DBS&A
a Geo-Logic Company

April 23, 2025

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

Re: Summary of Field Activities and Analytical Results
First Quarter 2025 Groundwater Monitoring Event
City of Santa Fe Paseo Real Wastewater Reclamation Facility

Dear Ms. Ewing:

Daniel B. Stephens & Associates, Inc. (DBS&A) is pleased to provide this letter report to Hazen and Sawyer (Hazen) summarizing results of the first quarter 2025 groundwater monitoring event conducted at the City of Santa Fe (the City) Paseo Real Wastewater Reclamation Facility (PRWRF) in Santa Fe, New Mexico (the site) (Figure 1).

Background

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

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

For the current project, DBS&A collected groundwater quality samples from the PRWRF monitor wells in June 2024, September 2024, December 2024, and March 2025. During the second through fourth quarter groundwater monitoring events conducted in 2024, poly- and perfluoroalkyl substances (PFAS) analytes were detected in samples collected from wells MW-1 and MW-4A (DBS&A, 2024a, 2024b, and 2025). One PFAS analyte was detected in the sample collected from MW-3 during the third quarter monitoring event, but this detection is believed to be from the sampling or analytical process and may not be representative of the groundwater in the location of MW-3. Concentrations of all PFAS were below the New Mexico Environment Department (NMED) tap water noncancer

screening levels provided in the NMED November 2022 risk assessment guidance document (NMED, 2022).

This report summarizes the results of the first quarter groundwater monitoring event conducted on March 12, 2025.

Sampling Analytes

This water quality sampling was performed to evaluate whether there is PFAS contamination in groundwater below the former sludge disposal facility. Analytes that have been detected in the samples collected and/or have an NMED screening level and their acronyms are listed in Table 1. PFAS analytes with detections in four quarters of sampling and applicable screening levels are listed in Table 2.

Scope of Work

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

Groundwater monitoring was conducted at the site on March 12, 2025. The scope of work included measurement of water levels and collection of groundwater samples from monitor wells associated with the site (MW-1 through MW-3, MW-4A, and MW-5 through MW-7) (Figure 1). One duplicate sample and one field blank quality control sample were also collected.

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

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

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

records (Attachment 1). Purge water was collected in 55-gallon drums at each well location pending laboratory results and proper disposal.

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

Results

Water Level Elevations

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

Water levels measured during the current monitoring event were used to construct the potentiometric surface map provided in Figure 2. Groundwater flow direction at the site was generally to the southwest, with a gradient of 0.0014 foot per foot (ft/ft), which is consistent with previous monitoring events.

Analytical Results

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

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

- MW-1: PFBA (11.2 nanograms per liter [ng/L]), PFPeA (24.0 ng/L), PFHxA (20.8 ng/L), PFHpA (4.22 ng/L), PFOA (6.19 ng/L), PFBS (14.4 ng/L), PFPeS (2.29 ng/L), and PFHxS (7.00 ng/L)
- MW-3: PFOSA (2.85 ng/L)
- MW-4A: PFBS (2.65 ng/L)

Concentrations of all PFAS were below the NMED tap water noncancer screening levels provided in the NMED November 2022 risk assessment guidance document (NMED, 2022). PFAS were not detected at concentrations above laboratory reporting limits in wells MW-2, MW-5, MW-6, and MW-7. Detections of PFAS analytes in monitor wells MW-1 and MW-4A during this monitoring event are consistent with the detections during the June, September, and December 2024 monitoring events. MW-1 is located on the west side of the facility. MW-4A is located northwest of the facility and downgradient of the outfall, near the discharge channel to the Santa Fe River.

During the last four quarters of groundwater monitoring, PFOSA was detected twice in the sample collected from MW-3 (September 2024 and March 2025). This detection is thought to have been introduced during the sampling or analytical process due to the prevalence of PFAS in everyday use items and the environment.

