C6 PFDA	114		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C5 PFHxA	115		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C4 PFHpA	114		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C8 PFOA	112		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C9 PFNA	117		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C7 PFUnA	111		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C2 PFDoA	98		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C4 PFBA	103		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C5 PFPeA	100		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C3 PFBS	97		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C3 PFHxS	104		50 - 200	01/21/26 11:34	01/22/26 15:43	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: GAC-1A_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-1

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	104		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C2-4:2-FTS	92		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C2-6:2-FTS	93		50 - 200	01/21/26 11:34	01/22/26 15:43	1
13C2-8:2-FTS	90		50 - 200	01/21/26 11:34	01/22/26 15:43	1

Client Sample ID: GAC-1B_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-2

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 15:53	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 15:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/21/26 11:34	01/22/26 15:53	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluorobutanesulfonic acid (PFBS)	9.4		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluorohexanoic acid (PFHxA)	15		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluorooctanesulfonic acid (PFOS)	0.67 J		2.0	0.43	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/21/26 11:34	01/22/26 15:53	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 15:53	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 15:53	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.82 J		2.0	0.48	ng/L		01/21/26 11:34	01/22/26 15:53	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluoropentanoic acid (PFPeA)	43		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/21/26 11:34	01/22/26 15:53	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 15:53	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	104		50 - 200				01/21/26 11:34	01/22/26 15:53	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: GAC-1B_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-2

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C6 PFDA	104		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C5 PFHxA	115		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C4 PFHpA	113		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C8 PFOA	113		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C9 PFNA	112		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C7 PFUnA	105		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C2 PFDoA	95		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C4 PFBA	103		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C5 PFPeA	100		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C3 PFBS	92		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C3 PFHxS	102		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C8 PFOS	102		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C2-4:2-FTS	92		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C2-6:2-FTS	92		50 - 200	01/21/26 11:34	01/22/26 15:53	1
13C2-8:2-FTS	92		50 - 200	01/21/26 11:34	01/22/26 15:53	1

Client Sample ID: Control-A_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-3

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	0.38	J	2.0	0.30	ng/L		01/21/26 11:34	01/22/26 16:02	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 16:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/21/26 11:34	01/22/26 16:02	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluorobutanesulfonic acid (PFBS)	23		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluoroheptanoic acid (PFHpA)	8.9		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.32	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluorohexanoic acid (PFHxA)	27		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluorooctanesulfonic acid (PFOS)	8.9		2.0	0.43	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/21/26 11:34	01/22/26 16:02	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:02	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 16:02	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/21/26 11:34	01/22/26 16:02	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/21/26 11:34	01/22/26 16:02	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: Control-A_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-3

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/21/26 11:34	01/22/26 16:02	1
Perfluoropentanesulfonic acid (PFPeS)	1.3	J	2.0	0.39	ng/L		01/21/26 11:34	01/22/26 16:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	102		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C6 PFDA	103		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C5 PFHxA	108		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C4 PFHpA	109		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C8 PFOA	105		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C9 PFNA	105		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C7 PFUnA	105		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C2 PFDoA	95		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C4 PFBA	104		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C5 PFPeA	111		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C3 PFBS	96		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C3 PFHxS	103		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C8 PFOS	106		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C2-4:2-FTS	120		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C2-6:2-FTS	99		50 - 200				01/21/26 11:34	01/22/26 16:02	1
13C2-8:2-FTS	101		50 - 200				01/21/26 11:34	01/22/26 16:02	1

Client Sample ID: Control-B_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-4

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 16:12	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 16:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/21/26 11:34	01/22/26 16:12	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluorobutanesulfonic acid (PFBS)	23		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluoroheptanoic acid (PFHpA)	8.7		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluorohexanoic acid (PFHxA)	27		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/21/26 11:34	01/22/26 16:12	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: Control-B_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-4

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	8.6		2.0	0.43	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		01/21/26 11:34	01/22/26 16:12	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:12	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 16:12	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/21/26 11:34	01/22/26 16:12	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/21/26 11:34	01/22/26 16:12	1
Perfluoropentanesulfonic acid (PFPeS)	1.3 J		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 16:12	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	107		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C6 PFDA	110		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C5 PFHxA	114		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C4 PFHpA	113		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C8 PFOA	107		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C9 PFNA	112		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C7 PFUnA	112		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C2 PFDoA	104		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C4 PFBA	103		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C5 PFPeA	110		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C3 PFBS	95		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C3 PFHxS	102		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C8 PFOS	105		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C2-4:2-FTS	117		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C2-6:2-FTS	105		50 - 200	01/21/26 11:34	01/22/26 16:12	1
13C2-8:2-FTS	100		50 - 200	01/21/26 11:34	01/22/26 16:12	1

Client Sample ID: GAC-Influent_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-5

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 16:31	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 16:31	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: GAC-Influent_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-5

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/21/26 11:34	01/22/26 16:31	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluorobutanesulfonic acid (PFBS)	22		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluoroheptanoic acid (PFHpA)	8.6		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluorohexanoic acid (PFHxA)	28		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluorooctanesulfonic acid (PFOS)	9.5		2.0	0.43	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		01/21/26 11:34	01/22/26 16:31	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:31	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 16:31	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/21/26 11:34	01/22/26 16:31	1
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/21/26 11:34	01/22/26 16:31	1
Perfluoropentanesulfonic acid (PFPeS)	1.3	J	2.0	0.39	ng/L		01/21/26 11:34	01/22/26 16:31	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	113		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C6 PFDA	105		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C5 PFHxA	115		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C4 PFHpA	115		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C8 PFOA	110		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C9 PFNA	112		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C7 PFUnA	108		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C2 PFDoA	95		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C4 PFBA	111		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C5 PFPeA	112		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C3 PFBS	100		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C3 PFHxS	111		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C8 PFOS	107		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C2-4:2-FTS	120		50 - 200	01/21/26 11:34	01/22/26 16:31	1
13C2-6:2-FTS	108		50 - 200	01/21/26 11:34	01/22/26 16:31	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: GAC-Influent_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-5

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-8:2-FTS	102		50 - 200	01/21/26 11:34	01/22/26 16:31	1

Client Sample ID: AER-2A_CVWD_30,000 EBVs

Lab Sample ID: 380-193234-6

Date Collected: 01/13/26 12:54

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 16:41	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 16:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/21/26 11:34	01/22/26 16:41	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluorohexanoic acid (PFHxA)	2.6		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluorooctanesulfonic acid (PFOS)	0.52 J		2.0	0.43	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		01/21/26 11:34	01/22/26 16:41	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:41	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 16:41	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/21/26 11:34	01/22/26 16:41	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluoropentanoic acid (PFPeA)	21		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/21/26 11:34	01/22/26 16:41	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 16:41	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	82		50 - 200				01/21/26 11:34	01/22/26 16:41	1
13C6 PFDA	79		50 - 200				01/21/26 11:34	01/22/26 16:41	1
13C5 PFHxA	97		50 - 200				01/21/26 11:34	01/22/26 16:41	1
13C4 PFHpA	88		50 - 200				01/21/26 11:34	01/22/26 16:41	1
13C8 PFOA	84		50 - 200				01/21/26 11:34	01/22/26 16:41	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: AER-2A_CVWD_30,000 EBVs

Lab Sample ID: 380-193234-6

Date Collected: 01/13/26 12:54

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	84		50 - 200	01/21/26 11:34	01/22/26 16:41	1
13C7 PFUnA	78		50 - 200	01/21/26 11:34	01/22/26 16:41	1
13C2 PFDoA	79		50 - 200	01/21/26 11:34	01/22/26 16:41	1
13C4 PFBA	88		50 - 200	01/21/26 11:34	01/22/26 16:41	1
13C5 PFPeA	92		50 - 200	01/21/26 11:34	01/22/26 16:41	1
13C3 PFBS	104		50 - 200	01/21/26 11:34	01/22/26 16:41	1
13C3 PFHxS	100		50 - 200	01/21/26 11:34	01/22/26 16:41	1
13C8 PFOS	105		50 - 200	01/21/26 11:34	01/22/26 16:41	1
13C2-4:2-FTS	113		50 - 200	01/21/26 11:34	01/22/26 16:41	1
13C2-6:2-FTS	102		50 - 200	01/21/26 11:34	01/22/26 16:41	1
13C2-8:2-FTS	99		50 - 200	01/21/26 11:34	01/22/26 16:41	1

Client Sample ID: AER-2B_CVWD_120,000 EBVs

Lab Sample ID: 380-193234-7

Date Collected: 01/13/26 12:54

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 16:50	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 16:50	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/21/26 11:34	01/22/26 16:50	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluorobutanesulfonic acid (PFBS)	0.56	J	2.0	0.37	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluoroheptanoic acid (PFHpA)	2.8		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluorohexanoic acid (PFHxA)	28		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluorooctanesulfonic acid (PFOS)	0.45	J	2.0	0.43	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluorooctanoic acid (PFOA)	1.5	J	2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/21/26 11:34	01/22/26 16:50	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:50	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 16:50	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/21/26 11:34	01/22/26 16:50	1
Nonfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/21/26 11:34	01/22/26 16:50	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: AER-2B_CVWD_120,000 EBVs

Lab Sample ID: 380-193234-7

Date Collected: 01/13/26 12:54

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/21/26 11:34	01/22/26 16:50	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 16:50	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	110		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C6 PFDA	110		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C5 PFHxA	118		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C4 PFHpA	120		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C8 PFOA	115		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C9 PFNA	116		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C7 PFUnA	105		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C2 PFDoA	99		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C4 PFBA	111		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C5 PFPeA	117		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C3 PFBS	102		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C3 PFHxS	109		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C8 PFOS	105		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C2-4:2-FTS	119		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C2-6:2-FTS	103		50 - 200				01/21/26 11:34	01/22/26 16:50	1
13C2-8:2-FTS	99		50 - 200				01/21/26 11:34	01/22/26 16:50	1

Client Sample ID: AER-2A_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-8

Date Collected: 01/19/26 08:30

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 17:00	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 17:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/21/26 11:34	01/22/26 17:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluoroheptanoic acid (PFHpA)	0.44	J	2.0	0.39	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluorohexanoic acid (PFHxA)	13		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluorooctanesulfonic acid (PFOS)	0.63	J	2.0	0.43	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluorooctanoic acid (PFOA)	0.45	J	2.0	0.38	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/21/26 11:34	01/22/26 17:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 17:00	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: AER-2A_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-8

Date Collected: 01/19/26 08:30

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 17:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/21/26 11:34	01/22/26 17:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluoropentanoic acid (PFPeA)	29		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/21/26 11:34	01/22/26 17:00	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 17:00	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	110		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C6 PFDA	110		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C5 PFHxA	115		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C4 PFHpA	118		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C8 PFOA	113		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C9 PFNA	112		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C7 PFUnA	106		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C2 PFDoA	96		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C4 PFBA	111		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C5 PFPeA	120		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C3 PFBS	105		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C3 PFHxS	108		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C8 PFOS	106		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C2-4:2-FTS	132		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C2-6:2-FTS	125		50 - 200				01/21/26 11:34	01/22/26 17:00	1
13C2-8:2-FTS	106		50 - 200				01/21/26 11:34	01/22/26 17:00	1

Client Sample ID: AER-2B_CVWD_150,000 EBVs

Lab Sample ID: 380-193234-9

Date Collected: 01/19/26 08:30

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosfluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 17:09	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 17:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/21/26 11:34	01/22/26 17:09	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluorobutanesulfonic acid (PFBS)	0.80	J	2.0	0.37	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/21/26 11:34	01/22/26 17:09	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: AER-2B_CVWD_150,000 EBVs

Lab Sample ID: 380-193234-9

Date Collected: 01/19/26 08:30

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	4.0		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluorohexanoic acid (PFHxA)	29		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluorooctanesulfonic acid (PFOS)	0.70	J	2.0	0.43	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluorooctanoic acid (PFOA)	2.4		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/21/26 11:34	01/22/26 17:09	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 17:09	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 17:09	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/21/26 11:34	01/22/26 17:09	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/21/26 11:34	01/22/26 17:09	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 17:09	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	99		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C6 PFDA	105		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C5 PFHxA	105		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C4 PFHpA	108		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C8 PFOA	106		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C9 PFNA	104		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C7 PFUnA	104		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C2 PFDoA	92		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C4 PFBA	106		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C5 PFPeA	114		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C3 PFBS	97		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C3 PFHxS	102		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C8 PFOS	101		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C2-4:2-FTS	124		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C2-6:2-FTS	105		50 - 200				01/21/26 11:34	01/22/26 17:09	1
13C2-8:2-FTS	99		50 - 200				01/21/26 11:34	01/22/26 17:09	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: GAC-1A-AS_CVWD_50 EBVs

Lab Sample ID: 380-193234-10

Date Collected: 01/12/26 16:59

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.9		1.0	0.25	ug/L			01/21/26 13:13	1

Client Sample ID: GAC-1B-AS_CVWD_50 EBVs

Lab Sample ID: 380-193234-11

Date Collected: 01/12/26 16:59

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.9		1.0	0.25	ug/L			01/21/26 13:15	1

Client Sample ID: GAC-1A-AS_CVWD_100 EBVs

Lab Sample ID: 380-193234-12

Date Collected: 01/13/26 14:05

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1		1.0	0.25	ug/L			01/21/26 13:18	1

Client Sample ID: GAC-1B-AS_CVWD_100 EBVs

Lab Sample ID: 380-193234-13

Date Collected: 01/13/26 14:05

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.6		1.0	0.25	ug/L			01/21/26 13:20	1

Client Sample ID: GAC-1A-AS_CVWD_500 EBVs

Lab Sample ID: 380-193234-14

Date Collected: 01/16/26 09:47

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.82	J	1.0	0.25	ug/L			01/21/26 13:23	1

Client Sample ID: GAC-1B-AS_CVWD_500 EBVs

Lab Sample ID: 380-193234-15

Date Collected: 01/16/26 09:47

Matrix: Water

Date Received: 01/20/26 10:06

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.84	J	1.0	0.25	ug/L			01/21/26 13:25	1

Isotope Dilution Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFDaA (50-200)
380-193234-1	GAC-1A_CVWD_60,000 EBVs	111	114	115	114	112	117	111	98
380-193234-2	GAC-1B_CVWD_60,000 EBVs	104	104	115	113	113	112	105	95
380-193234-3	Control-A_CVWD_60,000 EBVs	102	103	108	109	105	105	105	95
380-193234-4	Control-B_CVWD_60,000 EBVs	107	110	114	113	107	112	112	104
380-193234-5	GAC-Influent_CVWD_60,000 EBVs	113	105	115	115	110	112	108	95
380-193234-6	AER-2A_CVWD_30,000 EBVs	82	79	97	88	84	84	78	79
380-193234-7	AER-2B_CVWD_120,000 EBVs	110	110	118	120	115	116	105	99
380-193234-8	AER-2A_CVWD_60,000 EBVs	110	110	115	118	113	112	106	96
380-193234-9	AER-2B_CVWD_150,000 EBVs	99	105	105	108	106	104	104	92
LCS 380-199671/22-A	Lab Control Sample	111	114	114	113	107	116	116	108
MBL 380-199671/20-A	Method Blank	96	101	108	99	103	107	100	95
MRL 380-199671/21-A	Lab Control Sample	112	116	119	115	113	119	114	108

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (50-200)	PFPeA (50-200)	C3PFBS (50-200)	C3PFHS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)
380-193234-1	GAC-1A_CVWD_60,000 EBVs	103	100	97	104	104	92	93	90
380-193234-2	GAC-1B_CVWD_60,000 EBVs	103	100	92	102	102	92	92	92
380-193234-3	Control-A_CVWD_60,000 EBVs	104	111	96	103	106	120	99	101
380-193234-4	Control-B_CVWD_60,000 EBVs	103	110	95	102	105	117	105	100
380-193234-5	GAC-Influent_CVWD_60,000 EBVs	111	112	100	111	107	120	108	102
380-193234-6	AER-2A_CVWD_30,000 EBVs	88	92	104	100	105	113	102	99
380-193234-7	AER-2B_CVWD_120,000 EBVs	111	117	102	109	105	119	103	99
380-193234-8	AER-2A_CVWD_60,000 EBVs	111	120	105	108	106	132	125	106
380-193234-9	AER-2B_CVWD_150,000 EBVs	106	114	97	102	101	124	105	99
LCS 380-199671/22-A	Lab Control Sample	105	101	96	102	103	91	94	93
MBL 380-199671/20-A	Method Blank	103	105	98	99	103	96	90	96
MRL 380-199671/21-A	Lab Control Sample	114	114	103	107	110	94	102	98

Surrogate Legend

HFPODA = 13C3 HFPO-DA
C6PFDA = 13C6 PFDA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
13C7PUA = 13C7 PFUnA
PFDaA = 13C2 PFDaA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
42FTS = 13C2-4:2-FTS
62FTS = 13C2-6:2-FTS
82FTS = 13C2-8:2-FTS

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Lab Sample ID: MBL 380-199671/20-A

Matrix: Water

Analysis Batch: 200019

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 199671

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 13:58	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/21/26 11:34	01/22/26 13:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/21/26 11:34	01/22/26 13:58	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.43	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluorobutanoic acid (PFBA)	ND		2.0	0.69	ng/L		01/21/26 11:34	01/22/26 13:58	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 13:58	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/21/26 11:34	01/22/26 13:58	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/21/26 11:34	01/22/26 13:58	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/21/26 11:34	01/22/26 13:58	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/21/26 11:34	01/22/26 13:58	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	96		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C6 PFDA	101		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C5 PFHxA	108		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C4 PFHpA	99		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C8 PFOA	103		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C9 PFNA	107		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C7 PFUnA	100		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C2 PFDoA	95		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C4 PFBA	103		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C5 PFPeA	105		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C3 PFBS	98		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C3 PFHxS	99		50 - 200	01/21/26 11:34	01/22/26 13:58	1

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 380-199671/20-A

Matrix: Water

Analysis Batch: 200019

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 199671

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	103		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C2-4:2-FTS	96		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C2-6:2-FTS	90		50 - 200	01/21/26 11:34	01/22/26 13:58	1
13C2-8:2-FTS	96		50 - 200	01/21/26 11:34	01/22/26 13:58	1

Lab Sample ID: LCS 380-199671/22-A

Matrix: Water

Analysis Batch: 200019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 199671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	121	105		ng/L		87	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	121	106		ng/L		88	70 - 130
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	121	116		ng/L		96	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	121	116		ng/L		96	70 - 130
Perfluorobutanesulfonic acid (PFBS)	121	117		ng/L		97	70 - 130
Perfluorodecanoic acid (PFDA)	121	120		ng/L		99	70 - 130
Perfluorododecanoic acid (PFDoA)	121	114		ng/L		94	70 - 130
Perfluoroheptanoic acid (PFHpA)	121	111		ng/L		92	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	121	114		ng/L		95	70 - 130
Perfluorohexanoic acid (PFHxA)	121	115		ng/L		96	70 - 130
Perfluorononanoic acid (PFNA)	121	126		ng/L		105	70 - 130
Perfluorooctanesulfonic acid (PFOS)	121	113		ng/L		93	70 - 130
Perfluorooctanoic acid (PFOA)	121	116		ng/L		96	70 - 130
Perfluoroundecanoic acid (PFUnA)	121	130		ng/L		107	70 - 130
Perfluorobutanoic acid (PFBA)	121	115		ng/L		95	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	121	115		ng/L		95	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	121	114		ng/L		94	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	121	118		ng/L		98	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	121	106		ng/L		88	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	121	123		ng/L		102	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	121	113		ng/L		94	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	121	115		ng/L		95	70 - 130
Perfluoropentanoic acid (PFPeA)	121	114		ng/L		95	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	121	109		ng/L		91	70 - 130

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-199671/22-A

Matrix: Water

Analysis Batch: 200019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 199671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	121	111		ng/L		92	70 - 130
	LCS	LCS					
Isotope Dilution	%Recovery	Qualifier	Limits				
13C3 HFPO-DA	111		50 - 200				
13C6 PFDA	114		50 - 200				
13C5 PFHxA	114		50 - 200				
13C4 PFHpA	113		50 - 200				
13C8 PFOA	107		50 - 200				
13C9 PFNA	116		50 - 200				
13C7 PFUnA	116		50 - 200				
13C2 PFDoA	108		50 - 200				
13C4 PFBA	105		50 - 200				
13C5 PFPeA	101		50 - 200				
13C3 PFBS	96		50 - 200				
13C3 PFHxS	102		50 - 200				
13C8 PFOS	103		50 - 200				
13C2-4:2-FTS	91		50 - 200				
13C2-6:2-FTS	94		50 - 200				
13C2-8:2-FTS	93		50 - 200				

Lab Sample ID: MRL 380-199671/21-A

Matrix: Water

Analysis Batch: 200019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 199671

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.01	1.56	J	ng/L		78	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	2.01	1.72	J	ng/L		86	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.01	2.01		ng/L		100	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.01	1.80	J	ng/L		90	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.01	1.89	J	ng/L		94	50 - 150
Perfluorodecanoic acid (PFDA)	2.01	1.77	J	ng/L		88	50 - 150
Perfluorododecanoic acid (PFDoA)	2.01	1.88	J	ng/L		94	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.01	1.90	J	ng/L		95	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.01	1.74	J	ng/L		87	50 - 150
Perfluorohexanoic acid (PFHxA)	2.01	1.89	J	ng/L		94	50 - 150
Perfluorononanoic acid (PFNA)	2.01	1.98	J	ng/L		99	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.01	1.79	J	ng/L		89	50 - 150
Perfluorooctanoic acid (PFOA)	2.01	1.97	J	ng/L		98	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.01	2.05		ng/L		102	50 - 150
Perfluorobutanoic acid (PFBA)	2.01	1.81	J	ng/L		90	50 - 150

Eurofins Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MRL 380-199671/21-A

Matrix: Water

Analysis Batch: 200019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 199671

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.01	1.90	J	ng/L		94	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.01	2.08		ng/L		104	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.01	2.03		ng/L		101	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.01	1.71	J	ng/L		85	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	2.01	2.09		ng/L		104	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.01	1.71	J	ng/L		85	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.01	1.57	J	ng/L		78	50 - 150
Perfluoropentanoic acid (PFPeA)	2.01	1.83	J	ng/L		91	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.01	1.67	J	ng/L		83	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.01	1.67	J	ng/L		83	50 - 150

Isotope Dilution	MRL %Recovery	MRL Qualifier	Limits
13C3 HFPO-DA	112		50 - 200
13C6 PFDA	116		50 - 200
13C5 PFHxA	119		50 - 200
13C4 PFHpA	115		50 - 200
13C8 PFOA	113		50 - 200
13C9 PFNA	119		50 - 200
13C7 PFUnA	114		50 - 200
13C2 PFDoA	108		50 - 200
13C4 PFBA	114		50 - 200
13C5 PFPeA	114		50 - 200
13C3 PFBS	103		50 - 200
13C3 PFHxS	107		50 - 200
13C8 PFOS	110		50 - 200
13C2-4:2-FTS	94		50 - 200
13C2-6:2-FTS	102		50 - 200
13C2-8:2-FTS	98		50 - 200