Nine PFAS analytes were detected at concentrations above laboratory reporting limits in the duplicate sample (MW-9), which is consistent with analytical results in the corresponding primary sample collected from MW-1 (Table 2). Concentrations of all PFAS were below laboratory reporting limits in the field blank quality control sample, labeled MW-8 (Attachment 2).

Conclusions

A total of seven monitor wells were sampled as part of the first quarter 2025 groundwater monitoring event at the site. Based on the results of the current groundwater monitoring event, DBS&A provides the following conclusions regarding groundwater conditions at the site:

- Groundwater beneath the site continues to flow to the southwest.
- PFAS were detected in samples collected from MW-1 (eight analytes) and MW-4A (one analyte) at concentrations below the NMED screening levels.
- The groundwater analytical data collected from the PRWRF monitor wells has been consistent over the four quarters of sampling.

Closing

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

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

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

PNF/rpf
Attachments

References

Daniel B. Stephens & Associates, Inc. (DBS&A). 2024a. Letter report from Patrice N. Feltman to Amy Ewing, Hazen and Sawyer, regarding Summary of field activities and analytical results, Second quarter groundwater monitoring event, City of Santa Fe Paseo Real Wastewater Reclamation Facility. September 10, 2024.

DBS&A. 2024b. Letter report from Patrice N. Feltman to Amy Ewing, Hazen and Sawyer, regarding Summary of field activities and analytical results, Third quarter groundwater monitoring event, City of Santa Fe Paseo Real Wastewater Reclamation Facility. October 23, 2024.

DBS&A. 2025. Letter report from Patrice N. Feltman to Amy Ewing, Hazen and Sawyer, regarding Summary of field activities and analytical results, Fourth quarter groundwater monitoring event, City of Santa Fe Paseo Real Wastewater Reclamation Facility. February 4, 2025.

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

State Water Resources Control Board (SWRCB) [of California]. 2020. *Drinking water sample collection guidance for per- and poly-fluoroalkyl substances (PFAS)*. Division of Drinking Water. May 2020.

Figures

S:\PROJECTS\DB24.1212_HAZEN_PRWRF_SERVICES\GIS\ARCGIS PRO\GROUNDWATER_SAMPLING_REPORTS\HAZEN_GWSR_202406.APRX

Base image source: Google Earth Pro, March 2021

Figure 1

CITY OF SANTA FE
PASEO REAL WATER RECLAMATION FACILITY
Site Map

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9/6/2024
DB24.1212

S:\PROJECTS\DB24.1212_HAZEN_PRWRF_SERVICES\GIS\ARCGIS PRO\GROUNDWATER_SAMPLING_REPORTS\HAZEN_GWSR_202406.APRX ● F02 POT MAP 2025-03

Explanation

- Potentiometric surface elevation contour (ft msl) (dashed where inferred)
- Monitor well
- MW-1 Monitor well designation
- 6154.01 Potentiometric surface elevation (feet msl)

Base image source: Google Earth Pro, March 2021

CITY OF SANTA FE

PASEO REAL WATER RECLAMATION FACILITY

Potentiometric Surface Elevations
March 12, 2025

Figure 2

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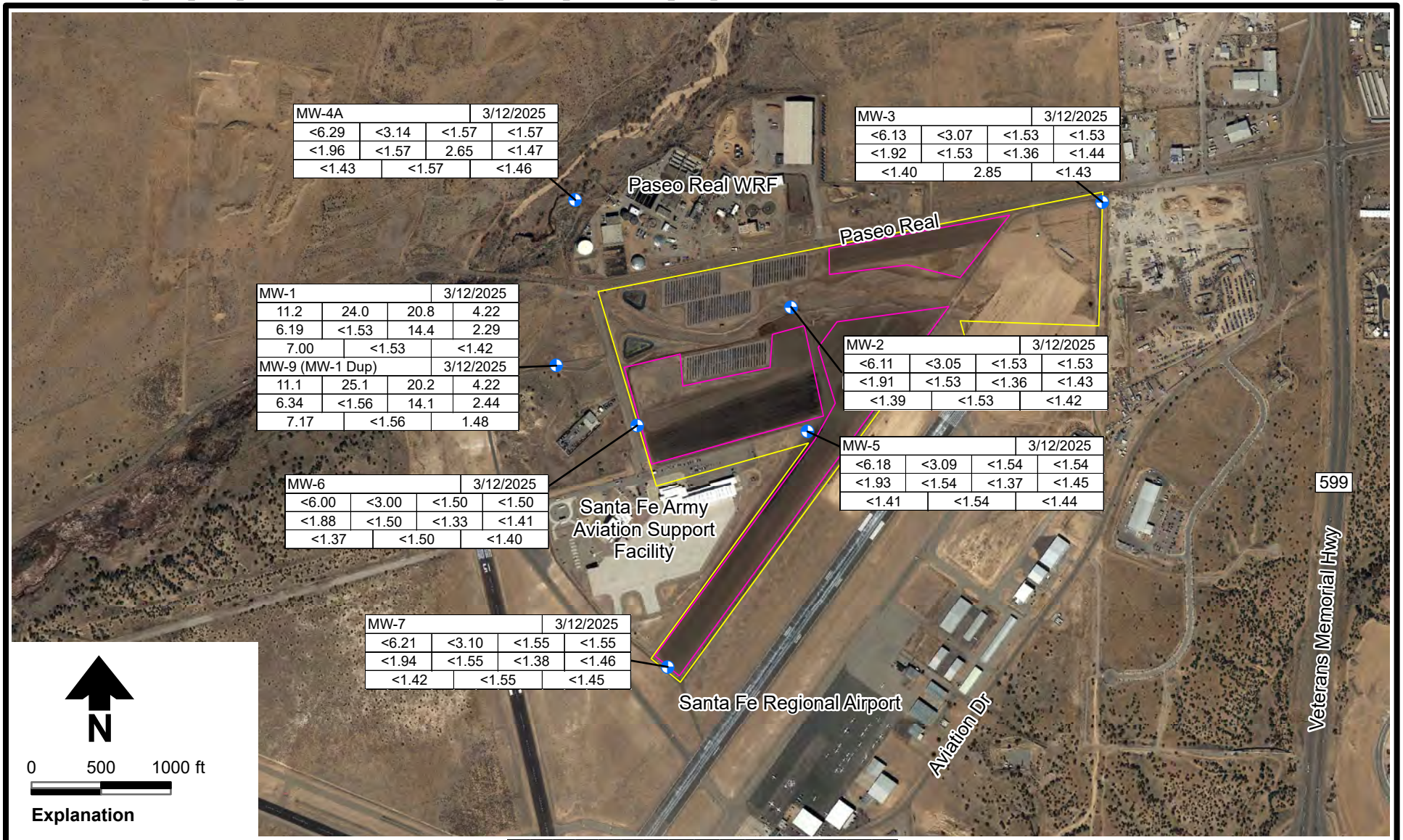
4/8/2025 DB24.1212

S:\PROJECTS\DB24.1212_HAZEN_PRWRF_SERVICES\GIS\ARCGIS PRO\GROUNDWATER_SAMPLING_REPORTS\HAZEN_GWSR_202406.APRX ● F03 DPC 2025-03



Note: All concentrations reported in nanograms per liter (ng/L)

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

Base image source: Google Earth Pro, March 2021

CITY OF SANTA FE
PASEO REAL WATER RECLAMATION FACILITY
Distribution of PFAS Contaminants
March 12, 2025

Figure 3

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4/8/2025 DB24.1212

Tables

Table 1. PFAS Target Analytes

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

Analytes listed have been detected in the samples collected and/or have an NMED Screening Level.