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 380-199767/18

Matrix: Water

Analysis Batch: 199767

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.25	ug/L			01/21/26 12:55	1

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 380-199767/20
Matrix: Water
Analysis Batch: 199767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.0	53.8		ug/L		108	85 - 115

Lab Sample ID: LCSD 380-199767/21
Matrix: Water
Analysis Batch: 199767

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	50.0	53.7		ug/L		107	85 - 115	0	20

Lab Sample ID: LLCS 380-199767/19
Matrix: Water
Analysis Batch: 199767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.04		ug/L		104	50 - 150

QC Association Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

LCMS

Prep Batch: 199671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193234-1	GAC-1A_CVWD_60,000 EBVs	Total/NA	Water	533	
380-193234-2	GAC-1B_CVWD_60,000 EBVs	Total/NA	Water	533	
380-193234-3	Control-A_CVWD_60,000 EBVs	Total/NA	Water	533	
380-193234-4	Control-B_CVWD_60,000 EBVs	Total/NA	Water	533	
380-193234-5	GAC-Influent_CVWD_60,000 EBVs	Total/NA	Water	533	
380-193234-6	AER-2A_CVWD_30,000 EBVs	Total/NA	Water	533	
380-193234-7	AER-2B_CVWD_120,000 EBVs	Total/NA	Water	533	
380-193234-8	AER-2A_CVWD_60,000 EBVs	Total/NA	Water	533	
380-193234-9	AER-2B_CVWD_150,000 EBVs	Total/NA	Water	533	
MBL 380-199671/20-A	Method Blank	Total/NA	Water	533	
LCS 380-199671/22-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-199671/21-A	Lab Control Sample	Total/NA	Water	533	

Analysis Batch: 200019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193234-1	GAC-1A_CVWD_60,000 EBVs	Total/NA	Water	533	199671
380-193234-2	GAC-1B_CVWD_60,000 EBVs	Total/NA	Water	533	199671
380-193234-3	Control-A_CVWD_60,000 EBVs	Total/NA	Water	533	199671
380-193234-4	Control-B_CVWD_60,000 EBVs	Total/NA	Water	533	199671
380-193234-5	GAC-Influent_CVWD_60,000 EBVs	Total/NA	Water	533	199671
380-193234-6	AER-2A_CVWD_30,000 EBVs	Total/NA	Water	533	199671
380-193234-7	AER-2B_CVWD_120,000 EBVs	Total/NA	Water	533	199671
380-193234-8	AER-2A_CVWD_60,000 EBVs	Total/NA	Water	533	199671
380-193234-9	AER-2B_CVWD_150,000 EBVs	Total/NA	Water	533	199671
MBL 380-199671/20-A	Method Blank	Total/NA	Water	533	199671
LCS 380-199671/22-A	Lab Control Sample	Total/NA	Water	533	199671
MRL 380-199671/21-A	Lab Control Sample	Total/NA	Water	533	199671

Metals

Analysis Batch: 199767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193234-10	GAC-1A-AS_CVWD_50 EBVs	Total/NA	Water	200.8	
380-193234-11	GAC-1B-AS_CVWD_50 EBVs	Total/NA	Water	200.8	
380-193234-12	GAC-1A-AS_CVWD_100 EBVs	Total/NA	Water	200.8	
380-193234-13	GAC-1B-AS_CVWD_100 EBVs	Total/NA	Water	200.8	
380-193234-14	GAC-1A-AS_CVWD_500 EBVs	Total/NA	Water	200.8	
380-193234-15	GAC-1B-AS_CVWD_500 EBVs	Total/NA	Water	200.8	
MBL 380-199767/18	Method Blank	Total/NA	Water	200.8	
LCS 380-199767/20	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-199767/21	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-199767/19	Lab Control Sample	Total/NA	Water	200.8	

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: GAC-1A_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-1

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			199671	N8NE	EA POM	01/21/26 11:34
Total/NA	Analysis	533		1	200019	SZ9R	EA POM	01/22/26 15:43

Client Sample ID: GAC-1B_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-2

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			199671	N8NE	EA POM	01/21/26 11:34
Total/NA	Analysis	533		1	200019	SZ9R	EA POM	01/22/26 15:53

Client Sample ID: Control-A_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-3

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			199671	N8NE	EA POM	01/21/26 11:34
Total/NA	Analysis	533		1	200019	SZ9R	EA POM	01/22/26 16:02

Client Sample ID: Control-B_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-4

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			199671	N8NE	EA POM	01/21/26 11:34
Total/NA	Analysis	533		1	200019	SZ9R	EA POM	01/22/26 16:12

Client Sample ID: GAC-Influent_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-5

Date Collected: 01/15/26 10:46

Matrix: Water

Date Received: 01/20/26 10:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			199671	N8NE	EA POM	01/21/26 11:34
Total/NA	Analysis	533		1	200019	SZ9R	EA POM	01/22/26 16:31

Client Sample ID: AER-2A_CVWD_30,000 EBVs

Lab Sample ID: 380-193234-6

Date Collected: 01/13/26 12:54

Matrix: Water

Date Received: 01/20/26 10:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			199671	N8NE	EA POM	01/21/26 11:34
Total/NA	Analysis	533		1	200019	SZ9R	EA POM	01/22/26 16:41

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: AER-2B_CVWD_120,000 EBVs

Lab Sample ID: 380-193234-7

Date Collected: 01/13/26 12:54

Matrix: Water

Date Received: 01/20/26 10:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			199671	N8NE	EA POM	01/21/26 11:34
Total/NA	Analysis	533		1	200019	SZ9R	EA POM	01/22/26 16:50

Client Sample ID: AER-2A_CVWD_60,000 EBVs

Lab Sample ID: 380-193234-8

Date Collected: 01/19/26 08:30

Matrix: Water

Date Received: 01/20/26 10:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			199671	N8NE	EA POM	01/21/26 11:34
Total/NA	Analysis	533		1	200019	SZ9R	EA POM	01/22/26 17:00

Client Sample ID: AER-2B_CVWD_150,000 EBVs

Lab Sample ID: 380-193234-9

Date Collected: 01/19/26 08:30

Matrix: Water

Date Received: 01/20/26 10:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			199671	N8NE	EA POM	01/21/26 11:34
Total/NA	Analysis	533		1	200019	SZ9R	EA POM	01/22/26 17:09

Client Sample ID: GAC-1A-AS_CVWD_50 EBVs

Lab Sample ID: 380-193234-10

Date Collected: 01/12/26 16:59

Matrix: Water

Date Received: 01/20/26 10:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	199767	T8BB	EA POM	01/21/26 13:13

Client Sample ID: GAC-1B-AS_CVWD_50 EBVs

Lab Sample ID: 380-193234-11

Date Collected: 01/12/26 16:59

Matrix: Water

Date Received: 01/20/26 10:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	199767	T8BB	EA POM	01/21/26 13:15

Client Sample ID: GAC-1A-AS_CVWD_100 EBVs

Lab Sample ID: 380-193234-12

Date Collected: 01/13/26 14:05

Matrix: Water

Date Received: 01/20/26 10:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	199767	T8BB	EA POM	01/21/26 13:18

Client Sample ID: GAC-1B-AS_CVWD_100 EBVs

Lab Sample ID: 380-193234-13

Date Collected: 01/13/26 14:05

Matrix: Water

Date Received: 01/20/26 10:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	199767	T8BB	EA POM	01/21/26 13:20

Eurofins Pomona

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Client Sample ID: GAC-1A-AS_CVWD_500 EBVs
Date Collected: 01/16/26 09:47
Date Received: 01/20/26 10:06

Lab Sample ID: 380-193234-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	199767	T8BB	EA POM	01/21/26 13:23

Client Sample ID: GAC-1B-AS_CVWD_500 EBVs
Date Collected: 01/16/26 09:47
Date Received: 01/20/26 10:06

Lab Sample ID: 380-193234-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	199767	T8BB	EA POM	01/21/26 13:25

Laboratory References:
EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Laboratory: Eurofins Pomona

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11320	04-01-26
Utah	NELAP	CA00006	01-31-27

1
2
3
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5
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11
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13
14
15

Method Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA POM
200.8	Metals (ICP/MS)	EPA	EA POM
533	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	EA POM
None	Autocomplete Prep - Metals - No Digestion required	None	EA POM

Protocol References:

EPA = US Environmental Protection Agency
None = None

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-193234-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-193234-1	GAC-1A_CVWD_60,000 EBVs	Water	01/15/26 10:46	01/20/26 10:06	Washington
380-193234-2	GAC-1B_CVWD_60,000 EBVs	Water	01/15/26 10:46	01/20/26 10:06	Washington
380-193234-3	Control-A_CVWD_60,000 EBVs	Water	01/15/26 10:46	01/20/26 10:06	Washington
380-193234-4	Control-B_CVWD_60,000 EBVs	Water	01/15/26 10:46	01/20/26 10:06	Washington
380-193234-5	GAC-Influent_CVWD_60,000 EBVs	Water	01/15/26 10:46	01/20/26 10:06	Washington
380-193234-6	AER-2A_CVWD_30,000 EBVs	Water	01/13/26 12:54	01/20/26 10:06	Washington
380-193234-7	AER-2B_CVWD_120,000 EBVs	Water	01/13/26 12:54	01/20/26 10:06	Washington
380-193234-8	AER-2A_CVWD_60,000 EBVs	Water	01/19/26 08:30	01/20/26 10:06	Washington
380-193234-9	AER-2B_CVWD_150,000 EBVs	Water	01/19/26 08:30	01/20/26 10:06	Washington
380-193234-10	GAC-1A-AS_CVWD_50 EBVs	Water	01/12/26 16:59	01/20/26 10:06	Washington
380-193234-11	GAC-1B-AS_CVWD_50 EBVs	Water	01/12/26 16:59	01/20/26 10:06	Washington
380-193234-12	GAC-1A-AS_CVWD_100 EBVs	Water	01/13/26 14:05	01/20/26 10:06	Washington
380-193234-13	GAC-1B-AS_CVWD_100 EBVs	Water	01/13/26 14:05	01/20/26 10:06	Washington
380-193234-14	GAC-1A-AS_CVWD_500 EBVs	Water	01/16/26 09:47	01/20/26 10:06	Washington
380-193234-15	GAC-1B-AS_CVWD_500 EBVs	Water	01/16/26 09:47	01/20/26 10:06	Washington

Eurofins Eaton Analytical Pomona

941 Corporate Center Drive
Pomona, CA 91768-3842

Chain of Custody Record 380-193234 COC

eurofins Environment Testing

Phone (926) 388-1100

Client Information	Sample	Lab P/N	Current Trading Name	COC No.
Client Contact	PR, BZ, AT, EL	Novshadayan, Christine	792006822948	380-42415-24232.1
Paul Ho	425-519-9300	Christine.Novshadayan@eurofins.com	State of Origin	Page
Company	CDM Smith Inc	WVA	Job #	Page 1 of 1

Analysis Requested

Address	One Date Requested	Preservation Codes
14432 S.E. Eastgate Way Suite 100	TAT Requested (days)	1. N/A Adverse to Nitro and
City	Standard TAT	
Bellview		
State Zip		
WA, 98007-8493		
Phone	Compliance Project: A Yes B No	
425-519-9314 (Tel)	PO #	
127179	WFO #	
Email	Project #	
hopper@cdmsmith.com	38010498	
Project Name	Greensboro Valley RSSCT	
Site	SSCWA	

Sample Identification	Sample Date	Sample Type (Grain)	Preservation Code	Matrix	Special Instructions/Notes
GAC-1A_CVMD_90,000 EBVs	1/15/28	G	W	W	
GAC-1B_CVMD_90,000 EBVs	1/15/28	G	W	W	
Control-A_CVMD_90,000 EBVs	1/15/28	G	W	W	
Control-B_CVMD_90,000 EBVs	1/15/28	G	W	W	
GAC-Influent_CVMD_90,000 EBVs	1/15/28	G	W	W	
AER-2A_CVMD_30,000 EBVs	1/13/28	G	W	W	
AER-2B_CVMD_120,000 EBVs	1/13/28	G	W	W	
AER-2A_CVMD_90,000 EBVs	1/19/28	G	W	W	
AER-2B_CVMD_150,000 EBVs	1/19/28	G	W	W	
GAC-1A-AS_CVMD_50 EBVs	1/12/28	G	W	W	
GAC-1B-AS_CVMD_50 EBVs	1/12/28	G	W	W	
GAC-1A-AS_CVMD_100 EBVs	1/13/28	G	W	W	
GAC-1B-AS_CVMD_100 EBVs	1/13/28	G	W	W	
GAC-1A-AS_CVMD_500 EBVs	1/16/28	G	W	W	
GAC-1B-AS_CVMD_500 EBVs	1/16/28	G	W	W	

Signature of Custodian	Signature of Receiver	Date	Time
Paul Ho	Christine Novshadayan	1/20/28	14:16
Signature of Receiver	Signature of Receiver	Date	Time
Signature of Receiver	Signature of Receiver	Date	Time
Signature of Receiver	Signature of Receiver	Date	Time

Cooler Temperature (°C) and Other Remarks: Unit 1-2-02/28 Partial frozen

Ver 05/06/2024

Login Sample Receipt Checklist

Client: CDM Smith Inc

Job Number: 380-193234-1

Login Number: 193234

List Number: 1

Creator: Tran, Kristine

List Source: Eurofins Pomona

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Samples do not require splitting or compositing.	N/A	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Sample Preservative Verified	True	
Container provided by EEA	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Julie Devon
CDM Smith Inc
14432 S.E. Eastgate Way
Suite 100
Bellevue, Washington 98007-6493

Generated 2/20/2026 4:04:51 PM

JOB DESCRIPTION

Crescenta Valley RSSCT

JOB NUMBER

380-196151-1

Eurofins Pomona

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater West, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.
(DW, Water matrices)

Authorization



Authorized for release by
Christine Novshadayan, Project Manager
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Definitions/Glossary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: CDM Smith Inc
Project: Crescenta Valley RSSCT

Job ID: 380-196151-1

Job ID: 380-196151-1

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Job Narrative 380-196151-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/4/2026 9:22 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

PFAS

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

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Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Client Sample ID: GAC-Influent_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	22		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.4		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	29		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.9		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	14		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.53	J	2.0	0.48	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.2	J	2.0	0.39	ng/L	1		533	Total/NA

Client Sample ID: GAC-1A_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	25		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.8	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.46	J	2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	35		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.49	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.63	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.50	J	2.0	0.48	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	36		2.0	0.38	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.51	J	2.0	0.39	ng/L	1		533	Total/NA

Client Sample ID: GAC-1B_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	26		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.1		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.40	J	2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	33		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.78	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.59	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.52	J	2.0	0.48	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	35		2.0	0.38	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.61	J	2.0	0.39	ng/L	1		533	Total/NA

Client Sample ID: Control-A_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	23		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.6		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	27		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.7		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	14		2.0	0.38	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Client Sample ID: Control-A_CVWD_80,000 EBVS (Continued)

Lab Sample ID: 380-196151-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L	1		533	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.62	J	2.0	0.36	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.3	J	2.0	0.39	ng/L	1		533	Total/NA

Client Sample ID: Control-B_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	22		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	9.5		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	27		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.6		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1		533	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.67	J	2.0	0.36	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.3	J	2.0	0.39	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Client Sample ID: GAC-Influent_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-1

Date Collected: 01/27/26 15:20

Matrix: Water

Date Received: 02/04/26 09:22

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		02/10/26 16:34	02/11/26 10:48	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		02/10/26 16:34	02/11/26 10:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		02/10/26 16:34	02/11/26 10:48	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluorobutanesulfonic acid (PFBS)	22		2.0	0.37	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluoroheptanoic acid (PFHpA)	8.4		2.0	0.39	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.32	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluorohexanoic acid (PFHxA)	29		2.0	0.46	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluorooctanesulfonic acid (PFOS)	9.9		2.0	0.43	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluorooctanoic acid (PFOA)	14		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		02/10/26 16:34	02/11/26 10:48	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 10:48	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		02/10/26 16:34	02/11/26 10:48	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.53 J		2.0	0.48	ng/L		02/10/26 16:34	02/11/26 10:48	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		02/10/26 16:34	02/11/26 10:48	1
Perfluoropentanesulfonic acid (PFPeS)	1.2 J		2.0	0.39	ng/L		02/10/26 16:34	02/11/26 10:48	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	112		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C6 PFDA	109		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C5 PFHxA	111		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C4 PFHpA	119		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C8 PFOA	114		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C9 PFNA	113		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C7 PFUnA	106		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C2 PFDoA	107		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C4 PFBA	116		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C5 PFPeA	123		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C3 PFBS	125		50 - 200	02/10/26 16:34	02/11/26 10:48	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Client Sample ID: GAC-Influent_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-1

Date Collected: 01/27/26 15:20

Matrix: Water

Date Received: 02/04/26 09:22

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFHxS	117		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C8 PFOS	115		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C2-4:2-FTS	133		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C2-6:2-FTS	123		50 - 200	02/10/26 16:34	02/11/26 10:48	1
13C2-8:2-FTS	114		50 - 200	02/10/26 16:34	02/11/26 10:48	1

Client Sample ID: GAC-1A_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-2

Date Collected: 01/27/26 15:20

Matrix: Water

Date Received: 02/04/26 09:22

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosfluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		02/10/26 16:34	02/11/26 10:57	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		02/10/26 16:34	02/11/26 10:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		02/10/26 16:34	02/11/26 10:57	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluorobutanesulfonic acid (PFBS)	25		2.0	0.37	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluoroheptanoic acid (PFHpA)	1.8	J	2.0	0.39	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluorohexanesulfonic acid (PFHxS)	0.46	J	2.0	0.32	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluorohexanoic acid (PFHxA)	35		2.0	0.46	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluorooctanesulfonic acid (PFOS)	0.49	J	2.0	0.43	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluorooctanoic acid (PFOA)	0.63	J	2.0	0.38	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		02/10/26 16:34	02/11/26 10:57	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 10:57	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		02/10/26 16:34	02/11/26 10:57	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.50	J	2.0	0.48	ng/L		02/10/26 16:34	02/11/26 10:57	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluoropentanoic acid (PFPeA)	36		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		02/10/26 16:34	02/11/26 10:57	1
Perfluoropentanesulfonic acid (PFPeS)	0.51	J	2.0	0.39	ng/L		02/10/26 16:34	02/11/26 10:57	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Client Sample ID: GAC-1A_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-2

Date Collected: 01/27/26 15:20

Matrix: Water

Date Received: 02/04/26 09:22

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	54		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C6 PFDA	65		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C5 PFHxA	59		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C4 PFHpA	59		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C8 PFOA	55		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C9 PFNA	63		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C7 PFUnA	71		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C2 PFDoA	76		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C4 PFBA	65		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C5 PFPeA	63		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C3 PFBS	106		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C3 PFHxS	112		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C8 PFOS	104		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C2-4:2-FTS	109		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C2-6:2-FTS	105		50 - 200	02/10/26 16:34	02/11/26 10:57	1
13C2-8:2-FTS	94		50 - 200	02/10/26 16:34	02/11/26 10:57	1

Client Sample ID: GAC-1B_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-3

Date Collected: 01/27/26 15:20

Matrix: Water

Date Received: 02/04/26 09:22

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		02/10/26 16:34	02/11/26 11:07	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		02/10/26 16:34	02/11/26 11:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		02/10/26 16:34	02/11/26 11:07	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluorobutanesulfonic acid (PFBS)	26		2.0	0.37	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluoroheptanoic acid (PFHpA)	2.1		2.0	0.39	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluorohexanesulfonic acid (PFHxS)	0.40 J		2.0	0.32	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluorohexanoic acid (PFHxA)	33		2.0	0.46	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluorooctanesulfonic acid (PFOS)	0.78 J		2.0	0.43	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluorooctanoic acid (PFOA)	0.59 J		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		02/10/26 16:34	02/11/26 11:07	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 11:07	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		02/10/26 16:34	02/11/26 11:07	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.52 J		2.0	0.48	ng/L		02/10/26 16:34	02/11/26 11:07	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		02/10/26 16:34	02/11/26 11:07	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Client Sample ID: GAC-1B_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-3

Date Collected: 01/27/26 15:20

Matrix: Water

Date Received: 02/04/26 09:22

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluoropentanoic acid (PFPeA)	35		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		02/10/26 16:34	02/11/26 11:07	1
Perfluoropentanesulfonic acid (PFPeS)	0.61	J	2.0	0.39	ng/L		02/10/26 16:34	02/11/26 11:07	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	111		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C6 PFDA	111		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C5 PFHxA	114		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C4 PFHpA	112		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C8 PFOA	113		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C9 PFNA	114		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C7 PFUnA	101		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C2 PFDoA	103		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C4 PFBA	117		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C5 PFPeA	122		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C3 PFBS	117		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C3 PFHxS	117		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C8 PFOS	119		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C2-4:2-FTS	123		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C2-6:2-FTS	110		50 - 200				02/10/26 16:34	02/11/26 11:07	1
13C2-8:2-FTS	106		50 - 200				02/10/26 16:34	02/11/26 11:07	1

Client Sample ID: Control-A_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-4

Date Collected: 01/27/26 15:40

Matrix: Water

Date Received: 02/04/26 09:22

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosfluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		02/10/26 16:34	02/11/26 11:17	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		02/10/26 16:34	02/11/26 11:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		02/10/26 16:34	02/11/26 11:17	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluorobutanesulfonic acid (PFBS)	23		2.0	0.37	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluoroheptanoic acid (PFHpA)	8.6		2.0	0.39	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluorohexanoic acid (PFHxA)	27		2.0	0.46	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		02/10/26 16:34	02/11/26 11:17	1

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Client Sample ID: Control-A_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-4

Date Collected: 01/27/26 15:40

Matrix: Water

Date Received: 02/04/26 09:22

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	9.7		2.0	0.43	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluorooctanoic acid (PFOA)	14		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		02/10/26 16:34	02/11/26 11:17	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 11:17	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		02/10/26 16:34	02/11/26 11:17	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		02/10/26 16:34	02/11/26 11:17	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluoroheptanesulfonic acid (PFHpS)	0.62 J		2.0	0.36	ng/L		02/10/26 16:34	02/11/26 11:17	1
Perfluoropentanesulfonic acid (PFPeS)	1.3 J		2.0	0.39	ng/L		02/10/26 16:34	02/11/26 11:17	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	108		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C6 PFDA	103		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C5 PFHxA	111		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C4 PFHpA	109		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C8 PFOA	108		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C9 PFNA	107		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C7 PFUnA	102		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C2 PFDoA	105		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C4 PFBA	112		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C5 PFPeA	117		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C3 PFBS	110		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C3 PFHxS	113		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C8 PFOS	114		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C2-4:2-FTS	121		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C2-6:2-FTS	116		50 - 200				02/10/26 16:34	02/11/26 11:17	1
13C2-8:2-FTS	106		50 - 200				02/10/26 16:34	02/11/26 11:17	1

Client Sample ID: Control-B_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-5

Date Collected: 01/27/26 15:20

Matrix: Water

Date Received: 02/04/26 09:22

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		02/10/26 16:34	02/11/26 11:26	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		02/10/26 16:34	02/11/26 11:26	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Client Sample ID: Control-B_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-5