Table 2. Groundwater Chemistry Analytical Data
Page 1 of 2

Well Name	Sample Date	Concentration [a] (ng/L)										
		PFBA	PFPeA	PFHxA	PFHpA	PFOA	PFNA	PFBS	PFPeS	PFHxS	PFOSA	PFOS
NMED Screening Level [b]		*None*	*None*	*None*	*None*	*60.2*	*60.2*	*6,020*	*None*	*401*	*None*	*60.2*
MW-1	6/21/2024	10.6	21.7	21.1	4.13	7.03	<1.58	14.2	2.24	7.16	<1.58	<1.47
	9/11/2024	9.93	23.9	20.8	3.90	5.85	<1.59	11.3	2.32	7.23	<1.59	<1.48
	12/19/2024	10.4	21.3	16.7	4.33	5.42	<1.64	11.4	2.01	6.04	<1.64	1.56
	3/12/2025	11.2	24.0	20.8	4.22	6.19	<1.53	14.4	2.29	7.00	<1.53	<1.42
MW-2	6/20/2024	<5.99	<2.99	<1.50	<1.50	<1.87	<1.50	<1.33	<1.40	<1.37	<1.50	<1.39
	9/11/2024	<6.45	<3.22	<1.61	<1.61	<2.01	<1.61	<1.43	<1.51	<1.47	<1.61	<1.50
	12/19/2024	<6.44	<3.22	<1.61	<1.61	<2.01	<1.61	<1.43	<1.51	<1.47	<1.61	<1.50
	3/12/2025	<6.11	<3.05	<1.53	<1.53	<1.91	<1.53	<1.36	<1.43	<1.39	<1.53	<1.42
MW-3	6/20/2024	<6.16	<3.08	<1.54	<1.54	<1.93	<1.54	<1.37	<1.44	<1.41	<1.54	<1.44
	9/11/2024	<6.30	<3.15	<1.58	<1.58	<1.97	<1.58	<1.40	<1.48	<1.44	1.76	<1.47
	12/19/2024	<6.50	<3.25	<1.63	<1.63	<2.03	<1.63	<1.44	<1.52	<1.48	<1.63	<1.51
	3/12/2025	<6.13	<3.07	<1.53	<1.53	<1.92	<1.53	<1.36	<1.44	<1.40	2.85	<1.43
MW-4A	6/21/2024	<6.12	<3.06	<1.53	<1.53	<1.91	<1.53	2.67	<1.43	<1.40	<1.53	<1.42
	9/11/2024	<6.21	<3.10	<1.55	<1.55	<1.94	<1.55	2.36	<1.46	<1.42	<1.55	<1.45
	12/19/2024	<6.38	<3.19	<1.59	<1.59	<1.99	<1.59	2.21	<1.49	<1.45	<1.59	<1.48
	3/12/2025	<6.29	<3.14	<1.57	<1.57	<1.96	<1.57	2.65	<1.47	<1.43	<1.57	<1.46
MW-5	6/20/2024	<6.10	<3.05	<1.52	<1.52	<1.91	<1.52	<1.35	<1.43	<1.39	<1.52	<1.42
	9/11/2024	<6.47	<3.24	<1.62	<1.62	<2.02	<1.62	<1.44	<1.52	<1.48	<1.62	<1.51

Notes are provided at the end of the table.