Date Collected: 01/27/26 15:20

Matrix: Water

Date Received: 02/04/26 09:22

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		02/10/26 16:34	02/11/26 11:26	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluorobutanesulfonic acid (PFBS)	22		2.0	0.37	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluoroheptanoic acid (PFHpA)	9.5		2.0	0.39	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.32	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluorohexanoic acid (PFHxA)	27		2.0	0.46	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluorooctanesulfonic acid (PFOS)	9.6		2.0	0.43	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluorooctanoic acid (PFOA)	15		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		02/10/26 16:34	02/11/26 11:26	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 11:26	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		02/10/26 16:34	02/11/26 11:26	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		02/10/26 16:34	02/11/26 11:26	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluoroheptanesulfonic acid (PFHpS)	0.67 J		2.0	0.36	ng/L		02/10/26 16:34	02/11/26 11:26	1
Perfluoropentanesulfonic acid (PFPeS)	1.3 J		2.0	0.39	ng/L		02/10/26 16:34	02/11/26 11:26	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	109		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C6 PFDA	106		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C5 PFHxA	110		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C4 PFHpA	112		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C8 PFOA	112		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C9 PFNA	114		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C7 PFUnA	106		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C2 PFDoA	110		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C4 PFBA	114		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C5 PFPeA	118		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C3 PFBS	116		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C3 PFHxS	117		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C8 PFOS	111		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C2-4:2-FTS	119		50 - 200	02/10/26 16:34	02/11/26 11:26	1
13C2-6:2-FTS	113		50 - 200	02/10/26 16:34	02/11/26 11:26	1

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Client Sample ID: Control-B_CVWD_80,000 EBVS
Date Collected: 01/27/26 15:20
Date Received: 02/04/26 09:22

Lab Sample ID: 380-196151-5
Matrix: Water

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)						
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-8:2-FTS	113		50 - 200	02/10/26 16:34	02/11/26 11:26	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Isotope Dilution Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFDaA (50-200)
380-196151-1	GAC-Influent_CVWD_80,000 EE	112	109	111	119	114	113	106	107
380-196151-2	GAC-1A_CVWD_80,000 EBVS	54	65	59	59	55	63	71	76
380-196151-3	GAC-1B_CVWD_80,000 EBVS	111	111	114	112	113	114	101	103
380-196151-4	Control-A_CVWD_80,000 EBVS	108	103	111	109	108	107	102	105
380-196151-5	Control-B_CVWD_80,000 EBVS	109	106	110	112	112	114	106	110
LCS 380-204812/22-A	Lab Control Sample	115	103	116	113	110	110	108	105
MBL 380-204812/20-A	Method Blank	105	104	114	108	108	107	101	101
MRL 380-204812/21-A	Lab Control Sample	105	101	108	108	108	104	101	97

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (50-200)	PFPeA (50-200)	C3PFBS (50-200)	C3PFHS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)
380-196151-1	GAC-Influent_CVWD_80,000 EE	116	123	125	117	115	133	123	114
380-196151-2	GAC-1A_CVWD_80,000 EBVS	65	63	106	112	104	109	105	94
380-196151-3	GAC-1B_CVWD_80,000 EBVS	117	122	117	117	119	123	110	106
380-196151-4	Control-A_CVWD_80,000 EBVS	112	117	110	113	114	121	116	106
380-196151-5	Control-B_CVWD_80,000 EBVS	114	118	116	117	111	119	113	113
LCS 380-204812/22-A	Lab Control Sample	107	111	111	112	111	104	98	93
MBL 380-204812/20-A	Method Blank	112	112	114	113	111	107	106	97
MRL 380-204812/21-A	Lab Control Sample	109	108	111	111	111	109	100	91

Surrogate Legend

HFPODA = 13C3 HFPO-DA
C6PFDA = 13C6 PFDA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
13C7PUA = 13C7 PFUnA
PFDaA = 13C2 PFDaA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
42FTS = 13C2-4:2-FTS
62FTS = 13C2-6:2-FTS
82FTS = 13C2-8:2-FTS

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Lab Sample ID: MBL 380-204812/20-A

Matrix: Water

Analysis Batch: 204959

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204812

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		02/10/26 16:34	02/11/26 07:30	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		02/10/26 16:34	02/11/26 07:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		02/10/26 16:34	02/11/26 07:30	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.43	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluorobutanoic acid (PFBA)	ND		2.0	0.69	ng/L		02/10/26 16:34	02/11/26 07:30	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 07:30	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		02/10/26 16:34	02/11/26 07:30	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		02/10/26 16:34	02/11/26 07:30	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		02/10/26 16:34	02/11/26 07:30	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		02/10/26 16:34	02/11/26 07:30	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	105		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C6 PFDA	104		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C5 PFHxA	114		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C4 PFHpA	108		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C8 PFOA	108		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C9 PFNA	107		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C7 PFUnA	101		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C2 PFDoA	101		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C4 PFBA	112		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C5 PFPeA	112		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C3 PFBS	114		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C3 PFHxS	113		50 - 200	02/10/26 16:34	02/11/26 07:30	1

Eurofins Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 380-204812/20-A

Matrix: Water

Analysis Batch: 204959

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204812

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	111		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C2-4:2-FTS	107		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C2-6:2-FTS	106		50 - 200	02/10/26 16:34	02/11/26 07:30	1
13C2-8:2-FTS	97		50 - 200	02/10/26 16:34	02/11/26 07:30	1

Lab Sample ID: LCS 380-204812/22-A

Matrix: Water

Analysis Batch: 204959

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204812

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	120	108		ng/L		90	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	120	109		ng/L		91	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	120	116		ng/L		96	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	120	112		ng/L		93	70 - 130
Perfluorobutanesulfonic acid (PFBS)	120	112		ng/L		93	70 - 130
Perfluorodecanoic acid (PFDA)	120	121		ng/L		101	70 - 130
Perfluorododecanoic acid (PFDaA)	120	114		ng/L		95	70 - 130
Perfluoroheptanoic acid (PFHpA)	120	115		ng/L		96	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	120	113		ng/L		94	70 - 130
Perfluorohexanoic acid (PFHxA)	120	109		ng/L		91	70 - 130
Perfluorononanoic acid (PFNA)	120	114		ng/L		95	70 - 130
Perfluorooctanesulfonic acid (PFOS)	120	110		ng/L		92	70 - 130
Perfluorooctanoic acid (PFOA)	120	111		ng/L		92	70 - 130
Perfluoroundecanoic acid (PFUnA)	120	113		ng/L		94	70 - 130
Perfluorobutanoic acid (PFBA)	120	116		ng/L		97	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	120	109		ng/L		91	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	120	108		ng/L		90	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120	111		ng/L		92	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	120	117		ng/L		97	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	120	110		ng/L		91	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	120	115		ng/L		96	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	120	115		ng/L		95	70 - 130
Perfluoropentanoic acid (PFPeA)	120	114		ng/L		95	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	120	110		ng/L		92	70 - 130

Eurofins Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-204812/22-A

Matrix: Water

Analysis Batch: 204959

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204812

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	120	114		ng/L		95	70 - 130
	LCS	LCS					
Isotope Dilution	%Recovery	Qualifier	Limits				
13C3 HFPO-DA	115		50 - 200				
13C6 PFDA	103		50 - 200				
13C5 PFHxA	116		50 - 200				
13C4 PFHpA	113		50 - 200				
13C8 PFOA	110		50 - 200				
13C9 PFNA	110		50 - 200				
13C7 PFUnA	108		50 - 200				
13C2 PFDoA	105		50 - 200				
13C4 PFBA	107		50 - 200				
13C5 PFPeA	111		50 - 200				
13C3 PFBS	111		50 - 200				
13C3 PFHxS	112		50 - 200				
13C8 PFOS	111		50 - 200				
13C2-4:2-FTS	104		50 - 200				
13C2-6:2-FTS	98		50 - 200				
13C2-8:2-FTS	93		50 - 200				

Lab Sample ID: MRL 380-204812/21-A

Matrix: Water

Analysis Batch: 204959

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204812

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.00	2.11		ng/L		105	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.00	2.08		ng/L		104	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.00	2.14		ng/L		107	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.00	2.14		ng/L		107	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.00	2.18		ng/L		109	50 - 150
Perfluorodecanoic acid (PFDA)	2.00	2.06		ng/L		103	50 - 150
Perfluorododecanoic acid (PFDoA)	2.00	2.04		ng/L		102	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.00	2.03		ng/L		101	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.00	2.21		ng/L		110	50 - 150
Perfluorohexanoic acid (PFHxA)	2.00	2.11		ng/L		105	50 - 150
Perfluorononanoic acid (PFNA)	2.00	2.05		ng/L		102	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.00	2.09		ng/L		105	50 - 150
Perfluorooctanoic acid (PFOA)	2.00	2.18		ng/L		109	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.00	2.08		ng/L		104	50 - 150
Perfluorobutanoic acid (PFBA)	2.00	2.14		ng/L		107	50 - 150

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MRL 380-204812/21-A

Matrix: Water

Analysis Batch: 204959

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204812

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.00	1.95	J	ng/L		97	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.00	2.24		ng/L		112	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.00	2.58		ng/L		129	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.00	2.28		ng/L		114	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	2.00	2.14		ng/L		107	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.00	2.09		ng/L		104	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.00	2.26		ng/L		113	50 - 150
Perfluoropentanoic acid (PFPeA)	2.00	2.21		ng/L		111	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.00	2.06		ng/L		103	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.00	1.96	J	ng/L		98	50 - 150

Isotope Dilution	MRL %Recovery	MRL Qualifier	MRL Limits
13C3 HFPO-DA	105		50 - 200
13C6 PFDA	101		50 - 200
13C5 PFHxA	108		50 - 200
13C4 PFHpA	108		50 - 200
13C8 PFOA	108		50 - 200
13C9 PFNA	104		50 - 200
13C7 PFUnA	101		50 - 200
13C2 PFDoA	97		50 - 200
13C4 PFBA	109		50 - 200
13C5 PFPeA	108		50 - 200
13C3 PFBS	111		50 - 200
13C3 PFHxS	111		50 - 200
13C8 PFOS	111		50 - 200
13C2-4:2-FTS	109		50 - 200
13C2-6:2-FTS	100		50 - 200
13C2-8:2-FTS	91		50 - 200

QC Association Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

LCMS

Prep Batch: 204812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-196151-1	GAC-Influent_CVWD_80,000 EBVS	Total/NA	Water	533	
380-196151-2	GAC-1A_CVWD_80,000 EBVS	Total/NA	Water	533	
380-196151-3	GAC-1B_CVWD_80,000 EBVS	Total/NA	Water	533	
380-196151-4	Control-A_CVWD_80,000 EBVS	Total/NA	Water	533	
380-196151-5	Control-B_CVWD_80,000 EBVS	Total/NA	Water	533	
MBL 380-204812/20-A	Method Blank	Total/NA	Water	533	
LCS 380-204812/22-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-204812/21-A	Lab Control Sample	Total/NA	Water	533	

Analysis Batch: 204959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-196151-1	GAC-Influent_CVWD_80,000 EBVS	Total/NA	Water	533	204812
380-196151-2	GAC-1A_CVWD_80,000 EBVS	Total/NA	Water	533	204812
380-196151-3	GAC-1B_CVWD_80,000 EBVS	Total/NA	Water	533	204812
380-196151-4	Control-A_CVWD_80,000 EBVS	Total/NA	Water	533	204812
380-196151-5	Control-B_CVWD_80,000 EBVS	Total/NA	Water	533	204812
MBL 380-204812/20-A	Method Blank	Total/NA	Water	533	204812
LCS 380-204812/22-A	Lab Control Sample	Total/NA	Water	533	204812
MRL 380-204812/21-A	Lab Control Sample	Total/NA	Water	533	204812

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Client Sample ID: GAC-Influent_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-1

Date Collected: 01/27/26 15:20

Matrix: Water

Date Received: 02/04/26 09:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			204812	E2HD	EA POM	02/10/26 16:34
Total/NA	Analysis	533		1	204959	SZ9R	EA POM	02/11/26 10:48

Client Sample ID: GAC-1A_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-2

Date Collected: 01/27/26 15:20

Matrix: Water

Date Received: 02/04/26 09:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			204812	E2HD	EA POM	02/10/26 16:34
Total/NA	Analysis	533		1	204959	SZ9R	EA POM	02/11/26 10:57

Client Sample ID: GAC-1B_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-3

Date Collected: 01/27/26 15:20

Matrix: Water

Date Received: 02/04/26 09:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			204812	E2HD	EA POM	02/10/26 16:34
Total/NA	Analysis	533		1	204959	SZ9R	EA POM	02/11/26 11:07

Client Sample ID: Control-A_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-4

Date Collected: 01/27/26 15:40

Matrix: Water

Date Received: 02/04/26 09:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			204812	E2HD	EA POM	02/10/26 16:34
Total/NA	Analysis	533		1	204959	SZ9R	EA POM	02/11/26 11:17

Client Sample ID: Control-B_CVWD_80,000 EBVS

Lab Sample ID: 380-196151-5

Date Collected: 01/27/26 15:20

Matrix: Water

Date Received: 02/04/26 09:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			204812	E2HD	EA POM	02/10/26 16:34
Total/NA	Analysis	533		1	204959	SZ9R	EA POM	02/11/26 11:26

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Laboratory: Eurofins Pomona

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11320	04-01-26
Utah	NELAP	CA00006	01-31-27

1
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14
15

Method Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA POM
533	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	EA POM

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-196151-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-196151-1	GAC-Influent_CVWD_80,000 EBVS	Water	01/27/26 15:20	02/04/26 09:22	Washington
380-196151-2	GAC-1A_CVWD_80,000 EBVS	Water	01/27/26 15:20	02/04/26 09:22	Washington
380-196151-3	GAC-1B_CVWD_80,000 EBVS	Water	01/27/26 15:20	02/04/26 09:22	Washington
380-196151-4	Control-A_CVWD_80,000 EBVS	Water	01/27/26 15:40	02/04/26 09:22	Washington
380-196151-5	Control-B_CVWD_80,000 EBVS	Water	01/27/26 15:20	02/04/26 09:22	Washington

Login Sample Receipt Checklist

Client: CDM Smith Inc

Job Number: 380-196151-1

Login Number: 196151

List Number: 1

Creator: Tran, Kristine

List Source: Eurofins Pomona

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Sample Preservative Verified	True	
Container provided by EEA	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Julie Devon
CDM Smith Inc
14432 S.E. Eastgate Way
Suite 100
Bellevue, Washington 98007-6493

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JOB DESCRIPTION

Crescenta Valley RSSCT

JOB NUMBER

380-197362-1

Eurofins Pomona

Job Notes

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Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.
(DW, Water matrices)

Authorization



Authorized for release by
Christine Novshadayan, Project Manager
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(626)386-1100

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Definitions/Glossary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: CDM Smith Inc
Project: Crescenta Valley RSSCT

Job ID: 380-197362-1

Job ID: 380-197362-1

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Job Narrative 380-197362-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/11/2026 9:46 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.9°C.

PFAS

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

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Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Client Sample ID: GAC-Influent_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	25		2.0	0.37	ng/L	1			533	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.4		2.0	0.39	ng/L	1			533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	17		2.0	0.32	ng/L	1			533	Total/NA
Perfluorohexanoic acid (PFHxA)	29		2.0	0.46	ng/L	1			533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.9		2.0	0.43	ng/L	1			533	Total/NA
Perfluorooctanoic acid (PFOA)	16		2.0	0.38	ng/L	1			533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1			533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1			533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.4	J	2.0	0.39	ng/L	1			533	Total/NA

Client Sample ID: GAC-1A_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	36		2.0	0.37	ng/L	1			533	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.5		2.0	0.39	ng/L	1			533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.9	J	2.0	0.32	ng/L	1			533	Total/NA
Perfluorohexanoic acid (PFHxA)	42		2.0	0.46	ng/L	1			533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.61	J	2.0	0.43	ng/L	1			533	Total/NA
Perfluorooctanoic acid (PFOA)	2.4		2.0	0.38	ng/L	1			533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1			533	Total/NA
Perfluoropentanoic acid (PFPeA)	32		2.0	0.38	ng/L	1			533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.77	J	2.0	0.39	ng/L	1			533	Total/NA

Client Sample ID: GAC-1B_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	34		2.0	0.37	ng/L	1			533	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.6		2.0	0.39	ng/L	1			533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.9	J	2.0	0.32	ng/L	1			533	Total/NA
Perfluorohexanoic acid (PFHxA)	43		2.0	0.46	ng/L	1			533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.72	J	2.0	0.43	ng/L	1			533	Total/NA
Perfluorooctanoic acid (PFOA)	2.3		2.0	0.38	ng/L	1			533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1			533	Total/NA
Perfluoropentanoic acid (PFPeA)	32		2.0	0.38	ng/L	1			533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.75	J	2.0	0.39	ng/L	1			533	Total/NA

Client Sample ID: Control-A_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	23		2.0	0.38	ng/L	1			533	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.7		2.0	0.40	ng/L	1			533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.33	ng/L	1			533	Total/NA
Perfluorohexanoic acid (PFHxA)	29		2.0	0.47	ng/L	1			533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.9		2.0	0.44	ng/L	1			533	Total/NA
Perfluorooctanoic acid (PFOA)	15		2.0	0.39	ng/L	1			533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.70	ng/L	1			533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1			533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.3	J	2.0	0.39	ng/L	1			533	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Client Sample ID: Control-B_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	24		2.0	0.37	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	9.1		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	17		2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	29		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.8		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	16		2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1		533	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.37	J	2.0	0.36	ng/L	1		533	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.3	J	2.0	0.39	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Client Sample ID: GAC-Influent_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-1

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		02/18/26 11:27	02/19/26 10:38	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		02/18/26 11:27	02/19/26 10:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		02/18/26 11:27	02/19/26 10:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluorobutanesulfonic acid (PFBS)	25		2.0	0.37	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluoroheptanoic acid (PFHpA)	8.4		2.0	0.39	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluorohexanesulfonic acid (PFHxS)	17		2.0	0.32	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluorohexanoic acid (PFHxA)	29		2.0	0.46	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluorooctanesulfonic acid (PFOS)	8.9		2.0	0.43	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluorooctanoic acid (PFOA)	16		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		02/18/26 11:27	02/19/26 10:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 10:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		02/18/26 11:27	02/19/26 10:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		02/18/26 11:27	02/19/26 10:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		02/18/26 11:27	02/19/26 10:38	1
Perfluoropentanesulfonic acid (PFPeS)	1.4 J		2.0	0.39	ng/L		02/18/26 11:27	02/19/26 10:38	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	90		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C6 PFDA	74		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C5 PFHxA	93		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C4 PFHpA	92		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C8 PFOA	84		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C9 PFNA	81		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C7 PFUnA	71		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C2 PFDoA	76		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C4 PFBA	98		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C5 PFPeA	98		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C3 PFBS	116		50 - 200	02/18/26 11:27	02/19/26 10:38	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Client Sample ID: GAC-Influent_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-1

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFHxS	117		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C8 PFOS	113		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C2-4:2-FTS	149		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C2-6:2-FTS	154		50 - 200	02/18/26 11:27	02/19/26 10:38	1
13C2-8:2-FTS	133		50 - 200	02/18/26 11:27	02/19/26 10:38	1

Client Sample ID: GAC-1A_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-2

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		02/18/26 11:27	02/19/26 10:48	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		02/18/26 11:27	02/19/26 10:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		02/18/26 11:27	02/19/26 10:48	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluorobutanesulfonic acid (PFBS)	36		2.0	0.37	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluoroheptanoic acid (PFHpA)	6.5		2.0	0.39	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluorohexanesulfonic acid (PFHxS)	1.9 J		2.0	0.32	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluorohexanoic acid (PFHxA)	42		2.0	0.46	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluorooctanesulfonic acid (PFOS)	0.61 J		2.0	0.43	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluorooctanoic acid (PFOA)	2.4		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		02/18/26 11:27	02/19/26 10:48	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 10:48	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		02/18/26 11:27	02/19/26 10:48	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		02/18/26 11:27	02/19/26 10:48	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluoropentanoic acid (PFPeA)	32		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		02/18/26 11:27	02/19/26 10:48	1
Perfluoropentanesulfonic acid (PFPeS)	0.77 J		2.0	0.39	ng/L		02/18/26 11:27	02/19/26 10:48	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Client Sample ID: GAC-1A_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-2

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	73		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C6 PFDA	75		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C5 PFHxA	79		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C4 PFHpA	83		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C8 PFOA	79		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C9 PFNA	78		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C7 PFUnA	80		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C2 PFDoA	84		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C4 PFBA	81		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C5 PFPeA	80		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C3 PFBS	104		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C3 PFHxS	110		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C8 PFOS	103		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C2-4:2-FTS	116		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C2-6:2-FTS	115		50 - 200	02/18/26 11:27	02/19/26 10:48	1
13C2-8:2-FTS	105		50 - 200	02/18/26 11:27	02/19/26 10:48	1

Client Sample ID: GAC-1B_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-3

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		02/18/26 11:27	02/19/26 10:57	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		02/18/26 11:27	02/19/26 10:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		02/18/26 11:27	02/19/26 10:57	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluorobutanesulfonic acid (PFBS)	34		2.0	0.37	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluoroheptanoic acid (PFHpA)	6.6		2.0	0.39	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluorohexanesulfonic acid (PFHxS)	1.9 J		2.0	0.32	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluorohexanoic acid (PFHxA)	43		2.0	0.46	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluorooctanesulfonic acid (PFOS)	0.72 J		2.0	0.43	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluorooctanoic acid (PFOA)	2.3		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		02/18/26 11:27	02/19/26 10:57	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 10:57	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		02/18/26 11:27	02/19/26 10:57	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		02/18/26 11:27	02/19/26 10:57	1
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		02/18/26 11:27	02/19/26 10:57	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Client Sample ID: GAC-1B_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-3

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluoropentanoic acid (PFPeA)	32		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		02/18/26 11:27	02/19/26 10:57	1
Perfluoropentanesulfonic acid (PFPeS)	0.75	J	2.0	0.39	ng/L		02/18/26 11:27	02/19/26 10:57	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	59		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C6 PFDA	61		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C5 PFHxA	67		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C4 PFHpA	66		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C8 PFOA	66		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C9 PFNA	67		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C7 PFUnA	65		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C2 PFDoA	70		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C4 PFBA	77		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C5 PFPeA	73		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C3 PFBS	115		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C3 PFHxS	117		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C8 PFOS	105		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C2-4:2-FTS	132		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C2-6:2-FTS	122		50 - 200				02/18/26 11:27	02/19/26 10:57	1
13C2-8:2-FTS	112		50 - 200				02/18/26 11:27	02/19/26 10:57	1

Client Sample ID: Control-A_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-4

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		02/18/26 11:27	02/19/26 11:07	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.31	ng/L		02/18/26 11:27	02/19/26 11:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.61	ng/L		02/18/26 11:27	02/19/26 11:07	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluorobutanesulfonic acid (PFBS)	23		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.32	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluoroheptanoic acid (PFHpA)	8.7		2.0	0.40	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.33	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluorohexanoic acid (PFHxA)	29		2.0	0.47	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.41	ng/L		02/18/26 11:27	02/19/26 11:07	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Client Sample ID: Control-A_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-4

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	7.9		2.0	0.44	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluorooctanoic acid (PFOA)	15		2.0	0.39	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.43	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.70	ng/L		02/18/26 11:27	02/19/26 11:07	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.39	ng/L		02/18/26 11:27	02/19/26 11:07	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		02/18/26 11:27	02/19/26 11:07	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		02/18/26 11:27	02/19/26 11:07	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.47	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		02/18/26 11:27	02/19/26 11:07	1
Perfluoropentanesulfonic acid (PFPeS)	1.3 J		2.0	0.39	ng/L		02/18/26 11:27	02/19/26 11:07	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	105		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C6 PFDA	84		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C5 PFHxA	101		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C4 PFHpA	100		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C8 PFOA	101		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C9 PFNA	95		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C7 PFUnA	68		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C2 PFDoA	62		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C4 PFBA	107		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C5 PFPeA	112		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C3 PFBS	122		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C3 PFHxS	126		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C8 PFOS	114		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C2-4:2-FTS	160		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C2-6:2-FTS	146		50 - 200	02/18/26 11:27	02/19/26 11:07	1
13C2-8:2-FTS	126		50 - 200	02/18/26 11:27	02/19/26 11:07	1

Client Sample ID: Control-B_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-5

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		02/18/26 11:27	02/19/26 11:16	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		02/18/26 11:27	02/19/26 11:16	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Client Sample ID: Control-B_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-5

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		02/18/26 11:27	02/19/26 11:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluorobutanesulfonic acid (PFBS)	24		2.0	0.37	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluoroheptanoic acid (PFHpA)	9.1		2.0	0.39	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluorohexanesulfonic acid (PFHxS)	17		2.0	0.32	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluorohexanoic acid (PFHxA)	29		2.0	0.46	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluorooctanesulfonic acid (PFOS)	8.8		2.0	0.43	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluorooctanoic acid (PFOA)	16		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		02/18/26 11:27	02/19/26 11:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 11:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		02/18/26 11:27	02/19/26 11:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		02/18/26 11:27	02/19/26 11:16	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluoroheptanesulfonic acid (PFHpS)	0.37 J		2.0	0.36	ng/L		02/18/26 11:27	02/19/26 11:16	1
Perfluoropentanesulfonic acid (PFPeS)	1.3 J		2.0	0.39	ng/L		02/18/26 11:27	02/19/26 11:16	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	88		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C6 PFDA	82		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C5 PFHxA	87		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C4 PFHpA	90		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C8 PFOA	87		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C9 PFNA	87		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C7 PFUnA	70		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C2 PFDoA	62		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C4 PFBA	93		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C5 PFPeA	92		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C3 PFBS	103		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C3 PFHxS	105		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C8 PFOS	93		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C2-4:2-FTS	128		50 - 200	02/18/26 11:27	02/19/26 11:16	1
13C2-6:2-FTS	118		50 - 200	02/18/26 11:27	02/19/26 11:16	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Client Sample ID: Control-B_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-5

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2-8:2-FTS	95		50 - 200	02/18/26 11:27	02/19/26 11:16	1

Isotope Dilution Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFDaA (50-200)
380-197362-1	GAC-Influent_CVWD_100,000 EBVS	90	74	93	92	84	81	71	76
380-197362-2	GAC-1A_CVWD_100,000 EBVS	73	75	79	83	79	78	80	84
380-197362-3	GAC-1B_CVWD_100,000 EBVS	59	61	67	66	66	67	65	70
380-197362-4	Control-A_CVWD_100,000 EBVS	105	84	101	100	101	95	68	62
380-197362-5	Control-B_CVWD_100,000 EBVS	88	82	87	90	87	87	70	62
LCS 380-206880/22-A	Lab Control Sample	112	109	112	117	112	111	110	110
MBL 380-206880/20-A	Method Blank	102	107	112	112	110	111	106	103
MRL 380-206880/21-A	Lab Control Sample	103	106	117	124	114	114	106	109
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (50-200)	PFPeA (50-200)	C3PFBS (50-200)	C3PFHS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)
380-197362-1	GAC-Influent_CVWD_100,000 EBVS	98	98	116	117	113	149	154	133
380-197362-2	GAC-1A_CVWD_100,000 EBVS	81	80	104	110	103	116	115	105
380-197362-3	GAC-1B_CVWD_100,000 EBVS	77	73	115	117	105	132	122	112
380-197362-4	Control-A_CVWD_100,000 EBVS	107	112	122	126	114	160	146	126
380-197362-5	Control-B_CVWD_100,000 EBVS	93	92	103	105	93	128	118	95
LCS 380-206880/22-A	Lab Control Sample	108	107	109	118	112	110	105	106
MBL 380-206880/20-A	Method Blank	109	105	112	111	112	118	114	105
MRL 380-206880/21-A	Lab Control Sample	107	108	118	119	111	122	118	106

Surrogate Legend

HFPODA = 13C3 HFPO-DA
C6PFDA = 13C6 PFDA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
13C7PUA = 13C7 PFUnA
PFDaA = 13C2 PFDaA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
42FTS = 13C2-4:2-FTS
62FTS = 13C2-6:2-FTS
82FTS = 13C2-8:2-FTS

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Lab Sample ID: MBL 380-206880/20-A

Matrix: Water

Analysis Batch: 207175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 206880

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		02/18/26 11:27	02/19/26 08:05	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		02/18/26 11:27	02/19/26 08:05	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		02/18/26 11:27	02/19/26 08:05	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.43	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluorobutanoic acid (PFBA)	ND		2.0	0.69	ng/L		02/18/26 11:27	02/19/26 08:05	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 08:05	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		02/18/26 11:27	02/19/26 08:05	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		02/18/26 11:27	02/19/26 08:05	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		02/18/26 11:27	02/19/26 08:05	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		02/18/26 11:27	02/19/26 08:05	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	102		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C6 PFDA	107		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C5 PFHxA	112		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C4 PFHpA	112		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C8 PFOA	110		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C9 PFNA	111		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C7 PFUnA	106		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C2 PFDoA	103		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C4 PFBA	109		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C5 PFPeA	105		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C3 PFBS	112		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C3 PFHxS	111		50 - 200	02/18/26 11:27	02/19/26 08:05	1

Eurofins Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 380-206880/20-A

Matrix: Water

Analysis Batch: 207175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 206880

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	112		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C2-4:2-FTS	118		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C2-6:2-FTS	114		50 - 200	02/18/26 11:27	02/19/26 08:05	1
13C2-8:2-FTS	105		50 - 200	02/18/26 11:27	02/19/26 08:05	1

Lab Sample ID: LCS 380-206880/22-A

Matrix: Water

Analysis Batch: 207175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 206880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	60.1	62.4		ng/L		104	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	60.1	64.5		ng/L		107	70 - 130
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	60.1	56.3		ng/L		94	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	60.1	61.7		ng/L		103	70 - 130
Perfluorobutanesulfonic acid (PFBS)	60.1	67.4		ng/L		112	70 - 130
Perfluorodecanoic acid (PFDA)	60.1	61.6		ng/L		102	70 - 130
Perfluorododecanoic acid (PFDoA)	60.1	61.4		ng/L		102	70 - 130
Perfluoroheptanoic acid (PFHpA)	60.1	59.2		ng/L		98	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	60.1	60.6		ng/L		101	70 - 130
Perfluorohexanoic acid (PFHxA)	60.1	65.0		ng/L		108	70 - 130
Perfluorononanoic acid (PFNA)	60.1	62.9		ng/L		105	70 - 130
Perfluorooctanesulfonic acid (PFOS)	60.1	61.2		ng/L		102	70 - 130
Perfluorooctanoic acid (PFOA)	60.1	61.8		ng/L		103	70 - 130
Perfluoroundecanoic acid (PFUnA)	60.1	62.2		ng/L		104	70 - 130
Perfluorobutanoic acid (PFBA)	60.1	63.4		ng/L		105	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	60.1	64.0		ng/L		107	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	60.1	65.4		ng/L		109	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	60.1	63.0		ng/L		105	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	60.1	68.8		ng/L		115	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	60.1	71.7		ng/L		119	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	60.1	63.3		ng/L		105	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	60.1	65.4		ng/L		109	70 - 130
Perfluoropentanoic acid (PFPeA)	60.1	63.8		ng/L		106	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	60.1	60.9		ng/L		101	70 - 130

Eurofins Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-206880/22-A

Matrix: Water

Analysis Batch: 207175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 206880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits																																																																																																																																																
Perfluoropentanesulfonic acid (PFPeS)	60.1	58.6		ng/L		97	70 - 130																																																																																																																																																
<table> <tr> <th colspan="2">LCS</th><th>LCS</th><th colspan="5"></th></tr> <tr> <th>Isotope Dilution</th><th>%Recovery</th><th>Qualifier</th><th colspan="5">Limits</th></tr> <tr> <td>13C3 HFPO-DA</td><td>112</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C6 PFDA</td><td>109</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C5 PFHxA</td><td>112</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C4 PFHpA</td><td>117</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C8 PFOA</td><td>112</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C9 PFNA</td><td>111</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C7 PFUnA</td><td>110</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C2 PFDoA</td><td>110</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C4 PFBA</td><td>108</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C5 PFPeA</td><td>107</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C3 PFBS</td><td>109</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C3 PFHxS</td><td>118</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C8 PFOS</td><td>112</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C2-4:2-FTS</td><td>110</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C2-6:2-FTS</td><td>105</td><td></td><td colspan="5">50 - 200</td></tr> <tr> <td>13C2-8:2-FTS</td><td>106</td><td></td><td colspan="5">50 - 200</td></tr> </table>								LCS		LCS						Isotope Dilution	%Recovery	Qualifier	Limits					13C3 HFPO-DA	112		50 - 200					13C6 PFDA	109		50 - 200					13C5 PFHxA	112		50 - 200					13C4 PFHpA	117		50 - 200					13C8 PFOA	112		50 - 200					13C9 PFNA	111		50 - 200					13C7 PFUnA	110		50 - 200					13C2 PFDoA	110		50 - 200					13C4 PFBA	108		50 - 200					13C5 PFPeA	107		50 - 200					13C3 PFBS	109		50 - 200					13C3 PFHxS	118		50 - 200					13C8 PFOS	112		50 - 200					13C2-4:2-FTS	110		50 - 200					13C2-6:2-FTS	105		50 - 200					13C2-8:2-FTS	106		50 - 200				
LCS		LCS																																																																																																																																																					
Isotope Dilution	%Recovery	Qualifier	Limits																																																																																																																																																				
13C3 HFPO-DA	112		50 - 200																																																																																																																																																				
13C6 PFDA	109		50 - 200																																																																																																																																																				
13C5 PFHxA	112		50 - 200																																																																																																																																																				
13C4 PFHpA	117		50 - 200																																																																																																																																																				
13C8 PFOA	112		50 - 200																																																																																																																																																				
13C9 PFNA	111		50 - 200																																																																																																																																																				
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13C4 PFBA	108		50 - 200																																																																																																																																																				
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13C2-4:2-FTS	110		50 - 200																																																																																																																																																				
13C2-6:2-FTS	105		50 - 200																																																																																																																																																				
13C2-8:2-FTS	106		50 - 200																																																																																																																																																				

Lab Sample ID: MRL 380-206880/21-A

Matrix: Water

Analysis Batch: 207175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 206880

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.00	2.25		ng/L		112	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	2.00	2.44		ng/L		122	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.00	1.98	J	ng/L		99	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.00	2.35		ng/L		117	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.00	2.19		ng/L		109	50 - 150
Perfluorodecanoic acid (PFDA)	2.00	2.24		ng/L		112	50 - 150
Perfluorododecanoic acid (PFDoA)	2.00	2.11		ng/L		105	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.00	1.99	J	ng/L		99	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.00	2.25		ng/L		112	50 - 150
Perfluorohexanoic acid (PFHxA)	2.00	2.16		ng/L		108	50 - 150
Perfluorononanoic acid (PFNA)	2.00	2.19		ng/L		109	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.00	2.25		ng/L		112	50 - 150
Perfluorooctanoic acid (PFOA)	2.00	2.20		ng/L		110	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.00	2.14		ng/L		107	50 - 150
Perfluorobutanoic acid (PFBA)	2.00	2.31		ng/L		115	50 - 150

Eurofins Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MRL 380-206880/21-A

Matrix: Water

Analysis Batch: 207175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 206880

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.00	2.19		ng/L		109	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.00	2.56		ng/L		128	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.00	2.52		ng/L		126	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.00	2.24		ng/L		112	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.00	2.19		ng/L		109	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.00	2.20		ng/L		110	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.00	2.22		ng/L		111	50 - 150
Perfluoropentanoic acid (PFPeA)	2.00	2.27		ng/L		113	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.00	2.23		ng/L		111	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.00	2.07		ng/L		103	50 - 150

Isotope Dilution	MRL %Recovery	MRL Qualifier	MRL Limits
13C3 HFPO-DA	103		50 - 200
13C6 PFDA	106		50 - 200
13C5 PFHxA	117		50 - 200
13C4 PFHpA	124		50 - 200
13C8 PFOA	114		50 - 200
13C9 PFNA	114		50 - 200
13C7 PFUnA	106		50 - 200
13C2 PFDoA	109		50 - 200
13C4 PFBA	107		50 - 200
13C5 PFPeA	108		50 - 200
13C3 PFBS	118		50 - 200
13C3 PFHxS	119		50 - 200
13C8 PFOS	111		50 - 200
13C2-4:2-FTS	122		50 - 200
13C2-6:2-FTS	118		50 - 200
13C2-8:2-FTS	106		50 - 200

QC Association Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

LCMS

Prep Batch: 206880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-197362-1	GAC-Influent_CVWD_100,000 EBVS	Total/NA	Water	533	
380-197362-2	GAC-1A_CVWD_100,000 EBVS	Total/NA	Water	533	
380-197362-3	GAC-1B_CVWD_100,000 EBVS	Total/NA	Water	533	
380-197362-4	Control-A_CVWD_100,000 EBVS	Total/NA	Water	533	
380-197362-5	Control-B_CVWD_100,000 EBVS	Total/NA	Water	533	
MBL 380-206880/20-A	Method Blank	Total/NA	Water	533	
LCS 380-206880/22-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-206880/21-A	Lab Control Sample	Total/NA	Water	533	

Analysis Batch: 207175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-197362-1	GAC-Influent_CVWD_100,000 EBVS	Total/NA	Water	533	206880
380-197362-2	GAC-1A_CVWD_100,000 EBVS	Total/NA	Water	533	206880
380-197362-3	GAC-1B_CVWD_100,000 EBVS	Total/NA	Water	533	206880
380-197362-4	Control-A_CVWD_100,000 EBVS	Total/NA	Water	533	206880
380-197362-5	Control-B_CVWD_100,000 EBVS	Total/NA	Water	533	206880
MBL 380-206880/20-A	Method Blank	Total/NA	Water	533	206880
LCS 380-206880/22-A	Lab Control Sample	Total/NA	Water	533	206880
MRL 380-206880/21-A	Lab Control Sample	Total/NA	Water	533	206880

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Client Sample ID: GAC-Influent_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-1

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			206880	N8NE	EA POM	02/18/26 11:27
Total/NA	Analysis	533		1	207175	SZ9R	EA POM	02/19/26 10:38

Client Sample ID: GAC-1A_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-2

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			206880	N8NE	EA POM	02/18/26 11:27
Total/NA	Analysis	533		1	207175	SZ9R	EA POM	02/19/26 10:48

Client Sample ID: GAC-1B_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-3

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			206880	N8NE	EA POM	02/18/26 11:27
Total/NA	Analysis	533		1	207175	SZ9R	EA POM	02/19/26 10:57

Client Sample ID: Control-A_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-4

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			206880	N8NE	EA POM	02/18/26 11:27
Total/NA	Analysis	533		1	207175	SZ9R	EA POM	02/19/26 11:07

Client Sample ID: Control-B_CVWD_100,000 EBVS

Lab Sample ID: 380-197362-5

Date Collected: 02/09/26 09:30

Matrix: Water

Date Received: 02/11/26 09:46

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			206880	N8NE	EA POM	02/18/26 11:27
Total/NA	Analysis	533		1	207175	SZ9R	EA POM	02/19/26 11:16

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Laboratory: Eurofins Pomona

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11320	04-01-26
Utah	NELAP	CA00006	01-31-27

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Method Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA POM
533	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	EA POM

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-197362-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-197362-1	GAC-Influent_CVWD_100,000 EBVS	Water	02/09/26 09:30	02/11/26 09:46	Washington
380-197362-2	GAC-1A_CVWD_100,000 EBVS	Water	02/09/26 09:30	02/11/26 09:46	Washington
380-197362-3	GAC-1B_CVWD_100,000 EBVS	Water	02/09/26 09:30	02/11/26 09:46	Washington
380-197362-4	Control-A_CVWD_100,000 EBVS	Water	02/09/26 09:30	02/11/26 09:46	Washington
380-197362-5	Control-B_CVWD_100,000 EBVS	Water	02/09/26 09:30	02/11/26 09:46	Washington

Chain of Custody Record

Client Information		Sampler: Elizabeth Zielgemeyer		Lab P/N: Novshadayan Chrstine		Carrier Tracking No(s):		COC No:	
Client Contact: Paul Ho		Phone: 425-519-8340		E-Mail: Christine.Novshadayan@et-eurofins.com		State of Origin: WA		Page: Page 1 of 1	
Company: CDM Smith Inc		PWSID:		Analysis Requested		Job #:		Preservation Codes: I NH4 Acetate	
Address: 14432 S.E. Eastgate Way Suite 100		Due Date Requested:		Standard TAT		Total Number of containers		Other	
City: Bellevue		TAT Requested (days)		Compliance Project: ☐ Yes ☒ No		Perform MS/MSD (Yes or No)		Field Filtered Sample (Yes or No)	
State Zip: WA, 98007-6493		PO #: 127679		WO #:		633 - All Analyses		Total Number of containers	
Phone: 425-519-8314(Tel)		Email: hopc@cdmsmith.com		Project #: 38010498		Field Filtered Sample (Yes or No)		Total Number of containers	
Site: Crescenta Valley RSSCT		SSOW#:		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Sample Identification		Sample Date		Sample Time		Matrix		Preservation Code:	
GAC-Influent_CVWD_100 000 EBVS		2/9/2026		9:30		G		W	
GAC-1A_CVWD_100,000 EBVS		2/9/2026		9:30		G		W	
GAC-1B_CVWD_100 000 EBVS		2/9/2026		9:30		G		W	
Control-A_CVWD_100 000 EBVS		2/9/2026		9:30		G		W	
Control-B_CVWD_100 000 EBVS		2/9/2026		9:30		G		W	
Possible Hazard Identification		Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐		Deliverable Requested I, II, III, IV Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client ☐ Archive For ☐ Months	
Empty Kit Relinquished by:		Date:		Time:		Special Instructions/QC Requirements:		Method of Shipment:	
Relinquished by: Jeffery Warrington		Date/Time: 2-10-2026 15:00		Company: CDM Smith		Received by: Jack Drabich		Date/Time: 2/11/26 9:46	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: ☐ Yes ☒ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 4.1-0.2 < 3.9 free frozen		Company: FEAP		Date/Time: 2/11/26 9:46	

Login Sample Receipt Checklist

Client: CDM Smith Inc

Job Number: 380-197362-1

Login Number: 197362

List Number: 1

Creator: Del Rosario, Michael

List Source: Eurofins Pomona

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Sample Preservative Verified	True	
Container provided by EEA	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Julie Devon
CDM Smith Inc
14432 S.E. Eastgate Way
Suite 100
Bellevue, Washington 98007-6493

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JOB DESCRIPTION

Crescenta Valley RSSCT

JOB NUMBER

380-189218-1

Eurofins Pomona

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater West, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.
(DW, Water matrices)

Authorization



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Authorized for release by
Christine Novshadayan, Project Manager
Christine.Novshadayan@et.eurofinsus.com
(626)386-1100

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Definitions/Glossary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: CDM Smith Inc
Project: Crescenta Valley RSSCT

Job ID: 380-189218-1

Job ID: 380-189218-1

Eurofins Pomona

Job Narrative 380-189218-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/23/2025 11:16 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C.