Table 2. Groundwater Chemistry Analytical Data
Page 2 of 2

Well Name	Sample Date	Concentration [a] (ng/L)										
		PFBA	PFPeA	PFHxA	PFHpA	PFOA	PFNA	PFBS	PFPeS	PFHxS	PFOSA	PFOS
NMED Screening Level [b]		*None*	*None*	*None*	*None*	*60.2*	*60.2*	*6,020*	*None*	*401*	*None*	*60.2*
MW-5 (cont.)	12/19/2024	<6.41	<3.20	<1.60	<1.60	<2.00	<1.60	<1.42	<1.50	<1.46	<1.60	<1.49
	3/12/2025	<6.18	<3.09	<1.54	<1.54	<1.93	<1.54	<1.37	<1.45	<1.41	<1.54	<1.44
MW-6	6/21/2024	<6.14	<3.07	<1.53	<1.53	<1.92	<1.53	<1.36	<1.44	<1.40	<1.53	<1.43
	9/11/2024	<6.44	<3.22	<1.61	<1.61	<2.01	<1.61	<1.43	<1.51	<1.47	<1.61	<1.50
	12/19/2024	<6.54	<3.27	<1.63	<1.63	<2.04	<1.63	<1.45	<1.53	<1.49	<1.63	<1.52
	3/12/2025	<6.00	<3.00	<1.50	<1.50	<1.88	<1.50	<1.33	<1.41	<1.37	<1.50	<1.40
MW-7	6/20/2024	<6.34	<3.17	<1.58	<1.58	<1.98	<1.58	<1.41	<1.49	<1.45	<1.58	<1.48
	9/11/2024	<6.58	<3.29	<1.64	<1.64	<2.06	<1.64	<1.46	<1.54	<1.50	<1.64	<1.53
	12/19/2024	<6.45	<3.23	<1.61	<1.61	<2.02	<1.61	<1.43	<1.51	<1.47	<1.61	<1.50
	3/12/2025	<6.21	<3.10	<1.55	<1.55	<1.94	<1.55	<1.38	<1.46	<1.42	<1.55	<1.45
MW-8 (MW-5 Dup)	6/20/2024	<6.07	<3.04	<1.52	<1.52	<1.90	<1.52	<1.35	<1.42	<1.38	<1.52	<1.41
MW-8 (MW-1 Dup)	9/11/2024	10.3	24.3	19.1	3.93	5.81	<1.59	11.6	2.22	7.18	<1.59	<1.48
MW-9 (MW-1 Dup)	12/19/2024	10.3	20.9	15.8	4.05	5.89	<1.62	11.2	1.98	6.14	<1.62	<1.51
MW-9 (MW-1 Dup)	3/12/2025	11.1	25.1	20.2	4.22	6.34	<1.56	14.1	2.44	7.17	<1.56	1.48

Bold indicates that value exceeds the New Mexico Environment Department (NMED) tap water noncancer screening level.
Analytes listed have been detected in the samples collected and/or have an NMED screening level.

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

[b] NMED screening level, tap water, noncancer

ng/L = Nanograms per liter

Table 3. Water Level Data

Well Name	Top of Casing Elevation [a] (feet msl)	Total Depth[b] (feet bgs)	Screened Interval[b] (feet bgs)	Date Measured	Depth to Groundwater (feet btoc)	Groundwater Elevation (feet msl)
MW-1	6,282.29	150	130-150	6/20/2024	128.65	6,153.64
				9/11/2024	128.39	6,153.90
				12/19/2024	128.55	6,153.74
				3/12/2025	128.28	6,154.01
MW-2	6,301.40	170	130-150	6/20/2024	146.81	6,154.59
				9/11/2024	146.60	6,154.80
				12/19/2024	146.75	6,154.65
				3/12/2025	146.48	6,154.92
MW-3	6,339.16	214	194-214	6/20/2024	179.89	6,159.27
				9/11/2024	179.72	6,159.44
				12/19/2024	179.88	6,159.28
				3/12/2025	179.69	6,159.47
MW-4A	Unknown	Unknown	Unknown	6/20/2024	117.84	NA
				9/11/2024	117.64	NA
				12/19/2024	117.78	NA
				3/12/2025	117.53	NA
MW-5	6,341.69	204	184-204	6/20/2024	187.57	6,154.12
				9/11/2024	187.55	6,154.14
				12/19/2024	187.67	6,154.02
				3/12/2025	187.45	6,154.24
MW-6	6,327.65	186	166-186	6/20/2024	174.00	6,153.65
				9/11/2024	173.76	6,153.89
				12/19/2024	173.93	6,153.72
				3/12/2025	173.67	6,153.98
MW-7	6,325.24	215	166-186	6/20/2024	172.69	6,152.55
				9/11/2024	172.49	6,152.75
				12/19/2024	172.62	6,152.62
				3/12/2025	172.42	6,152.82

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

[b] Approximate depth

msl = Above mean sea level
bgs = Below ground surface
btoc = Below top of casing
NA = Not applicable

Attachment 1

Field Notes

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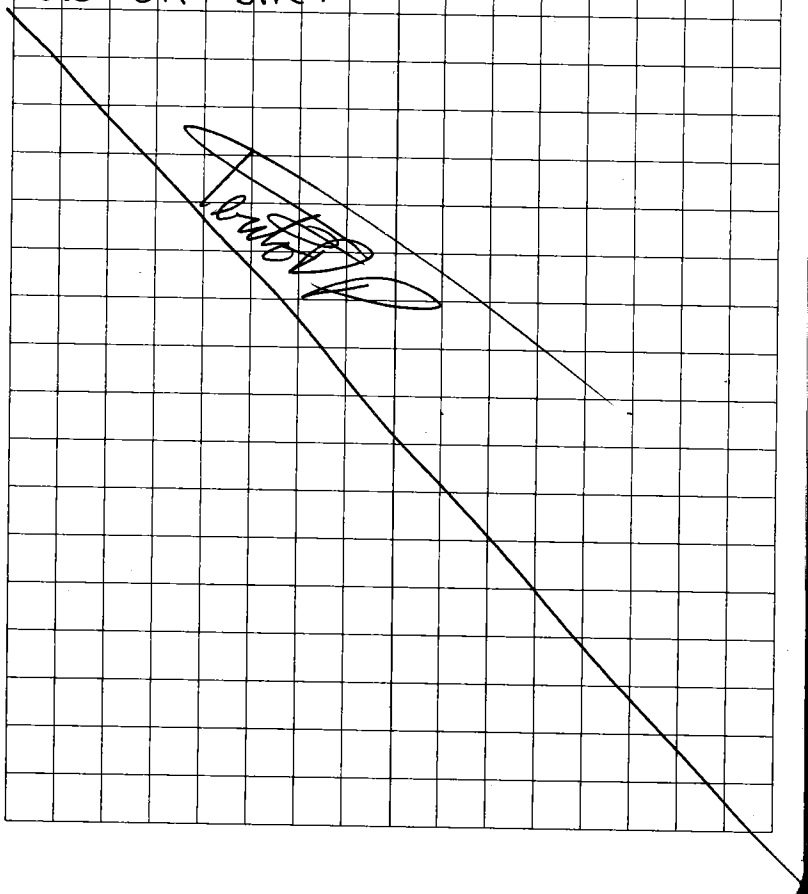
marking

3/12/25	GWM + soil borings	BC + TDP
0916	Checked in + on site at MW-3.	
	38° H: 57° L: 32° Sunny + windy.	
1017	Purged 70 gallons into 2 drums	
	@ MW-3. 1 drum full, 1 drum 1/3 full.	
	(55 gallon drums)	
1022	Sampled MW-3; 75 gallons	
	purged -> well dry.	
1035	@ MW-2	
1058	sampled MW-2	
	- 2 drums filled, ~ 95 gallons purged.	
1107	@ MW-5	
1138	sampled MW-5	
	- 1 drum filled, ~ 53 gallons	
	purged.	
1146	@ MW-7.	
1207	Sampled MW-7. ~ 100 gallons	
	2 drums filled.	
1218	@ MW-6	
1235	Sampled MW-6	
	- filled 1/2 a drum ~ 40 gallons	
	purged.	
1248	@ MW-4.	
1304	Sampled MW-4.	
	- filled 1 drum, ~ 47 gallons.	

marking

3/12/25	GWM + soil borings	BC + TDP
1314	@ MW-1.	
1331	Field Blank Sample (MW-8).	
1344	MW-1 sampled; Duplicate	
	sampled (MW-9) 1 drum ~ 70 gallons.	
1519	Soil borings SB-1 through SB-9 marked.	
	with white painted stakes.	
1530	Signed out at main office.	
1538	Off site.	