PFAS

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

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Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-1A_CVWD_30,000EBVS

Lab Sample ID: 380-189218-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	3.0		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.80	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-1B_CVWD_30,000EBVS

Lab Sample ID: 380-189218-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	2.9		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.60	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.49	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	25		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-3A_CVWD_30,000EBVS

Lab Sample ID: 380-189218-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.80	J	2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.78	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	11		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-3B_CVWD_30,000EBVS

Lab Sample ID: 380-189218-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.79	J	2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.99	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.46	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	9.6		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-1A_CVWD_60,000EBVS

Lab Sample ID: 380-189218-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.51	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	15		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.2		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.48	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-1B_CVWD_60,000EBVS

Lab Sample ID: 380-189218-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.48	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.32	J	2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	17		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.4		2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.46	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	28		2.0	0.38	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-3A_CVWD_60,000EBVS

Lab Sample ID: 380-189218-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	6.4		2.0	0.47	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.0	0.44	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.70	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	22		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-3B_CVWD_60,000EBVS

Lab Sample ID: 380-189218-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	0.56	J	2.0	0.31	ng/L	1		533	Total/NA
Perfluorododecanoic acid (PFDoA)	0.54	J	2.0	0.54	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.58	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.33	J	2.0	0.32	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	6.7		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.9	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.84	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.67	J	2.0	0.42	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	23		2.0	0.38	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-1A_CVWD_30,000EBVS

Lab Sample ID: 380-189218-1

Date Collected: 12/16/25 13:36

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 12:04	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 12:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		12/30/25 20:27	12/31/25 12:04	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluorohexanoic acid (PFHxA)	3.0		2.0	0.46	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluorooctanesulfonic acid (PFOS)	0.80	J	2.0	0.43	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		12/30/25 20:27	12/31/25 12:04	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:04	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 12:04	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		12/30/25 20:27	12/31/25 12:04	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluoropentanoic acid (PFPeA)	26		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		12/30/25 20:27	12/31/25 12:04	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		12/30/25 20:27	12/31/25 12:04	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	74		50 - 200				12/30/25 20:27	12/31/25 12:04	1
13C6 PFDA	62		50 - 200				12/30/25 20:27	12/31/25 12:04	1
13C5 PFHxA	82		50 - 200				12/30/25 20:27	12/31/25 12:04	1
13C4 PFHpA	76		50 - 200				12/30/25 20:27	12/31/25 12:04	1
13C8 PFOA	74		50 - 200				12/30/25 20:27	12/31/25 12:04	1
13C9 PFNA	67		50 - 200				12/30/25 20:27	12/31/25 12:04	1
13C7 PFUnA	67		50 - 200				12/30/25 20:27	12/31/25 12:04	1
13C2 PFDoA	74		50 - 200				12/30/25 20:27	12/31/25 12:04	1
13C4 PFBA	83		50 - 200				12/30/25 20:27	12/31/25 12:04	1
13C5 PFPeA	81		50 - 200				12/30/25 20:27	12/31/25 12:04	1
13C3 PFBS	105		50 - 200				12/30/25 20:27	12/31/25 12:04	1
13C3 PFHxS	101		50 - 200				12/30/25 20:27	12/31/25 12:04	1
13C8 PFOS	104		50 - 200				12/30/25 20:27	12/31/25 12:04	1

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-1A_CVWD_30,000EBVS

Lab Sample ID: 380-189218-1

Date Collected: 12/16/25 13:36

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-4:2-FTS	126		50 - 200	12/30/25 20:27	12/31/25 12:04	1
13C2-6:2-FTS	105		50 - 200	12/30/25 20:27	12/31/25 12:04	1
13C2-8:2-FTS	87		50 - 200	12/30/25 20:27	12/31/25 12:04	1

Client Sample ID: AER-1B_CVWD_30,000EBVS

Lab Sample ID: 380-189218-2

Date Collected: 12/16/25 13:36

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 12:14	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 12:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		12/30/25 20:27	12/31/25 12:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluorohexanoic acid (PFHxA)	2.9	J	2.0	0.46	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluorooctanesulfonic acid (PFOS)	0.60	J	2.0	0.43	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluorooctanoic acid (PFOA)	0.49	J	2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		12/30/25 20:27	12/31/25 12:14	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:14	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 12:14	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		12/30/25 20:27	12/31/25 12:14	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluoropentanoic acid (PFPeA)	25		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		12/30/25 20:27	12/31/25 12:14	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		12/30/25 20:27	12/31/25 12:14	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	70		50 - 200				12/30/25 20:27	12/31/25 12:14	1
13C6 PFDA	55		50 - 200				12/30/25 20:27	12/31/25 12:14	1
13C5 PFHxA	75		50 - 200				12/30/25 20:27	12/31/25 12:14	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-1B_CVWD_30,000EBVS

Lab Sample ID: 380-189218-2

Date Collected: 12/16/25 13:36

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	72		50 - 200	12/30/25 20:27	12/31/25 12:14	1
13C8 PFOA	70		50 - 200	12/30/25 20:27	12/31/25 12:14	1
13C9 PFNA	61		50 - 200	12/30/25 20:27	12/31/25 12:14	1
13C7 PFUnA	58		50 - 200	12/30/25 20:27	12/31/25 12:14	1
13C2 PFDoA	70		50 - 200	12/30/25 20:27	12/31/25 12:14	1
13C4 PFBA	79		50 - 200	12/30/25 20:27	12/31/25 12:14	1
13C5 PFPeA	79		50 - 200	12/30/25 20:27	12/31/25 12:14	1
13C3 PFBS	98		50 - 200	12/30/25 20:27	12/31/25 12:14	1
13C3 PFHxS	96		50 - 200	12/30/25 20:27	12/31/25 12:14	1
13C8 PFOS	98		50 - 200	12/30/25 20:27	12/31/25 12:14	1
13C2-4:2-FTS	122		50 - 200	12/30/25 20:27	12/31/25 12:14	1
13C2-6:2-FTS	103		50 - 200	12/30/25 20:27	12/31/25 12:14	1
13C2-8:2-FTS	96		50 - 200	12/30/25 20:27	12/31/25 12:14	1

Client Sample ID: AER-3A_CVWD_30,000EBVS

Lab Sample ID: 380-189218-3

Date Collected: 12/16/25 13:36

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 12:23	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 12:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		12/30/25 20:27	12/31/25 12:23	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluorohexanoic acid (PFHxA)	0.80	J	2.0	0.46	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluorooctanesulfonic acid (PFOS)	0.78	J	2.0	0.43	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		12/30/25 20:27	12/31/25 12:23	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:23	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 12:23	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		12/30/25 20:27	12/31/25 12:23	1
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		12/30/25 20:27	12/31/25 12:23	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-3A_CVWD_30,000EBVS

Lab Sample ID: 380-189218-3

Date Collected: 12/16/25 13:36

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluoropentanoic acid (PFPeA)	11		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		12/30/25 20:27	12/31/25 12:23	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		12/30/25 20:27	12/31/25 12:23	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	70		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C6 PFDA	60		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C5 PFHxA	79		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C4 PFHpA	75		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C8 PFOA	74		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C9 PFNA	70		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C7 PFUnA	59		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C2 PFDoA	71		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C4 PFBA	80		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C5 PFPeA	84		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C3 PFBS	101		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C3 PFHxS	101		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C8 PFOS	103		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C2-4:2-FTS	132		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C2-6:2-FTS	109		50 - 200				12/30/25 20:27	12/31/25 12:23	1
13C2-8:2-FTS	102		50 - 200				12/30/25 20:27	12/31/25 12:23	1

Client Sample ID: AER-3B_CVWD_30,000EBVS

Lab Sample ID: 380-189218-4

Date Collected: 12/16/25 13:36

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 12:33	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 12:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		12/30/25 20:27	12/31/25 12:33	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluorohexanoic acid (PFHxA)	0.79	J	2.0	0.46	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluorooctanesulfonic acid (PFOS)	0.99	J	2.0	0.43	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluorooctanoic acid (PFOA)	0.46	J	2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		12/30/25 20:27	12/31/25 12:33	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-3B_CVWD_30,000EBVS

Lab Sample ID: 380-189218-4

Date Collected: 12/16/25 13:36

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:33	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 12:33	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		12/30/25 20:27	12/31/25 12:33	1
Nonfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		2.0	0.47	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFESA)	ND		2.0	0.25	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluoropentanoic acid (PFPeA)	9.6		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		12/30/25 20:27	12/31/25 12:33	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		12/30/25 20:27	12/31/25 12:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	97		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C6 PFDA	107		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C5 PFHxA	110		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C4 PFHpA	108		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C8 PFOA	113		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C9 PFNA	113		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C7 PFUnA	104		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C2 PFDoA	107		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C4 PFBA	110		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C5 PFPeA	113		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C3 PFBS	109		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C3 PFHxS	101		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C8 PFOS	107		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C2-4:2-FTS	131		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C2-6:2-FTS	110		50 - 200				12/30/25 20:27	12/31/25 12:33	1
13C2-8:2-FTS	94		50 - 200				12/30/25 20:27	12/31/25 12:33	1

Client Sample ID: AER-1A_CVWD_60,000EBVS

Lab Sample ID: 380-189218-5

Date Collected: 12/22/25 09:00

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 12:42	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 12:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		12/30/25 20:27	12/31/25 12:42	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		12/30/25 20:27	12/31/25 12:42	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-1A_CVWD_60,000EBVS

Lab Sample ID: 380-189218-5

Date Collected: 12/22/25 09:00

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluoroheptanoic acid (PFHpA)	0.51	J	2.0	0.39	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluorohexanoic acid (PFHxA)	15		2.0	0.46	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluorooctanesulfonic acid (PFOS)	2.2		2.0	0.43	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluorooctanoic acid (PFOA)	0.48	J	2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		12/30/25 20:27	12/31/25 12:42	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:42	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 12:42	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		12/30/25 20:27	12/31/25 12:42	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		12/30/25 20:27	12/31/25 12:42	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		12/30/25 20:27	12/31/25 12:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	73		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C6 PFDA	70		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C5 PFHxA	81		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C4 PFHpA	81		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C8 PFOA	83		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C9 PFNA	77		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C7 PFUnA	73		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C2 PFDoA	80		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C4 PFBA	82		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C5 PFPeA	85		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C3 PFBS	103		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C3 PFHxS	100		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C8 PFOS	100		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C2-4:2-FTS	117		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C2-6:2-FTS	98		50 - 200	12/30/25 20:27	12/31/25 12:42	1
13C2-8:2-FTS	90		50 - 200	12/30/25 20:27	12/31/25 12:42	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-1B_CVWD_60,000EBVS

Lab Sample ID: 380-189218-6

Date Collected: 12/22/25 09:00

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 12:52	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 12:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		12/30/25 20:27	12/31/25 12:52	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluoroheptanoic acid (PFHpA)	0.48	J	2.0	0.39	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluorohexanesulfonic acid (PFHxS)	0.32	J	2.0	0.32	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluorohexanoic acid (PFHxA)	17		2.0	0.46	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluorooctanesulfonic acid (PFOS)	2.4		2.0	0.43	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluorooctanoic acid (PFOA)	0.46	J	2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		12/30/25 20:27	12/31/25 12:52	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:52	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 12:52	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		12/30/25 20:27	12/31/25 12:52	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluoropentanoic acid (PFPeA)	28		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		12/30/25 20:27	12/31/25 12:52	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		12/30/25 20:27	12/31/25 12:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	70		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C6 PFDA	78		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C5 PFHxA	80		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C4 PFHpA	83		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C8 PFOA	83		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C9 PFNA	81		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C7 PFUnA	80		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C2 PFDoA	87		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C4 PFBA	81		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C5 PFPeA	85		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C3 PFBS	105		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C3 PFHxS	100		50 - 200	12/30/25 20:27	12/31/25 12:52	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-1B_CVWD_60,000EBVS

Lab Sample ID: 380-189218-6

Date Collected: 12/22/25 09:00

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	101		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C2-4:2-FTS	121		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C2-6:2-FTS	101		50 - 200	12/30/25 20:27	12/31/25 12:52	1
13C2-8:2-FTS	94		50 - 200	12/30/25 20:27	12/31/25 12:52	1

Client Sample ID: AER-3A_CVWD_60,000EBVS

Lab Sample ID: 380-189218-7

Date Collected: 12/22/25 09:00

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/05/26 16:03	01/06/26 10:34	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.31	ng/L		01/05/26 16:03	01/06/26 10:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.61	ng/L		01/05/26 16:03	01/06/26 10:34	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.38	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.32	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.40	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.33	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluorohexanoic acid (PFHxA)	6.4		2.0	0.47	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.41	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluorooctanesulfonic acid (PFOS)	1.1 J		2.0	0.44	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.39	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.43	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.70	ng/L		01/05/26 16:03	01/06/26 10:34	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.39	ng/L		01/05/26 16:03	01/06/26 10:34	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/05/26 16:03	01/06/26 10:34	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.49	ng/L		01/05/26 16:03	01/06/26 10:34	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.48	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.47	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.16	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluoropentanoic acid (PFPeA)	22		2.0	0.38	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/05/26 16:03	01/06/26 10:34	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/05/26 16:03	01/06/26 10:34	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	88		50 - 200				01/05/26 16:03	01/06/26 10:34	1
13C6 PFDA	100		50 - 200				01/05/26 16:03	01/06/26 10:34	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-3A_CVWD_60,000EBVS

Lab Sample ID: 380-189218-7

Date Collected: 12/22/25 09:00

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFHxA	103		50 - 200	01/05/26 16:03	01/06/26 10:34	1
13C4 PFHpA	101		50 - 200	01/05/26 16:03	01/06/26 10:34	1
13C8 PFOA	102		50 - 200	01/05/26 16:03	01/06/26 10:34	1
13C9 PFNA	106		50 - 200	01/05/26 16:03	01/06/26 10:34	1
13C7 PFUnA	100		50 - 200	01/05/26 16:03	01/06/26 10:34	1
13C2 PFDoA	105		50 - 200	01/05/26 16:03	01/06/26 10:34	1
13C4 PFBA	104		50 - 200	01/05/26 16:03	01/06/26 10:34	1
13C5 PFPeA	104		50 - 200	01/05/26 16:03	01/06/26 10:34	1
13C3 PFBS	109		50 - 200	01/05/26 16:03	01/06/26 10:34	1
13C3 PFHxS	103		50 - 200	01/05/26 16:03	01/06/26 10:34	1
13C8 PFOS	108		50 - 200	01/05/26 16:03	01/06/26 10:34	1
13C2-4:2-FTS	127		50 - 200	01/05/26 16:03	01/06/26 10:34	1
13C2-6:2-FTS	118		50 - 200	01/05/26 16:03	01/06/26 10:34	1
13C2-8:2-FTS	108		50 - 200	01/05/26 16:03	01/06/26 10:34	1

Client Sample ID: AER-3B_CVWD_60,000EBVS

Lab Sample ID: 380-189218-8

Date Collected: 12/22/25 09:00

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		12/30/25 20:27	01/02/26 19:36	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		12/30/25 20:27	01/02/26 19:36	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		12/30/25 20:27	01/02/26 19:36	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluorodecanoic acid (PFDA)	0.56	J	2.0	0.31	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluorododecanoic acid (PFDoA)	0.54	J	2.0	0.54	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluoroheptanoic acid (PFHpA)	0.58	J	2.0	0.39	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluorohexanesulfonic acid (PFHxS)	0.33	J	2.0	0.32	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluorohexanoic acid (PFHxA)	6.7		2.0	0.46	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluorooctanesulfonic acid (PFOS)	1.9	J	2.0	0.43	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluorooctanoic acid (PFOA)	0.84	J	2.0	0.38	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluoroundecanoic acid (PFUnA)	0.67	J	2.0	0.42	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		12/30/25 20:27	01/02/26 19:36	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		12/30/25 20:27	01/02/26 19:36	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		12/30/25 20:27	01/02/26 19:36	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		12/30/25 20:27	01/02/26 19:36	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		12/30/25 20:27	01/02/26 19:36	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-3B_CVWD_60,000EBVS

Lab Sample ID: 380-189218-8

Date Collected: 12/22/25 09:00

Matrix: Water

Date Received: 12/23/25 11:16

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.25	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluoropentanoic acid (PFPeA)	23		2.0	0.38	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		12/30/25 20:27	01/02/26 19:36	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		12/30/25 20:27	01/02/26 19:36	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	64		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C6 PFDA	50		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C5 PFHxA	72		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C4 PFHpA	66		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C8 PFOA	64		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C9 PFNA	58		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C7 PFUnA	51		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C2 PFDoA	62		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C4 PFBA	76		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C5 PFPeA	82		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C3 PFBS	93		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C3 PFHxS	102		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C8 PFOS	99		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C2-4:2-FTS	133		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C2-6:2-FTS	130		50 - 200				12/30/25 20:27	01/02/26 19:36	1
13C2-8:2-FTS	119		50 - 200				12/30/25 20:27	01/02/26 19:36	1

Isotope Dilution Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFDaA (50-200)
380-189218-1	AER-1A_CVWD_30,000EBVS	74	62	82	76	74	67	67	74
380-189218-2	AER-1B_CVWD_30,000EBVS	70	55	75	72	70	61	58	70
380-189218-3	AER-3A_CVWD_30,000EBVS	70	60	79	75	74	70	59	71
380-189218-4	AER-3B_CVWD_30,000EBVS	97	107	110	108	113	113	104	107
380-189218-5	AER-1A_CVWD_60,000EBVS	73	70	81	81	83	77	73	80
380-189218-6	AER-1B_CVWD_60,000EBVS	70	78	80	83	83	81	80	87
380-189218-7	AER-3A_CVWD_60,000EBVS	88	100	103	101	102	106	100	105
380-189218-8	AER-3B_CVWD_60,000EBVS	64	50	72	66	64	58	51	62
LCS 380-195193/22-A	Lab Control Sample	103	112	112	116	118	123	111	108
LCS 380-195830/22-A	Lab Control Sample	109	106	110	114	110	106	107	108
MBL 380-195193/20-A	Method Blank	97	109	107	111	111	114	109	111
MBL 380-195830/20-A	Method Blank	97	98	103	101	100	103	101	102
MRL 380-195193/21-A	Lab Control Sample	100	105	106	107	112	110	102	104
MRL 380-195830/21-A	Lab Control Sample	97	100	104	104	102	100	98	102

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (50-200)	PFPeA (50-200)	C3PFBS (50-200)	C3PFHS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)
380-189218-1	AER-1A_CVWD_30,000EBVS	83	81	105	101	104	126	105	87
380-189218-2	AER-1B_CVWD_30,000EBVS	79	79	98	96	98	122	103	96
380-189218-3	AER-3A_CVWD_30,000EBVS	80	84	101	101	103	132	109	102
380-189218-4	AER-3B_CVWD_30,000EBVS	110	113	109	101	107	131	110	94
380-189218-5	AER-1A_CVWD_60,000EBVS	82	85	103	100	100	117	98	90
380-189218-6	AER-1B_CVWD_60,000EBVS	81	85	105	100	101	121	101	94
380-189218-7	AER-3A_CVWD_60,000EBVS	104	104	109	103	108	127	118	108
380-189218-8	AER-3B_CVWD_60,000EBVS	76	82	93	102	99	133	130	119
LCS 380-195193/22-A	Lab Control Sample	108	107	113	119	122	165	184	126
LCS 380-195830/22-A	Lab Control Sample	107	106	107	109	109	116	110	105
MBL 380-195193/20-A	Method Blank	104	104	98	97	106	119	129	126
MBL 380-195830/20-A	Method Blank	104	103	109	105	105	119	108	103
MRL 380-195193/21-A	Lab Control Sample	101	101	97	98	101	100	89	87
MRL 380-195830/21-A	Lab Control Sample	107	105	107	107	106	121	109	107

Surrogate Legend

HFPODA = 13C3 HFPO-DA
C6PFDA = 13C6 PFDA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
13C7PUA = 13C7 PFUnA
PFDaA = 13C2 PFDaA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
42FTS = 13C2-4:2-FTS
62FTS = 13C2-6:2-FTS
82FTS = 13C2-8:2-FTS

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Lab Sample ID: MBL 380-195193/20-A

Matrix: Water

Analysis Batch: 195228

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 195193

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 11:07	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		12/30/25 20:27	12/31/25 11:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		12/30/25 20:27	12/31/25 11:07	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.43	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluorobutanoic acid (PFBA)	ND		2.0	0.69	ng/L		12/30/25 20:27	12/31/25 11:07	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 11:07	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		12/30/25 20:27	12/31/25 11:07	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		12/30/25 20:27	12/31/25 11:07	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		12/30/25 20:27	12/31/25 11:07	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		12/30/25 20:27	12/31/25 11:07	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	97		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C6 PFDA	109		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C5 PFHxA	107		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C4 PFHpA	111		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C8 PFOA	111		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C9 PFNA	114		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C7 PFUnA	109		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C2 PFDoA	111		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C4 PFBA	104		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C5 PFPeA	104		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C3 PFBS	98		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C3 PFHxS	97		50 - 200	12/30/25 20:27	12/31/25 11:07	1

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 380-195193/20-A

Matrix: Water

Analysis Batch: 195228

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 195193

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	106		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C2-4:2-FTS	119		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C2-6:2-FTS	129		50 - 200	12/30/25 20:27	12/31/25 11:07	1
13C2-8:2-FTS	126		50 - 200	12/30/25 20:27	12/31/25 11:07	1

Lab Sample ID: LCS 380-195193/22-A

Matrix: Water

Analysis Batch: 195228

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	60.2	55.0		ng/L		91	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	60.2	61.8		ng/L		103	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	60.2	63.4		ng/L		105	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	60.2	65.5		ng/L		109	70 - 130
Perfluorobutanesulfonic acid (PFBS)	60.2	64.7		ng/L		107	70 - 130
Perfluorodecanoic acid (PFDA)	60.2	62.2		ng/L		103	70 - 130
Perfluorododecanoic acid (PFDoA)	60.2	62.2		ng/L		103	70 - 130
Perfluoroheptanoic acid (PFHpA)	60.2	61.8		ng/L		103	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	60.2	62.2		ng/L		103	70 - 130
Perfluorohexanoic acid (PFHxA)	60.2	60.3		ng/L		100	70 - 130
Perfluorononanoic acid (PFNA)	60.2	60.8		ng/L		101	70 - 130
Perfluorooctanesulfonic acid (PFOS)	60.2	60.5		ng/L		100	70 - 130
Perfluorooctanoic acid (PFOA)	60.2	60.8		ng/L		101	70 - 130
Perfluoroundecanoic acid (PFUnA)	60.2	60.8		ng/L		101	70 - 130
Perfluorobutanoic acid (PFBA)	60.2	61.0		ng/L		101	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	60.2	64.1		ng/L		106	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	60.2	64.7		ng/L		107	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	60.2	64.6		ng/L		107	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	60.2	62.7		ng/L		104	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	60.2	60.7		ng/L		101	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	60.2	57.2		ng/L		95	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	60.2	56.3		ng/L		93	70 - 130
Perfluoropentanoic acid (PFPeA)	60.2	63.6		ng/L		106	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	60.2	63.1		ng/L		105	70 - 130

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-195193/22-A

Matrix: Water

Analysis Batch: 195228

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	60.2	61.3		ng/L		102	70 - 130
	LCS	LCS					
Isotope Dilution	%Recovery	Qualifier	Limits				
13C3 HFPO-DA	103		50 - 200				
13C6 PFDA	112		50 - 200				
13C5 PFHxA	112		50 - 200				
13C4 PFHpA	116		50 - 200				
13C8 PFOA	118		50 - 200				
13C9 PFNA	123		50 - 200				
13C7 PFUnA	111		50 - 200				
13C2 PFDoA	108		50 - 200				
13C4 PFBA	108		50 - 200				
13C5 PFPeA	107		50 - 200				
13C3 PFBS	113		50 - 200				
13C3 PFHxS	119		50 - 200				
13C8 PFOS	122		50 - 200				
13C2-4:2-FTS	165		50 - 200				
13C2-6:2-FTS	184		50 - 200				
13C2-8:2-FTS	126		50 - 200				

Lab Sample ID: MRL 380-195193/21-A

Matrix: Water

Analysis Batch: 195228

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195193

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.01	1.94	J	ng/L		96	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	2.01	2.13		ng/L		106	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.01	2.11		ng/L		105	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.01	1.93	J	ng/L		96	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.01	2.16		ng/L		107	50 - 150
Perfluorodecanoic acid (PFDA)	2.01	2.09		ng/L		104	50 - 150
Perfluorododecanoic acid (PFDoA)	2.01	2.17		ng/L		108	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.01	2.17		ng/L		108	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.01	2.08		ng/L		104	50 - 150
Perfluorohexanoic acid (PFHxA)	2.01	1.98	J	ng/L		98	50 - 150
Perfluorononanoic acid (PFNA)	2.01	2.03		ng/L		101	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.01	2.08		ng/L		104	50 - 150
Perfluorooctanoic acid (PFOA)	2.01	2.02		ng/L		100	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.01	2.13		ng/L		106	50 - 150
Perfluorobutanoic acid (PFBA)	2.01	2.07		ng/L		103	50 - 150

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MRL 380-195193/21-A

Matrix: Water

Analysis Batch: 195228

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195193

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.01	2.22		ng/L		110	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.01	2.20		ng/L		110	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.01	2.32		ng/L		116	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.01	2.26		ng/L		112	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	2.01	1.88	J	ng/L		94	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.01	1.83	J	ng/L		91	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.01	1.88	J	ng/L		94	50 - 150
Perfluoropentanoic acid (PFPeA)	2.01	2.07		ng/L		103	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.01	1.95	J	ng/L		97	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.01	2.05		ng/L		102	50 - 150

Isotope Dilution	MRL %Recovery	MRL Qualifier	MRL Limits
13C3 HFPO-DA	100		50 - 200
13C6 PFDA	105		50 - 200
13C5 PFHxA	106		50 - 200
13C4 PFHpA	107		50 - 200
13C8 PFOA	112		50 - 200
13C9 PFNA	110		50 - 200
13C7 PFUnA	102		50 - 200
13C2 PFDoA	104		50 - 200
13C4 PFBA	101		50 - 200
13C5 PFPeA	101		50 - 200
13C3 PFBS	97		50 - 200
13C3 PFHxS	98		50 - 200
13C8 PFOS	101		50 - 200
13C2-4:2-FTS	100		50 - 200
13C2-6:2-FTS	89		50 - 200
13C2-8:2-FTS	87		50 - 200

Lab Sample ID: MBL 380-195830/20-A

Matrix: Water

Analysis Batch: 195901

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 195830

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/05/26 16:03	01/06/26 09:28	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/05/26 16:03	01/06/26 09:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/05/26 16:03	01/06/26 09:28	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/05/26 16:03	01/06/26 09:28	1

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 380-195830/20-A

Matrix: Water

Analysis Batch: 195901

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 195830

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.43	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluorobutanoic acid (PFBA)	ND		2.0	0.69	ng/L		01/05/26 16:03	01/06/26 09:28	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/05/26 16:03	01/06/26 09:28	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/05/26 16:03	01/06/26 09:28	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/05/26 16:03	01/06/26 09:28	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/05/26 16:03	01/06/26 09:28	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/05/26 16:03	01/06/26 09:28	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	97		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C6 PFDA	98		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C5 PFHxA	103		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C4 PFHpA	101		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C8 PFOA	100		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C9 PFNA	103		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C7 PFUnA	101		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C2 PFDoA	102		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C4 PFBA	104		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C5 PFPeA	103		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C3 PFBS	109		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C3 PFHxS	105		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C8 PFOS	105		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C2-4:2-FTS	119		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C2-6:2-FTS	108		50 - 200	01/05/26 16:03	01/06/26 09:28	1
13C2-8:2-FTS	103		50 - 200	01/05/26 16:03	01/06/26 09:28	1

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-195830/22-A

Matrix: Water

Analysis Batch: 195901

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195830

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	60.1	50.0		ng/L		83	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9CI-PF3ONS)	60.1	50.9		ng/L		85	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	60.1	51.7		ng/L		86	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	60.1	55.2		ng/L		92	70 - 130
Perfluorobutanesulfonic acid (PFBS)	60.1	58.1		ng/L		97	70 - 130
Perfluorodecanoic acid (PFDA)	60.1	56.1		ng/L		93	70 - 130
Perfluorododecanoic acid (PFDoA)	60.1	53.5		ng/L		89	70 - 130
Perfluoroheptanoic acid (PFHpA)	60.1	52.2		ng/L		87	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	60.1	53.0		ng/L		88	70 - 130
Perfluorohexanoic acid (PFHxA)	60.1	55.2		ng/L		92	70 - 130
Perfluorononanoic acid (PFNA)	60.1	55.7		ng/L		93	70 - 130
Perfluorooctanesulfonic acid (PFOS)	60.1	54.1		ng/L		90	70 - 130
Perfluorooctanoic acid (PFOA)	60.1	53.6		ng/L		89	70 - 130
Perfluoroundecanoic acid (PFUnA)	60.1	56.5		ng/L		94	70 - 130
Perfluorobutanoic acid (PFBA)	60.1	55.2		ng/L		92	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	60.1	55.9		ng/L		93	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	60.1	55.3		ng/L		92	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	60.1	54.5		ng/L		91	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	60.1	58.0		ng/L		97	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	60.1	53.3		ng/L		89	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	60.1	56.2		ng/L		94	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	60.1	52.8		ng/L		88	70 - 130
Perfluoropentanoic acid (PFPeA)	60.1	56.0		ng/L		93	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	60.1	54.7		ng/L		91	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	60.1	54.7		ng/L		91	70 - 130

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C3 HFPO-DA	109		50 - 200
13C6 PFDA	106		50 - 200
13C5 PFHxA	110		50 - 200
13C4 PFHpA	114		50 - 200
13C8 PFOA	110		50 - 200
13C9 PFNA	106		50 - 200

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-195830/22-A

Matrix: Water

Analysis Batch: 195901

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195830

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C7 PFUnA	107		50 - 200
13C2 PFDoA	108		50 - 200
13C4 PFBA	107		50 - 200
13C5 PFPeA	106		50 - 200
13C3 PFBS	107		50 - 200
13C3 PFHxS	109		50 - 200
13C8 PFOS	109		50 - 200
13C2-4:2-FTS	116		50 - 200
13C2-6:2-FTS	110		50 - 200
13C2-8:2-FTS	105		50 - 200

Lab Sample ID: MRL 380-195830/21-A

Matrix: Water

Analysis Batch: 195901

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195830

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.00	1.75	J	ng/L		87	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	2.00	1.74	J	ng/L		87	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.00	1.88	J	ng/L		94	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.00	1.91	J	ng/L		96	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.00	1.91	J	ng/L		95	50 - 150
Perfluorodecanoic acid (PFDA)	2.00	1.91	J	ng/L		95	50 - 150
Perfluorododecanoic acid (PFDoA)	2.00	1.93	J	ng/L		97	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.00	1.92	J	ng/L		96	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.00	1.98	J	ng/L		99	50 - 150
Perfluorohexanoic acid (PFHxA)	2.00	2.07		ng/L		103	50 - 150
Perfluorononanoic acid (PFNA)	2.00	2.07		ng/L		103	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.00	1.91	J	ng/L		95	50 - 150
Perfluorooctanoic acid (PFOA)	2.00	1.96	J	ng/L		98	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.00	2.00		ng/L		100	50 - 150
Perfluorobutanoic acid (PFBA)	2.00	1.93	J	ng/L		96	50 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.00	2.08		ng/L		104	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.00	2.03		ng/L		102	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.00	2.06		ng/L		103	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.00	1.86	J	ng/L		93	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	2.00	1.82	J	ng/L		91	50 - 150

Eurofins Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MRL 380-195830/21-A

Matrix: Water

Analysis Batch: 195901

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195830

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.00	1.89	J	ng/L		94	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.00	1.94	J	ng/L		97	50 - 150
Perfluoropentanoic acid (PFPeA)	2.00	1.79	J	ng/L		89	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.00	1.85	J	ng/L		92	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.00	1.80	J	ng/L		90	50 - 150

Isotope Dilution	MRL %Recovery	MRL Qualifier	Limits
13C3 HFPO-DA	97		50 - 200
13C6 PFDA	100		50 - 200
13C5 PFHxA	104		50 - 200
13C4 PFHpA	104		50 - 200
13C8 PFOA	102		50 - 200
13C9 PFNA	100		50 - 200
13C7 PFUnA	98		50 - 200
13C2 PFDoA	102		50 - 200
13C4 PFBA	107		50 - 200
13C5 PFPeA	105		50 - 200
13C3 PFBS	107		50 - 200
13C3 PFHxS	107		50 - 200
13C8 PFOS	106		50 - 200
13C2-4:2-FTS	121		50 - 200
13C2-6:2-FTS	109		50 - 200
13C2-8:2-FTS	107		50 - 200

QC Association Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

LCMS

Prep Batch: 195193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189218-1	AER-1A_CVWD_30,000EBVS	Total/NA	Water	533	
380-189218-2	AER-1B_CVWD_30,000EBVS	Total/NA	Water	533	
380-189218-3	AER-3A_CVWD_30,000EBVS	Total/NA	Water	533	
380-189218-4	AER-3B_CVWD_30,000EBVS	Total/NA	Water	533	
380-189218-5	AER-1A_CVWD_60,000EBVS	Total/NA	Water	533	
380-189218-6	AER-1B_CVWD_60,000EBVS	Total/NA	Water	533	
380-189218-8	AER-3B_CVWD_60,000EBVS	Total/NA	Water	533	
MBL 380-195193/20-A	Method Blank	Total/NA	Water	533	
LCS 380-195193/22-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-195193/21-A	Lab Control Sample	Total/NA	Water	533	

Analysis Batch: 195228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189218-1	AER-1A_CVWD_30,000EBVS	Total/NA	Water	533	195193
380-189218-2	AER-1B_CVWD_30,000EBVS	Total/NA	Water	533	195193
380-189218-3	AER-3A_CVWD_30,000EBVS	Total/NA	Water	533	195193
380-189218-4	AER-3B_CVWD_30,000EBVS	Total/NA	Water	533	195193
380-189218-5	AER-1A_CVWD_60,000EBVS	Total/NA	Water	533	195193
380-189218-6	AER-1B_CVWD_60,000EBVS	Total/NA	Water	533	195193
MBL 380-195193/20-A	Method Blank	Total/NA	Water	533	195193
LCS 380-195193/22-A	Lab Control Sample	Total/NA	Water	533	195193
MRL 380-195193/21-A	Lab Control Sample	Total/NA	Water	533	195193

Analysis Batch: 195606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189218-8	AER-3B_CVWD_60,000EBVS	Total/NA	Water	533	195193

Prep Batch: 195830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189218-7	AER-3A_CVWD_60,000EBVS	Total/NA	Water	533	
MBL 380-195830/20-A	Method Blank	Total/NA	Water	533	
LCS 380-195830/22-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-195830/21-A	Lab Control Sample	Total/NA	Water	533	

Analysis Batch: 195901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189218-7	AER-3A_CVWD_60,000EBVS	Total/NA	Water	533	195830
MBL 380-195830/20-A	Method Blank	Total/NA	Water	533	195830
LCS 380-195830/22-A	Lab Control Sample	Total/NA	Water	533	195830
MRL 380-195830/21-A	Lab Control Sample	Total/NA	Water	533	195830

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-1A_CVWD_30,000EBVS

Lab Sample ID: 380-189218-1

Date Collected: 12/16/25 13:36

Matrix: Water

Date Received: 12/23/25 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195193	N8NE	EA POM	12/30/25 20:27
Total/NA	Analysis	533		1	195228	SZ9R	EA POM	12/31/25 12:04

Client Sample ID: AER-1B_CVWD_30,000EBVS

Lab Sample ID: 380-189218-2

Date Collected: 12/16/25 13:36

Matrix: Water

Date Received: 12/23/25 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195193	N8NE	EA POM	12/30/25 20:27
Total/NA	Analysis	533		1	195228	SZ9R	EA POM	12/31/25 12:14

Client Sample ID: AER-3A_CVWD_30,000EBVS

Lab Sample ID: 380-189218-3

Date Collected: 12/16/25 13:36

Matrix: Water

Date Received: 12/23/25 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195193	N8NE	EA POM	12/30/25 20:27
Total/NA	Analysis	533		1	195228	SZ9R	EA POM	12/31/25 12:23

Client Sample ID: AER-3B_CVWD_30,000EBVS

Lab Sample ID: 380-189218-4

Date Collected: 12/16/25 13:36

Matrix: Water

Date Received: 12/23/25 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195193	N8NE	EA POM	12/30/25 20:27
Total/NA	Analysis	533		1	195228	SZ9R	EA POM	12/31/25 12:33

Client Sample ID: AER-1A_CVWD_60,000EBVS

Lab Sample ID: 380-189218-5

Date Collected: 12/22/25 09:00

Matrix: Water

Date Received: 12/23/25 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195193	N8NE	EA POM	12/30/25 20:27
Total/NA	Analysis	533		1	195228	SZ9R	EA POM	12/31/25 12:42

Client Sample ID: AER-1B_CVWD_60,000EBVS

Lab Sample ID: 380-189218-6

Date Collected: 12/22/25 09:00

Matrix: Water

Date Received: 12/23/25 11:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195193	N8NE	EA POM	12/30/25 20:27
Total/NA	Analysis	533		1	195228	SZ9R	EA POM	12/31/25 12:52

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Client Sample ID: AER-3A_CVWD_60,000EBVS
Date Collected: 12/22/25 09:00
Date Received: 12/23/25 11:16

Lab Sample ID: 380-189218-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195830	E2HD	EA POM	01/05/26 16:03
Total/NA	Analysis	533		1	195901	SZ9R	EA POM	01/06/26 10:34

Client Sample ID: AER-3B_CVWD_60,000EBVS
Date Collected: 12/22/25 09:00
Date Received: 12/23/25 11:16

Lab Sample ID: 380-189218-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			195193	N8NE	EA POM	12/30/25 20:27
Total/NA	Analysis	533		1	195606	SZ9R	EA POM	01/02/26 19:36

Laboratory References:
EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Laboratory: Eurofins Pomona

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11320	04-01-26
Utah	NELAP	CA00006	01-31-27

1
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Method Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA POM
533	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	EA POM

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-189218-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-189218-1	AER-1A_CVWD_30,000EBVS	Water	12/16/25 13:36	12/23/25 11:16	Washington
380-189218-2	AER-1B_CVWD_30,000EBVS	Water	12/16/25 13:36	12/23/25 11:16	Washington
380-189218-3	AER-3A_CVWD_30,000EBVS	Water	12/16/25 13:36	12/23/25 11:16	Washington
380-189218-4	AER-3B_CVWD_30,000EBVS	Water	12/16/25 13:36	12/23/25 11:16	Washington
380-189218-5	AER-1A_CVWD_60,000EBVS	Water	12/22/25 09:00	12/23/25 11:16	Washington
380-189218-6	AER-1B_CVWD_60,000EBVS	Water	12/22/25 09:00	12/23/25 11:16	Washington
380-189218-7	AER-3A_CVWD_60,000EBVS	Water	12/22/25 09:00	12/23/25 11:16	Washington
380-189218-8	AER-3B_CVWD_60,000EBVS	Water	12/22/25 09:00	12/23/25 11:16	Washington

Login Sample Receipt Checklist

Client: CDM Smith Inc

Job Number: 380-189218-1

Login Number: 189218

List Number: 1

Creator: Del Rosario, Michael

List Source: Eurofins Pomona

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Sample Preservative Verified	True	
Container provided by EEA	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Julie Devon
CDM Smith Inc
14432 S.E. Eastgate Way
Suite 100
Bellevue, Washington 98007-6493

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JOB DESCRIPTION

Crescenta Valley RSSCT

JOB NUMBER

380-191942-1

Eurofins Pomona

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater West, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.
(DW, Water matrices)

Authorization



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Authorized for release by
Christine Novshadayan, Project Manager
Christine.Novshadayan@et.eurofinsus.com
(626)386-1100

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Definitions/Glossary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: CDM Smith Inc
Project: Crescenta Valley RSSCT

Job ID: 380-191942-1

Job ID: 380-191942-1

Eurofins Pomona

Job Narrative 380-191942-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 1/13/2026 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

PFAS

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

Eurofins Pomona

Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Client Sample ID: AER-1A-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	3.6		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	30		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.87	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.89	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-1B-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	3.8		2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	29		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.48	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.65	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-3A-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	1.6	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	22		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.96	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.89	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	29		2.0	0.38	ng/L	1		533	Total/NA

Client Sample ID: AER-3B-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	1.7	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	21		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.57	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	0.94	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	28		2.0	0.38	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Client Sample ID: AER-1A-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-1

Date Collected: 01/07/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/13/26 16:00	01/14/26 11:38	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/13/26 16:00	01/14/26 11:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/13/26 16:00	01/14/26 11:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluoroheptanoic acid (PFHpA)	3.6		2.0	0.39	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluorohexanoic acid (PFHxA)	30		2.0	0.46	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluorooctanesulfonic acid (PFOS)	0.87	J	2.0	0.43	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluorooctanoic acid (PFOA)	0.89	J	2.0	0.38	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/13/26 16:00	01/14/26 11:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/13/26 16:00	01/14/26 11:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/13/26 16:00	01/14/26 11:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/13/26 16:00	01/14/26 11:38	1
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/13/26 16:00	01/14/26 11:38	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/13/26 16:00	01/14/26 11:38	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	103		50 - 200				01/13/26 16:00	01/14/26 11:38	1
13C6 PFDA	111		50 - 200				01/13/26 16:00	01/14/26 11:38	1
13C5 PFHxA	107		50 - 200				01/13/26 16:00	01/14/26 11:38	1
13C4 PFHpA	110		50 - 200				01/13/26 16:00	01/14/26 11:38	1
13C8 PFOA	110		50 - 200				01/13/26 16:00	01/14/26 11:38	1
13C9 PFNA	112		50 - 200				01/13/26 16:00	01/14/26 11:38	1
13C7 PFUnA	111		50 - 200				01/13/26 16:00	01/14/26 11:38	1
13C2 PFDoA	115		50 - 200				01/13/26 16:00	01/14/26 11:38	1
13C4 PFBA	110		50 - 200				01/13/26 16:00	01/14/26 11:38	1
13C5 PFPeA	111		50 - 200				01/13/26 16:00	01/14/26 11:38	1
13C3 PFBS	113		50 - 200				01/13/26 16:00	01/14/26 11:38	1
13C3 PFHxS	110		50 - 200				01/13/26 16:00	01/14/26 11:38	1
13C8 PFOS	109		50 - 200				01/13/26 16:00	01/14/26 11:38	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Client Sample ID: AER-1A-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-1

Date Collected: 01/07/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-4:2-FTS	142		50 - 200	01/13/26 16:00	01/14/26 11:38	1
13C2-6:2-FTS	123		50 - 200	01/13/26 16:00	01/14/26 11:38	1
13C2-8:2-FTS	118		50 - 200	01/13/26 16:00	01/14/26 11:38	1

Client Sample ID: AER-1B-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-2

Date Collected: 01/07/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/13/26 16:00	01/14/26 11:48	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/13/26 16:00	01/14/26 11:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/13/26 16:00	01/14/26 11:48	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluoroheptanoic acid (PFHpA)	3.8		2.0	0.39	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluorohexanoic acid (PFHxA)	29		2.0	0.46	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluorooctanesulfonic acid (PFOS)	0.48	J	2.0	0.43	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluorooctanoic acid (PFOA)	0.65	J	2.0	0.38	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluorobutanoic acid (PFBA)	11		2.0	0.69	ng/L		01/13/26 16:00	01/14/26 11:48	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/13/26 16:00	01/14/26 11:48	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/13/26 16:00	01/14/26 11:48	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/13/26 16:00	01/14/26 11:48	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluoropentanoic acid (PFPeA)	27		2.0	0.38	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/13/26 16:00	01/14/26 11:48	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/13/26 16:00	01/14/26 11:48	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	97		50 - 200				01/13/26 16:00	01/14/26 11:48	1
13C6 PFDA	105		50 - 200				01/13/26 16:00	01/14/26 11:48	1
13C5 PFHxA	103		50 - 200				01/13/26 16:00	01/14/26 11:48	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Client Sample ID: AER-1B-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-2

Date Collected: 01/07/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	103		50 - 200	01/13/26 16:00	01/14/26 11:48	1
13C8 PFOA	107		50 - 200	01/13/26 16:00	01/14/26 11:48	1
13C9 PFNA	106		50 - 200	01/13/26 16:00	01/14/26 11:48	1
13C7 PFUnA	107		50 - 200	01/13/26 16:00	01/14/26 11:48	1
13C2 PFDoA	110		50 - 200	01/13/26 16:00	01/14/26 11:48	1
13C4 PFBA	107		50 - 200	01/13/26 16:00	01/14/26 11:48	1
13C5 PFPeA	105		50 - 200	01/13/26 16:00	01/14/26 11:48	1
13C3 PFBS	108		50 - 200	01/13/26 16:00	01/14/26 11:48	1
13C3 PFHxS	111		50 - 200	01/13/26 16:00	01/14/26 11:48	1
13C8 PFOS	112		50 - 200	01/13/26 16:00	01/14/26 11:48	1
13C2-4:2-FTS	135		50 - 200	01/13/26 16:00	01/14/26 11:48	1
13C2-6:2-FTS	122		50 - 200	01/13/26 16:00	01/14/26 11:48	1
13C2-8:2-FTS	117		50 - 200	01/13/26 16:00	01/14/26 11:48	1

Client Sample ID: AER-3A-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-3

Date Collected: 01/07/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/13/26 16:00	01/14/26 11:10	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/13/26 16:00	01/14/26 11:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/13/26 16:00	01/14/26 11:10	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluoroheptanoic acid (PFHpA)	1.6	J	2.0	0.39	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluorohexanoic acid (PFHxA)	22		2.0	0.46	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluorooctanesulfonic acid (PFOS)	0.96	J	2.0	0.43	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluorooctanoic acid (PFOA)	0.89	J	2.0	0.38	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/13/26 16:00	01/14/26 11:10	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/13/26 16:00	01/14/26 11:10	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/13/26 16:00	01/14/26 11:10	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/13/26 16:00	01/14/26 11:10	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/13/26 16:00	01/14/26 11:10	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Client Sample ID: AER-3A-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-3

Date Collected: 01/07/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluoropentanoic acid (PFPeA)	29		2.0	0.38	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/13/26 16:00	01/14/26 11:10	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/13/26 16:00	01/14/26 11:10	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	107		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C6 PFDA	112		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C5 PFHxA	115		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C4 PFHpA	116		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C8 PFOA	119		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C9 PFNA	120		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C7 PFUnA	107		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C2 PFDoA	110		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C4 PFBA	119		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C5 PFPeA	122		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C3 PFBS	129		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C3 PFHxS	128		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C8 PFOS	117		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C2-4:2-FTS	162		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C2-6:2-FTS	140		50 - 200				01/13/26 16:00	01/14/26 11:10	1
13C2-8:2-FTS	129		50 - 200				01/13/26 16:00	01/14/26 11:10	1

Client Sample ID: AER-3B-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-4

Date Collected: 01/07/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/13/26 16:00	01/14/26 11:19	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/13/26 16:00	01/14/26 11:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/13/26 16:00	01/14/26 11:19	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluoroheptanoic acid (PFHpA)	1.7 J		2.0	0.39	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluorohexanoic acid (PFHxA)	21		2.0	0.46	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluorooctanesulfonic acid (PFOS)	0.57 J		2.0	0.43	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluorooctanoic acid (PFOA)	0.94 J		2.0	0.38	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/13/26 16:00	01/14/26 11:19	1

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Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Client Sample ID: AER-3B-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-4

Date Collected: 01/07/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/13/26 16:00	01/14/26 11:19	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/13/26 16:00	01/14/26 11:19	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/13/26 16:00	01/14/26 11:19	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluoropentanoic acid (PFPeA)	28		2.0	0.38	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/13/26 16:00	01/14/26 11:19	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/13/26 16:00	01/14/26 11:19	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	82		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C6 PFDA	79		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C5 PFHxA	90		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C4 PFHpA	94		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C8 PFOA	86		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C9 PFNA	84		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C7 PFUnA	77		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C2 PFDoA	82		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C4 PFBA	94		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C5 PFPeA	94		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C3 PFBS	116		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C3 PFHxS	116		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C8 PFOS	109		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C2-4:2-FTS	156		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C2-6:2-FTS	134		50 - 200				01/13/26 16:00	01/14/26 11:19	1
13C2-8:2-FTS	125		50 - 200				01/13/26 16:00	01/14/26 11:19	1

Isotope Dilution Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFDoA (50-200)
380-191942-1	AER-1A-CVWD_150,000 EBVs	103	111	107	110	110	112	111	115
380-191942-2	AER-1B-CVWD_150,000 EBVs	97	105	103	103	107	106	107	110
380-191942-3	AER-3A-CVWD_150,000 EBVs	107	112	115	116	119	120	107	110
380-191942-4	AER-3B-CVWD_150,000 EBVs	82	79	90	94	86	84	77	82
LCS 380-197518/22-A	Lab Control Sample	106	112	115	116	110	114	111	114
MBL 380-197518/20-A	Method Blank	108	119	118	116	117	118	119	117
MRL 380-197518/21-A	Lab Control Sample	104	113	109	112	115	113	114	111

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (50-200)	PFPeA (50-200)	C3PFBS (50-200)	C3PFHS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)
380-191942-1	AER-1A-CVWD_150,000 EBVs	110	111	113	110	109	142	123	118
380-191942-2	AER-1B-CVWD_150,000 EBVs	107	105	108	111	112	135	122	117
380-191942-3	AER-3A-CVWD_150,000 EBVs	119	122	129	128	117	162	140	129
380-191942-4	AER-3B-CVWD_150,000 EBVs	94	94	116	116	109	156	134	125
LCS 380-197518/22-A	Lab Control Sample	110	111	112	113	112	128	118	108
MBL 380-197518/20-A	Method Blank	116	115	121	117	118	127	118	121
MRL 380-197518/21-A	Lab Control Sample	107	103	110	108	110	117	109	111

Surrogate Legend

HFPODA = 13C3 HFPO-DA
C6PFDA = 13C6 PFDA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
13C7PUA = 13C7 PFUnA
PFDoA = 13C2 PFDoA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
42FTS = 13C2-4:2-FTS
62FTS = 13C2-6:2-FTS
82FTS = 13C2-8:2-FTS

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Lab Sample ID: MBL 380-197518/20-A

Matrix: Water

Analysis Batch: 197681

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 197518

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/13/26 16:00	01/14/26 08:01	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/13/26 16:00	01/14/26 08:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/13/26 16:00	01/14/26 08:01	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.43	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluorobutanoic acid (PFBA)	ND		2.0	0.69	ng/L		01/13/26 16:00	01/14/26 08:01	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/13/26 16:00	01/14/26 08:01	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/13/26 16:00	01/14/26 08:01	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/13/26 16:00	01/14/26 08:01	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/13/26 16:00	01/14/26 08:01	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/13/26 16:00	01/14/26 08:01	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	108		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C6 PFDA	119		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C5 PFHxA	118		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C4 PFHpA	116		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C8 PFOA	117		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C9 PFNA	118		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C7 PFUnA	119		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C2 PFDoA	117		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C4 PFBA	116		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C5 PFPeA	115		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C3 PFBS	121		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C3 PFHxS	117		50 - 200	01/13/26 16:00	01/14/26 08:01	1

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 380-197518/20-A

Matrix: Water

Analysis Batch: 197681

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 197518

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	118		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C2-4:2-FTS	127		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C2-6:2-FTS	118		50 - 200	01/13/26 16:00	01/14/26 08:01	1
13C2-8:2-FTS	121		50 - 200	01/13/26 16:00	01/14/26 08:01	1

Lab Sample ID: LCS 380-197518/22-A

Matrix: Water

Analysis Batch: 197681

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 197518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	60.4	51.7		ng/L		86	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	60.4	52.5		ng/L		87	70 - 130
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	60.4	55.6		ng/L		92	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	60.4	59.6		ng/L		99	70 - 130
Perfluorobutanesulfonic acid (PFBS)	60.4	55.7		ng/L		92	70 - 130
Perfluorodecanoic acid (PFDA)	60.4	57.6		ng/L		95	70 - 130
Perfluorododecanoic acid (PFDoA)	60.4	56.6		ng/L		94	70 - 130
Perfluoroheptanoic acid (PFHpA)	60.4	55.0		ng/L		91	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	60.4	53.7		ng/L		89	70 - 130
Perfluorohexanoic acid (PFHxA)	60.4	56.1		ng/L		93	70 - 130
Perfluorononanoic acid (PFNA)	60.4	57.0		ng/L		95	70 - 130
Perfluorooctanesulfonic acid (PFOS)	60.4	55.5		ng/L		92	70 - 130
Perfluorooctanoic acid (PFOA)	60.4	59.1		ng/L		98	70 - 130
Perfluoroundecanoic acid (PFUnA)	60.4	57.0		ng/L		94	70 - 130
Perfluorobutanoic acid (PFBA)	60.4	57.7		ng/L		96	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	60.4	58.2		ng/L		96	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	60.4	58.5		ng/L		97	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	60.4	57.6		ng/L		95	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	60.4	55.4		ng/L		92	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	60.4	53.0		ng/L		88	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	60.4	55.0		ng/L		91	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	60.4	55.9		ng/L		93	70 - 130
Perfluoropentanoic acid (PFPeA)	60.4	56.2		ng/L		93	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	60.4	56.0		ng/L		93	70 - 130

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-197518/22-A

Matrix: Water

Analysis Batch: 197681

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 197518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	60.4	55.9		ng/L		93	70 - 130
	LCS	LCS					
Isotope Dilution	%Recovery	Qualifier	Limits				
13C3 HFPO-DA	106		50 - 200				
13C6 PFDA	112		50 - 200				
13C5 PFHxA	115		50 - 200				
13C4 PFHpA	116		50 - 200				
13C8 PFOA	110		50 - 200				
13C9 PFNA	114		50 - 200				
13C7 PFUnA	111		50 - 200				
13C2 PFDoA	114		50 - 200				
13C4 PFBA	110		50 - 200				
13C5 PFPeA	111		50 - 200				
13C3 PFBS	112		50 - 200				
13C3 PFHxS	113		50 - 200				
13C8 PFOS	112		50 - 200				
13C2-4:2-FTS	128		50 - 200				
13C2-6:2-FTS	118		50 - 200				
13C2-8:2-FTS	108		50 - 200				

Lab Sample ID: MRL 380-197518/21-A

Matrix: Water

Analysis Batch: 197681

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 197518

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.01	1.87	J	ng/L		93	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	2.01	1.91	J	ng/L		95	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.01	2.01		ng/L		100	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.01	2.21		ng/L		110	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.01	2.04		ng/L		102	50 - 150
Perfluorodecanoic acid (PFDA)	2.01	2.08		ng/L		104	50 - 150
Perfluorododecanoic acid (PFDoA)	2.01	2.10		ng/L		105	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.01	2.11		ng/L		105	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.01	2.10		ng/L		105	50 - 150
Perfluorohexanoic acid (PFHxA)	2.01	2.08		ng/L		104	50 - 150
Perfluorononanoic acid (PFNA)	2.01	2.03		ng/L		101	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.01	2.12		ng/L		106	50 - 150
Perfluorooctanoic acid (PFOA)	2.01	2.02		ng/L		101	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.01	2.11		ng/L		105	50 - 150
Perfluorobutanoic acid (PFBA)	2.01	2.06		ng/L		102	50 - 150

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QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MRL 380-197518/21-A

Matrix: Water

Analysis Batch: 197681

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 197518

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.01	2.17		ng/L		108	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.01	2.15		ng/L		107	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.01	2.35		ng/L		117	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.01	2.25		ng/L		112	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.01	1.99	J	ng/L		99	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.01	1.92	J	ng/L		95	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.01	2.00		ng/L		100	50 - 150
Perfluoropentanoic acid (PFPeA)	2.01	2.09		ng/L		104	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.01	1.93	J	ng/L		96	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.01	2.00		ng/L		100	50 - 150

Isotope Dilution	MRL %Recovery	MRL Qualifier	MRL Limits
13C3 HFPO-DA	104		50 - 200
13C6 PFDA	113		50 - 200
13C5 PFHxA	109		50 - 200
13C4 PFHpA	112		50 - 200
13C8 PFOA	115		50 - 200
13C9 PFNA	113		50 - 200
13C7 PFUnA	114		50 - 200
13C2 PFDoA	111		50 - 200
13C4 PFBA	107		50 - 200
13C5 PFPeA	103		50 - 200
13C3 PFBS	110		50 - 200
13C3 PFHxS	108		50 - 200
13C8 PFOS	110		50 - 200
13C2-4:2-FTS	117		50 - 200
13C2-6:2-FTS	109		50 - 200
13C2-8:2-FTS	111		50 - 200

QC Association Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

LCMS

Prep Batch: 197518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-191942-1	AER-1A-CVWD_150,000 EBVs	Total/NA	Water	533	
380-191942-2	AER-1B-CVWD_150,000 EBVs	Total/NA	Water	533	
380-191942-3	AER-3A-CVWD_150,000 EBVs	Total/NA	Water	533	
380-191942-4	AER-3B-CVWD_150,000 EBVs	Total/NA	Water	533	
MBL 380-197518/20-A	Method Blank	Total/NA	Water	533	
LCS 380-197518/22-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-197518/21-A	Lab Control Sample	Total/NA	Water	533	

Analysis Batch: 197681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-191942-1	AER-1A-CVWD_150,000 EBVs	Total/NA	Water	533	197518
380-191942-2	AER-1B-CVWD_150,000 EBVs	Total/NA	Water	533	197518
380-191942-3	AER-3A-CVWD_150,000 EBVs	Total/NA	Water	533	197518
380-191942-4	AER-3B-CVWD_150,000 EBVs	Total/NA	Water	533	197518
MBL 380-197518/20-A	Method Blank	Total/NA	Water	533	197518
LCS 380-197518/22-A	Lab Control Sample	Total/NA	Water	533	197518
MRL 380-197518/21-A	Lab Control Sample	Total/NA	Water	533	197518

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Client Sample ID: AER-1A-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-1

Date Collected: 01/07/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			197518	E2HD	EA POM	01/13/26 16:00
Total/NA	Analysis	533		1	197681	SZ9R	EA POM	01/14/26 11:38

Client Sample ID: AER-1B-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-2

Date Collected: 01/07/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			197518	E2HD	EA POM	01/13/26 16:00
Total/NA	Analysis	533		1	197681	SZ9R	EA POM	01/14/26 11:48

Client Sample ID: AER-3A-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-3

Date Collected: 01/07/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			197518	E2HD	EA POM	01/13/26 16:00
Total/NA	Analysis	533		1	197681	SZ9R	EA POM	01/14/26 11:10

Client Sample ID: AER-3B-CVWD_150,000 EBVs

Lab Sample ID: 380-191942-4

Date Collected: 01/07/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			197518	E2HD	EA POM	01/13/26 16:00
Total/NA	Analysis	533		1	197681	SZ9R	EA POM	01/14/26 11:19

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Laboratory: Eurofins Pomona

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11320	04-01-26
Utah	NELAP	CA00006	01-31-27

1
2
3
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15

Method Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA POM
533	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	EA POM

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191942-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-191942-1	AER-1A-CVWD_150,000 EBVs	Water	01/07/26 11:43	01/13/26 10:20	Washington
380-191942-2	AER-1B-CVWD_150,000 EBVs	Water	01/07/26 11:43	01/13/26 10:20	Washington
380-191942-3	AER-3A-CVWD_150,000 EBVs	Water	01/07/26 11:43	01/13/26 10:20	Washington
380-191942-4	AER-3B-CVWD_150,000 EBVs	Water	01/07/26 11:43	01/13/26 10:20	Washington

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Chain of Custody Record

Client Information		Sampler	Lab P/N	Center Tracking Note	COC No.								
EZ MW		Novshadayan Christina	792098822888	380-92415-24232.1									
Paul Ho		Christine Novshadayan@et.eurofins.com	WA	Page 1 of 1									
CDM Smith Inc				Job #									
Address:		Due Date Requested:											
14432 S.E. Eastgate Way Suite 100		TAT Requested (days):											
City:		Rush TAT											
State, Zip:		Compliance Project: ☐ Yes ☒ No											
W/A, 98007-5493		PO #:											
Phone:		127679											
425-519-8314(Tel)		WO #:											
Email:		hoco@cdsmith.com											
Project Name:		310348											
Crescenta Valley RSSCT		SSOW#:											
Site:													
Sample Identification		Sample Date	Sample Time	Sample Type (C=come, G=grab)	Matrix	Field Filled Sample (Yes or No)	Perform MS/MSD (Yes or No)	633 All Analyses	Analysis Requested		Preservation Codes:	Special Instructions/Note	
AER-1A-CVWD_150,000 EBVs	1/7/26	11:43	G	W		☒	☒	☒			NH4 Acetate		
AER-1B-CVWD_150,000 EBVs	1/7/26	11:43	G	W		☒	☒	☒					
AER-3A-CVWD_150,000 EBVs	1/7/26	11:43	G	W		☒	☒	☒					
AER-3B-CVWD_150,000 EBVs	1/7/26	11:43	G	W		☒	☒	☒					
Total Number of containers													
Other													
Special Instructions/Note													
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months													
Special Instructions/OC Requirements:													
F-792098822888													
Method of Shipment: Fedex Priority Overnight													
Received by:													
Company: CDM Smith													
Date/Time: 1/13/26 10:20													
Received by:													
Company:													
Date/Time:													
Received by:													
Company:													
Date/Time:													
Cooler Temperature(s) °C and Other Remarks:													
60°F-12-9 = 2-9 11°C													
Custody Seal No.													
Δ Yes Δ No													

Login Sample Receipt Checklist

Client: CDM Smith Inc

Job Number: 380-191942-1

Login Number: 191942

List Number: 1

Creator: Segura, Ryan

List Source: Eurofins Pomona

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Sample Preservative Verified	True	
Container provided by EEA	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Julie Devon
CDM Smith Inc
14432 S.E. Eastgate Way
Suite 100
Bellevue, Washington 98007-6493

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JOB DESCRIPTION

Crescenta Valley RSSCT

JOB NUMBER

380-191940-1

Eurofins Pomona

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater West, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.
(DW, Water matrices)

Authorization



Authorized for release by
Christine Novshadayan, Project Manager
Christine.Novshadayan@et.eurofinsus.com
(626)386-1100

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Definitions/Glossary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: CDM Smith Inc
Project: Crescenta Valley RSSCT

Job ID: 380-191940-1

Job ID: 380-191940-1

Eurofins Pomona

Job Narrative 380-191940-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 1/13/2026 10:20 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

PFAS

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

Eurofins Pomona

Detection Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

Client Sample ID: AER-2B-CVWD_90,000 EBVs

Lab Sample ID: 380-191940-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	1.8	J	2.0	0.39	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	25		2.0	0.46	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.84	J	2.0	0.43	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	1.3	J	2.0	0.38	ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	28		2.0	0.38	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

Client Sample ID: AER-2B-CVWD_90,000 EBVs

Lab Sample ID: 380-191940-1

Date Collected: 01/08/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.30	ng/L		01/14/26 07:03	01/15/26 09:42	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9CI-PF3ONS)	ND		2.0	0.30	ng/L		01/14/26 07:03	01/15/26 09:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/14/26 07:03	01/15/26 09:42	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluoroheptanoic acid (PFHpA)	1.8	J	2.0	0.39	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluorohexanoic acid (PFHxA)	25		2.0	0.46	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluorooctanesulfonic acid (PFOS)	0.84	J	2.0	0.43	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluorooctanoic acid (PFOA)	1.3	J	2.0	0.38	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluorobutanoic acid (PFBA)	12		2.0	0.69	ng/L		01/14/26 07:03	01/15/26 09:42	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/14/26 07:03	01/15/26 09:42	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/14/26 07:03	01/15/26 09:42	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/14/26 07:03	01/15/26 09:42	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		2.0	0.25	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluoropentanoic acid (PFPeA)	28		2.0	0.38	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/14/26 07:03	01/15/26 09:42	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/14/26 07:03	01/15/26 09:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	94		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C6 PFDA	101		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C5 PFHxA	99		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C4 PFHpA	101		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C8 PFOA	102		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C9 PFNA	102		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C7 PFUnA	101		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C2 PFDoA	104		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C4 PFBA	103		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C5 PFPeA	104		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C3 PFBS	106		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C3 PFHxS	102		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C8 PFOS	100		50 - 200	01/14/26 07:03	01/15/26 09:42	1

Eurofins Pomona

Client Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

Client Sample ID: AER-2B-CVWD_90,000 EBVs

Lab Sample ID: 380-191940-1

Date Collected: 01/08/26 11:43

Matrix: Water

Date Received: 01/13/26 10:20

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2-4:2-FTS	128		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C2-6:2-FTS	109		50 - 200	01/14/26 07:03	01/15/26 09:42	1
13C2-8:2-FTS	112		50 - 200	01/14/26 07:03	01/15/26 09:42	1

Isotope Dilution Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFD _o A (50-200)
380-191940-1	AER-2B-CVWD_90,000 EBVs	94	101	99	101	102	102	101	104
LCS 380-197679/22-A	Lab Control Sample	91	103	103	96	99	100	104	105
MBL 380-197679/20-A	Method Blank	78	94	94	94	96	97	94	96
MRL 380-197679/21-A	Lab Control Sample	79	94	95	93	95	94	95	100

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (50-200)	PFPeA (50-200)	C3PFBS (50-200)	C3PFHS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)
380-191940-1	AER-2B-CVWD_90,000 EBVs	103	104	106	102	100	128	109	112
LCS 380-197679/22-A	Lab Control Sample	99	102	106	105	103	107	100	100
MBL 380-197679/20-A	Method Blank	98	93	98	97	97	104	96	99
MRL 380-197679/21-A	Lab Control Sample	98	96	105	104	105	114	107	107

Surrogate Legend

HFPODA = 13C3 HFPO-DA
C6PFDA = 13C6 PFDA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
13C7PUA = 13C7 PFUnA
PFD_oA = 13C2 PFD_oA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
42FTS = 13C2-4:2-FTS
62FTS = 13C2-6:2-FTS
82FTS = 13C2-8:2-FTS

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Lab Sample ID: MBL 380-197679/20-A

Matrix: Water

Analysis Batch: 197948

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 197679

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.30	ng/L		01/14/26 07:03	01/15/26 07:39	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	0.30	ng/L		01/14/26 07:03	01/15/26 07:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.60	ng/L		01/14/26 07:03	01/15/26 07:39	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ND		2.0	1.0	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.37	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.39	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.32	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.46	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.40	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.43	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.38	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.42	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluorobutanoic acid (PFBA)	ND		2.0	0.69	ng/L		01/14/26 07:03	01/15/26 07:39	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.38	ng/L		01/14/26 07:03	01/15/26 07:39	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.37	ng/L		01/14/26 07:03	01/15/26 07:39	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	0.48	ng/L		01/14/26 07:03	01/15/26 07:39	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.47	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.25	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.46	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.15	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.38	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.36	ng/L		01/14/26 07:03	01/15/26 07:39	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.39	ng/L		01/14/26 07:03	01/15/26 07:39	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	78		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C6 PFDA	94		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C5 PFHxA	94		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C4 PFHpA	94		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C8 PFOA	96		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C9 PFNA	97		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C7 PFUnA	94		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C2 PFDoA	96		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C4 PFBA	98		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C5 PFPeA	93		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C3 PFBS	98		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C3 PFHxS	97		50 - 200	01/14/26 07:03	01/15/26 07:39	1

Eurofins Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 380-197679/20-A

Matrix: Water

Analysis Batch: 197948

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 197679

Isotope Dilution	MBL MBL		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C8 PFOS	97		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C2-4:2-FTS	104		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C2-6:2-FTS	96		50 - 200	01/14/26 07:03	01/15/26 07:39	1
13C2-8:2-FTS	99		50 - 200	01/14/26 07:03	01/15/26 07:39	1

Lab Sample ID: LCS 380-197679/22-A

Matrix: Water

Analysis Batch: 197948

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 197679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	120	110		ng/L		91	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	120	110		ng/L		91	70 - 130
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	120	116		ng/L		96	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	120	123		ng/L		102	70 - 130
Perfluorobutanesulfonic acid (PFBS)	120	112		ng/L		93	70 - 130
Perfluorodecanoic acid (PFDA)	120	116		ng/L		96	70 - 130
Perfluorododecanoic acid (PFDaA)	120	112		ng/L		93	70 - 130
Perfluoroheptanoic acid (PFHpA)	120	117		ng/L		97	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	120	112		ng/L		93	70 - 130
Perfluorohexanoic acid (PFHxA)	120	116		ng/L		96	70 - 130
Perfluorononanoic acid (PFNA)	120	116		ng/L		96	70 - 130
Perfluorooctanesulfonic acid (PFOS)	120	117		ng/L		97	70 - 130
Perfluorooctanoic acid (PFOA)	120	117		ng/L		97	70 - 130
Perfluoroundecanoic acid (PFUnA)	120	114		ng/L		95	70 - 130
Perfluorobutanoic acid (PFBA)	120	117		ng/L		97	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	120	117		ng/L		97	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	120	115		ng/L		95	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120	114		ng/L		95	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	120	104		ng/L		87	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	120	112		ng/L		93	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	120	107		ng/L		89	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	120	113		ng/L		94	70 - 130
Perfluoropentanoic acid (PFPeA)	120	112		ng/L		93	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	120	115		ng/L		95	70 - 130

Eurofins Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 380-197679/22-A

Matrix: Water

Analysis Batch: 197948

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 197679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	120	113		ng/L		94	70 - 130
	LCS	LCS					
Isotope Dilution	%Recovery	Qualifier	Limits				
13C3 HFPO-DA	91		50 - 200				
13C6 PFDA	103		50 - 200				
13C5 PFHxA	103		50 - 200				
13C4 PFHpA	96		50 - 200				
13C8 PFOA	99		50 - 200				
13C9 PFNA	100		50 - 200				
13C7 PFUnA	104		50 - 200				
13C2 PFDoA	105		50 - 200				
13C4 PFBA	99		50 - 200				
13C5 PFPeA	102		50 - 200				
13C3 PFBS	106		50 - 200				
13C3 PFHxS	105		50 - 200				
13C8 PFOS	103		50 - 200				
13C2-4:2-FTS	107		50 - 200				
13C2-6:2-FTS	100		50 - 200				
13C2-8:2-FTS	100		50 - 200				

Lab Sample ID: MRL 380-197679/21-A

Matrix: Water

Analysis Batch: 197948

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 197679

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.01	2.02		ng/L		100	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	2.01	2.00		ng/L		99	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.01	2.15		ng/L		107	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.01	2.20		ng/L		109	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.01	2.17		ng/L		108	50 - 150
Perfluorodecanoic acid (PFDA)	2.01	2.26		ng/L		112	50 - 150
Perfluorododecanoic acid (PFDoA)	2.01	2.04		ng/L		101	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.01	2.19		ng/L		109	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.01	2.19		ng/L		109	50 - 150
Perfluorohexanoic acid (PFHxA)	2.01	2.29		ng/L		114	50 - 150
Perfluorononanoic acid (PFNA)	2.01	2.22		ng/L		110	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.01	2.09		ng/L		104	50 - 150
Perfluorooctanoic acid (PFOA)	2.01	2.36		ng/L		118	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.01	2.13		ng/L		106	50 - 150
Perfluorobutanoic acid (PFBA)	2.01	2.28		ng/L		113	50 - 150

Eurofins Pomona

QC Sample Results

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MRL 380-197679/21-A

Matrix: Water

Analysis Batch: 197948

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 197679

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.01	2.21		ng/L		110	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.01	2.18		ng/L		108	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.01	2.45		ng/L		122	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.01	2.08		ng/L		103	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.01	2.07		ng/L		103	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.01	1.92	J	ng/L		96	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.01	1.94	J	ng/L		97	50 - 150
Perfluoropentanoic acid (PFPeA)	2.01	2.19		ng/L		109	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.01	2.05		ng/L		102	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.01	2.19		ng/L		109	50 - 150

Isotope Dilution	MRL %Recovery	MRL Qualifier	MRL Limits
13C3 HFPO-DA	79		50 - 200
13C6 PFDA	94		50 - 200
13C5 PFHxA	95		50 - 200
13C4 PFHpA	93		50 - 200
13C8 PFOA	95		50 - 200
13C9 PFNA	94		50 - 200
13C7 PFUnA	95		50 - 200
13C2 PFDoA	100		50 - 200
13C4 PFBA	98		50 - 200
13C5 PFPeA	96		50 - 200
13C3 PFBS	105		50 - 200
13C3 PFHxS	104		50 - 200
13C8 PFOS	105		50 - 200
13C2-4:2-FTS	114		50 - 200
13C2-6:2-FTS	107		50 - 200
13C2-8:2-FTS	107		50 - 200

QC Association Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

LCMS

Prep Batch: 197679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-191940-1	AER-2B-CVWD_90,000 EBVs	Total/NA	Water	533	
MBL 380-197679/20-A	Method Blank	Total/NA	Water	533	
LCS 380-197679/22-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-197679/21-A	Lab Control Sample	Total/NA	Water	533	

Analysis Batch: 197948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-191940-1	AER-2B-CVWD_90,000 EBVs	Total/NA	Water	533	197679
MBL 380-197679/20-A	Method Blank	Total/NA	Water	533	197679
LCS 380-197679/22-A	Lab Control Sample	Total/NA	Water	533	197679
MRL 380-197679/21-A	Lab Control Sample	Total/NA	Water	533	197679

Lab Chronicle

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

Client Sample ID: AER-2B-CVWD_90,000 EBVs
Date Collected: 01/08/26 11:43
Date Received: 01/13/26 10:20

Lab Sample ID: 380-191940-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			197679	XTD8	EA POM	01/14/26 07:03
Total/NA	Analysis	533		1	197948	SZ9R	EA POM	01/15/26 09:42

Laboratory References:
EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

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Accreditation/Certification Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

Laboratory: Eurofins Pomona

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11320	04-01-26
Utah	NELAP	CA00006	01-31-27

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Method Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA POM
533	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	EA POM

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

Client: CDM Smith Inc
Project/Site: Crescenta Valley RSSCT

Job ID: 380-191940-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-191940-1	AER-2B-CVWD_90,000 EBVs	Water	01/08/26 11:43	01/13/26 10:20	Washington

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Chain of Custody Record



Environment Testing

Phone (626) 386-1100 Client Information Client Contact: Paul Ho Company CDM Smith Inc		Lab Fax: Novshadayan, Christine E-Mail: Christine.Novshadayan@etlunofinsus.com		Carrier Tracking No(s): 380-82416-24232.1 Page: Page 1 of 1 Job #:		COC No: 380-82416-24232.1	
Due Date Requested: 14432 S.E. Eastgate Way Suite 100 City Bellevue State, Zip: WA, 98007-8493 Phone: 425-519-8314(Tel) Email: hope@cdmsmith.com Project Name: Crescenta Valley RSSCT Site:		TAT Requested (days): Standard TAT Compliance Project: ☐ Yes ☐ No PO #: 127679 WO #: Project #: 310348 SSOW#:		Analysis Requested		Preservation Codes: 1. NHD Acetate Other:	
Sample Identification AER-2B-CVWD_30 000 EBV's		Sample Date 1/8/26		Sample Time 11:43		Sample Type (C=comp, G=grab) G	
Matrix W		Preservation Code: W		Field Filtered Sample (Yes or No) ☒		Perform M/M/S/D (Yes or No) ☒	
633 All Analyses ☒		Total Number of Containers 2		Special Instructions/Notes:		Special Instructions/Notes:	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested I II III IV Other (specify) II							
Returned by: Relinquished by: Relinquished by:		Date/Time: Date/Time: Date/Time:		Company CDM Smith Company Company Company		Method of Shipment: FedEx Priority Overnight Date/Time: 1/13/26 10:20 Date/Time: Date/Time:	
A. Yes A. No Custody Seal No		A. Yes A. No Custody Seal No		A. Yes A. No Custody Seal No		A. Yes A. No Custody Seal No	



380-191940 COC

9882 2988

05/06/2024

6-9-2-9 110

Login Sample Receipt Checklist

Client: CDM Smith Inc

Job Number: 380-191940-1

Login Number: 191940

List Number: 1

Creator: Segura, Ryan

List Source: Eurofins Pomona

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Sample Preservative Verified	True	
Container provided by EEA	True	



Attachment 2–Treatment Media Specifications



Product Data Sheet

AmberLite™ PSR2 Plus Ion Exchange Resin

Drinking Water-grade, Uniform Particle Size, Gel, Strong Base Anion Resin for Selective Perchlorate Removal

Description

AmberLite™ PSR2 Plus Ion Exchange Resin is a strong base anion exchange resin for the selective removal of perchlorate and per- and polyfluoroalkyl substances (PFAS) from potable water.

The resin offers exceptional selectivity for perchlorate and a high affinity for PFAS. The physical characteristics of AmberLite™ PSR2 Plus, a gel resin with a uniform particle size, afford high operating capacity and lower pressure losses compared to conventional perchlorate removal resins.

Applications

- Potable water treatment
 - Perchlorate removal
 - Per- and polyfluoroalkyl substances (PFAS) removal

Typical Properties

Physical Properties

Copolymer	Styrene-divinylbenzene
Matrix	Gel
Type	Strong base anion
Functional Group	Tri-n-butyl amine
Physical Form	White to yellow, translucent, spherical beads

Chemical Properties

Ionic Form as Shipped	Cl ⁻
Total Exchange Capacity	≥ 0.7 eq/L
Water Retention Capacity	25 – 35%

Particle Size[§]

Particle Diameter	700 ± 50 µm
Uniformity Coefficient	≤ 1.1
< 300 µm	≤ 1%

Stability

Whole Uncracked Beads	≥ 95%
Friability	
> 200 g/bead	≥ 90%

Density

Shipping Weight	690 g/L
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§ For additional particle size information, please refer to the [Particle Size Distribution Cross Reference Chart](#) (Form No. 45-D00954-en).

Suggested Operating Conditions

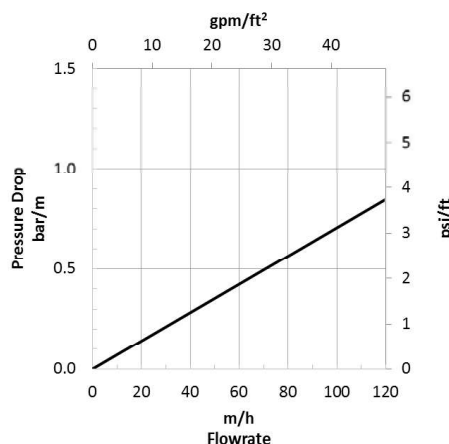
Maximum Operating Temperature	60°C (140°F)
pH Range	0 – 14

Hydraulic Characteristics

Estimated pressure drop for AmberLite™ PSR2 Plus Ion Exchange Resin as a function of service flowrate at 20°C (68°F) is shown in Figure 1. These pressure drop expectations are valid at the start of the service run with clean water. Estimated pressure drop at other water temperatures can be calculated with the provided equations.

Figure 1: Pressure Drop

Temperature = 20°C (68°F)



For other temperatures use:

$$P_T = P_{20^\circ\text{C}} / (0.026T_{^\circ\text{C}} + 0.48)], \text{ where } P \equiv \text{bar/m}$$

$$P_T = P_{68^\circ\text{F}} / (0.014T_{^\circ\text{F}} + 0.05)], \text{ where } P \equiv \text{psi/ft}$$

Conditioning and Limits of Use

AmberLite™ PSR2 Plus Ion Exchange Resin is suitable for use in potable water applications ¹ after an initial commissioning pretreatment at ambient temperature.

¹ Please confirm the regulatory approval in your specific country of use.

Product Stewardship

DuPont has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with DuPont products—from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

DuPont strongly encourages its customers to review both their manufacturing processes and their applications of DuPont products from the standpoint of human health and environmental quality to ensure that DuPont products are not used in ways for which they are not intended or tested. DuPont personnel are available to answer your questions and to provide reasonable technical support. DuPont product literature, including safety data sheets, should be consulted prior to use of DuPont products. Current safety data sheets are available from DuPont.

Please be aware of the following:

- **WARNING:** Oxidizing agents such as nitric acid attack organic ion exchange resins under certain conditions. This could lead to anything from slight resin degradation to a violent exothermic reaction (explosion). Before using strong oxidizing agents, consult sources knowledgeable in handling such materials.

Regulatory Note

These products may be subject to drinking water application restrictions in some countries; please check the application status before use and sale.

Have a question? Contact us at:

www.dupont.com/water/contact-us

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CarbPure® GAC 1240



Granular Activated Carbon for Water Treatment

CarbPure GAC 1240 is a high quality granular activated carbon designed for enhanced treatment of surface, ground, and wastewater.

CarbPure GAC 1240 is a Granular Activated Carbon (GAC) designed to remove dissolved organic and inorganic contaminants from surface and groundwater, wastewater, and various industrial process streams.

CarbPure GAC 1240 is produced by agglomeration of a raw bituminous coal-based feedstock sourced in the United States. The coal goes through a multi-staged washing process to significantly reduce the level of impurities and ash from the feedstock. The material is reagglomerated and shaped into a uniform spherical structure before it is carefully steam-activated to produce a granular product with effective adsorption of a broad range of target contaminants.

Package and Delivery

CarbPure GAC 1240 can be delivered in supersack bags or in dedicated pneumatic bulk trailers.

Product Specifications

Iodine Number	1000 mg/g (min)
Moisture	2% _{wt} (max)
Effective Size	0.5 - 1.0 mm
Uniformity Coefficient	1.8 (max)
Abrasion Number	80% (min)

Typical Properties

Typical Tap Density	0.2- 0.5 g/cc*
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*For general reference, not to be used for purchase specifications

Screen Size by Weight, US Sieve Series Numbers

On 12 mesh	5% _{wt} (max)
Through 40 mesh	5% _{wt} (max)

Product Benefits

- Reagglomerated coal-based granular activated carbons are 100% sourced and activated in the United States
- High purity, low-ash GAC
- Reagglomeration of ultra-fine, virgin primary particles provides kinetic adsorption benefits
- Spherical GAC shape can provide more efficient packing for low, uniform GAC bed pressure drop.
- Low abrasion design offers improved adsorber life cycle

What it Captures

- PFAS (per-and-polyfluoroalkyl substances)
- Herbicides
- Hazardous algal toxins (HABs)
- Total organic carbons (TOC)
- Volatile organic compounds (VOC)
- Chlorinated solvents
- Polychlorinated biphenyls (PCBs)
- Petroleum hydrocarbons like; benzene, toluene, ethylbenzene, and xylene (BTEX)
- Taste and odor compounds (such as MIB and geosmin)
- Power plant coal combustion residual (CCR) inorganics

The information contained herein is believed to be accurate as of the date hereof and is provided "AS IS" with all faults, and the entire risk associated with such information is entirely with the user. We reserve the right to amend any specifications without notice.

Updated 3.01.24



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SALES SPECIFICATION SHEET
CalRes™ 2301
Strong Base Anion Exchange Resin

Resin Type: Strong Base Anion
Structure: Macroporous
Ionic Form: Chloride

Test	Specification		Calgon Carbon Test Method
	Min	Max	
Wet Volume Capacity, meq/ml	0.51		ASTM D 2187 Method M Mod
Water Retention Capacity, %	48	60	ASTM D 2187 Method B Mod
Whole Bead, %	95		
US Sieve Series, % <i>on</i> 16 mesh		3	ASTM D 2187 Method D Mod
US Sieve Series, % <i>thru</i> 45 mesh		5	ASTM D 2187 Method D Mod
Manufacturing Point of Origin:			Product manufactured in the USA.
Min Required Approvals:			ANSI/NSF-61 Compliant. California Department of Health Services Approval / Acceptance.

This product is *Made to Order*. Calgon Carbon Corporation's ion exchange products are continuously being improved. Therefore, changes may have taken place since this publication has gone to press.

PRODUCT DATA SHEET

Purolite™ Purofine™ PFA694E

Polystyrenic Gel, Potable Water
Grade

PRINCIPAL APPLICATIONS

- Removal of perfluoroalkyl substances
- Removal of polyfluoroalkyl substances

ADVANTAGES

- Very high operating capacity
- Excellent kinetics
- Reduces PFAS to non-detect levels ranging from 1 – 5 parts per trillion

SYSTEMS

- Municipal

REGULATORY APPROVALS

- Certified by the WQA to NSF/ANSI-61 Standard
- Kosher Certified
- IFANCA Halal Certified

TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ Supersack

** Reduces PFAS to non-detect levels ranging from 1 – 5 parts per trillion*

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

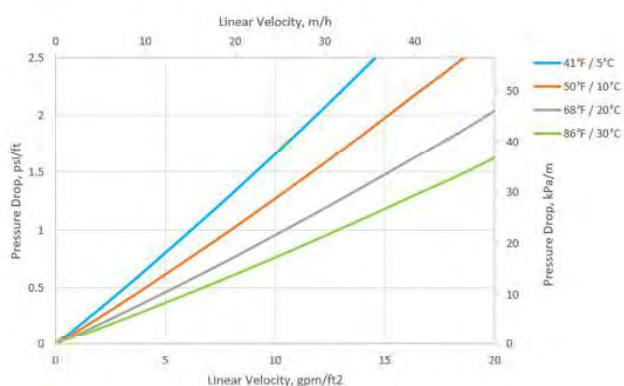
Polymer Structure	Polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Complex Amino
Mean Diameter	675 ± 75 µm
Uniformity Coefficient (max.)	1.3
Specific Gravity	1.05
Shipping Weight (approx.)	650 - 700 g/L (40.6 - 43.8 lb/ft³)
Temperature Limit	100 °C (212.0 °F) (Cl⁻ form)
Temperature Limit	60 °C (140.0 °F) (OH⁻ form)

Hydraulic Characteristics

PRESSURE DROP

The pressure drop across a bed of ion exchange resin depends on the particle size distribution, bed depth, and voids volume of the exchange material, as well as on the flow rate and viscosity of the influent solution. Factors affecting any of these parameters—such as the presence of particulate matter filtered out by the bed, abnormal compressibility of the resin, or the incomplete classification of the bed—will have an adverse effect, and result in an increased head loss. Depending on the quality of the influent water, the application and the design of the plant, service flow rates may vary from 10 to 40 BV/h.

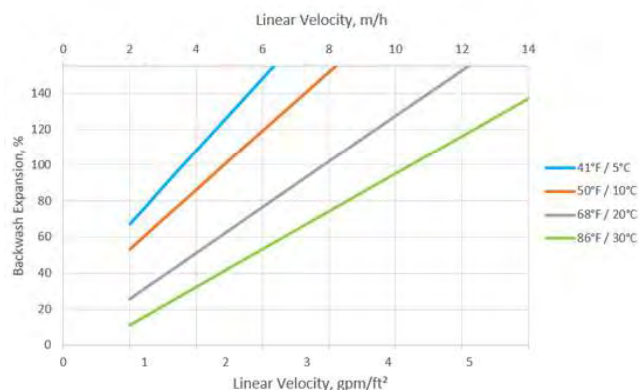
PRESSURE DROP ACROSS RESIN BED



BACKWASH

A 20 BV downflow rinse is required before the vessel is put into service. This rinse can be done onsite or offsite pre-installation. Once the resin is put into service, backwashing is not permitted as this will lead to shortened bed life. This is a uniform grade resin with beads of similar size and will not require backwashing for classification / stratification before use. If it is determined, before startup, that air bubbles or particulate matter are trapped within the bed, then backwashing can be done. In that case, the resin bed should be expanded by 50-70% for 10-15 minutes. Please note that bed expansion increases with higher flow rate and lower water temperature. Avoid loss of resin through the top of the vessel by over expansion of the bed.

BACKWASH EXPANSION OF RESIN BED



Ecolab is a global developer, manufacturer, and supplier of Purolite™ Resins including ion exchange, catalyst adsorbent and advanced polymers that make the world cleaner and healthier.

www.puroliteresins.com



We're ready to solve your process challenges.

For further information on products and services, visit www.puroliteresins.com or complete a Contact Us form via PuroliteResins.com/contact-us or use the QR code.

Contact Us Form:



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Attachment 3—Summary of PFAS Analytical Results

Table A Crescenta Valley PFAAs Data Summary

Media	Sample	EBV	PFBA (ng/L)	PFPeA (ng/L)	PFHxA (ng/L)	PFHpA (ng/L)	PFOA (ng/L)	PFBS (ng/L)	PFHxS (ng/L)	PFOS (ng/L)
-	GAC-Influent	20,000	12	26	27	9.4	14	23	16	8.3
	GAC-Influent	40,000	11	25	26	8.6	14	22	15	8.9
	GAC-Influent	60,000	11	27	28	8.6	15	22	15	9.5
	GAC-Influent	80,000	12	26	29	8.4	14	22	16	9.9
	GAC-Influent	100,000	12	27	29	8.4	16	25	17	8.9
Zirconia/Silica Beads	Control-A	20,000	11	27	28	9.3	15	24	16	7.8
	Control-A	40,000	11	25	26	8.9	15	23	15	8.2
	Control-A	60,000	12	27	27	8.9	15	23	16	8.9
	Control-A	80,000	11	26	27	8.6	14	23	15	9.7
	Control-A	100,000	11	27	29	8.7	15	23	16	7.9
	Control-B	20,000	12	28	28	9.3	15	24	16	7.8
	Control-B	40,000	11	25	27	8.6	15	22	15	8.9
	Control-B	60,000	11	26	27	8.7	15	23	15	8.6
	Control-B	80,000	11	27	27	9.5	15	22	15	9.6
	Control-B	100,000	12	27	29	9.1	16	24	17	8.8

Media	Sample	EBV	PFBA (ng/L)	PFPeA (ng/L)	PFHxA (ng/L)	PFHpA (ng/L)	PFOA (ng/L)	PFBS (ng/L)	PFHxS (ng/L)	PFOS (ng/L)
ARQ CarbPure 1240	GAC-1A	20,000	16	<2.0	<2.0	<2.0	0.73 J	<2.0	<2.0	1.9 J
	GAC-1A	40,000	12	22	<2.0	<2.0	<2.0	<2.0	<2.0	0.88 J
	GAC-1A	60,000	11	44	15	<2.0	<2.0	8.3	<2.0	0.63 J
	GAC-1A	80,000	11	36	35	1.8 J	0.63 J	25	0.46 J	0.49 J
	GAC-1A	100,000	11	32	42	6.5	2.4	36	1.9 J	0.61 J
	GAC-1B	20,000	16	<2.0	<2.0	<2.0	0.76 J	<2.0	<2.0	1.9 J
	GAC-1B	40,000	12	22	<2.0	<2.0	<2.0	<2.0	<2.0	0.98 J
	GAC-1B	60,000	12	43	15	<2.0	<2.0	9.4	<2.0	0.67 J
	GAC-1B	80,000	12	35	33	2.1	0.59 J	26	0.4 J	0.78 J
	GAC-1B	100,000	12	32	43	6.6	2.3	34	1.9 J	0.72 J
Purolite Purofine PFA694E	AER-1A	30,000	11	26	3.0	<2.0	<2.0	<2.0	<2.0	0.80 J
	AER-1A	60,000	12	27	15	0.51 J	0.48 J	<2.0	<2.0	2.2
	AER-1A	90,000	12	29	24	1.0 J	<2.0	<2.0	<2.0	1.1 J
	AER-1A	120,000	12	27	31	1.9 J	0.58 J	<2.0	<2.0	1.1 J
	AER-1A	150,000	12	27	30	3.6	0.89 J	<2.0	<2.0	0.87 J
	AER-1B	30,000	12	25	2.9	<2.0	0.49 J	<2.0	<2.0	0.60 J
	AER-1B	60,000	12	28	17	0.48 J	0.46 J	<2.0	0.32 J	2.4
	AER-1B	90,000	12	27	24	1.0 J	0.42 J	<2.0	<2.0	1.0 J
	AER-1B	120,000	11	24	26	2.1	0.67 J	<2.0	<2.0	0.94 J
	AER-1B	150,000	11	27	29	3.8	0.65 J	<2.0	<2.0	0.48 J

Media	Sample	EBV	PFBA (ng/L)	PFPeA (ng/L)	PFHxA (ng/L)	PFHpA (ng/L)	PFOA (ng/L)	PFBS (ng/L)	PFHxS (ng/L)	PFOS (ng/L)
Calgon CalRes 2301	AER-2A	30,000	11	21	2.6	<2.0	<2.0	<2.0	<2.0	0.52 J
	AER-2A	60,000	12	29	13	0.44 J	0.45 J	<2.0	<2.0	0.63 J
	AER-2A	90,000	NA	NA	NA	NA	NA	NA	NA	NA
	AER-2A	120,000	NA	NA	NA	NA	NA	NA	NA	NA
	AER-2A	150,000	NA	NA	NA	NA	NA	NA	NA	NA
	AER-2B	30,000	12	21	3.0	<2.0	<2.0	<2.0	<2.0	0.82 J
	AER-2B	60,000	11	26	10	0.41 J	<2.0	<2.0	<2.0	1.2 J
	AER-2B	90,000	12	28	25	1.8 J	1.3 J	<2.0	<2.0	0.84 J
	AER-2B	120,000	12	27	28	2.8	1.5 J	0.56 J	<2.0	0.45 J
	AER-2B	150,000	12	26	29	4.0	2.4	0.80 J	<2.0	0.70 J
DuPont AmberLite PSR2 Plus	AER-3A	30,000	12	11	0.80 J	<2.0	<2.0	<2.0	<2.0	0.78 J
	AER-3A	60,000	11	22	6.4	<2.0	<2.0	<2.0	<2.0	1.1 J
	AER-3A	90,000	12	26	11	0.67 J	0.46 J	<2.0	<2.0	1.0 J
	AER-3A	120,000	11	26	15	1.2 J	0.75 J	<2.0	<2.0	1.1 J
	AER-3A	150,000	12	29	22	1.6 J	0.89 J	<2.0	<2.0	0.96 J
	AER-3B	30,000	12	9.6	0.79 J	<2.0	0.46 J	<2.0	<2.0	0.99 J
	AER-3B	60,000	12	23	6.7	0.58 J	0.84 J	<2.0	0.33 J	1.9 J
	AER-3B	90,000	12	27	11	0.82 J	0.62 J	<2.0	<2.0	1.1 J
	AER-3B	120,000	11	25	15	1.1 J	0.99 J	<2.0	<2.0	0.87 J
	AER-3B	150,000	12	28	21	1.7 J	0.94 J	<2.0	<2.0	0.57 J

Notes:
A and B denote experimental replicates.
J = greater than analytical detection limit but less than reporting limit
NA = not analyzed