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GROUNDWATER METER CALIBRATION SHEET

Project Name: Paseo Real WRF

Project #: DB24.1212.00

Project Manager: J. Fisher

Sampler: B. Constand & ~~J. Fisher~~ T. Del Prete

Date: 03/12/2025

pH	Temp (°C)	Comments
(4) 4.0 / 3.81	16.2	
(7) 7.0 / 6.89	15.7	
(10) 10.0 / 10.01	15.7	
SpCon (µs/cm)	Temp (°C)	Comments
(1413) 1413 / 1415	15.6	
ORP (mv)	Temp (°C)	Comments
227.0 / 225.6	15.1	
Dissolved O_2	Temp (°C)	Comments
(%) 88.1	11.3	
(mg/L) 9.70	11.3	
Pressure	Temp (°C)	Comments
(mmHg) 602.9	11.3	

Comments: YSI SN: 12A10D566

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GROUNDWATER ELEVATION DATA SHEET

Project Name: Paseo Real WRF

Sampler: ~~J. Fisher~~ T. Del Prete & B. Constand

Project #: DB24.1212.00

Date: 03/12/2025

Project Manager: J. Fisher / P. Feltman

Sheet # 1 of 1

Well ID	Depth to NAPL	Depth to Water	Total Depth	Comments
MW-1		128.28	150	(Well Diameter, Condition) 4.5"
MW-2		146.48	170	5"
MW-3		179.69	214	5"
MW-4		117.53	135	4"
MW-5		187.45	204	4"
MW-6		173.67	186	4"
MW-7		172.42	200	4"

Comments:

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GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF
Project #: DB24.1212
Project Manager: J. Fisher / P. Feltman

Sampler: ~~J. Fisher~~ T. Del Prete & B. Constand
Sample Date: 03/12/2025
Sample Time: 13:44

Well #: MW-1
Well Diameter: 4.5 (inches)
Depth to NAPL: ~~~~ (feet btoc)
Depth to Water: 128.28 (feet btoc)
Total Depth of Well: 150 (feet)

Height of Water Column: 21.72 (feet)
Casing Volume: 14.18 (gal)
Purge Volume: 42.54 (gal)
Purge Method: Dedicated Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	~~+3~~ 8.29	13.1	619.9	181.7	8.03	Clear
1	7.96	14.7	637	184.5	6.85	Clear
2	8.57	15.4	625	196.0	7.10	Clear
3	7.89	15.4	622	211.3	6.84	Clear

Sample Description: 3 Bottles, (2-500ml Poly, 1-125ml Poly)
collected duplicate MW-9.

Physical Observations: Clear, odorless, reddish sediment.

Analytical Method(s): PFAS 1633

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GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF
Sampler: ~~J. Fisher~~ T. Del Prete & B. Constand
Project #: DB24.1212
Sample Date: 03/12/2025
Project Manager: J. Fisher / P. Feltman
Sample Time: 1058

Well #: MW-2
Well Diameter: 5 (inches)
Height of Water Column: 23.52 (feet)
Depth to NAPL: —— (feet btoc)
Casing Volume: 23.99 (gal)
Depth to Water: 146.48 (feet btoc)
Purge Volume: 71.97 (gal)
Total Depth of Well: 170 (feet)
Purge Method: Dedicated Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	8.28	14.9	222.6	213.4	6.25	clear
1	8.13	15.3	221.7	223.4	6.60	clear
2	8.22	15.4	233.7	222.4	6.44	clear
3	8.22	15.4	246.2	227.1	6.39	clear

Sample Description: 3 Bottles, (2-500ml Poly, 1-125ml Poly)

Physical Observations: Clear, odorless

Analytical Method(s): PFAS 1633

DBS&A
a Geo-Logic Company

GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF
Project #: DB24.1212
Project Manager: J. Fisher / P. Feltman

Sampler: ~~J. Fisher~~ T. Del Prete & B. Constand
Sample Date: 03/12/2025
Sample Time: 10:22

Well #: MW-3
Well Diameter: 5 (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: 179.69 (feet btoc)
Total Depth of Well: 214 (feet)

Height of Water Column: 34.31 (feet)
Casing Volume: 34.99 (gal)
Purge Volume: 104.97 (gal)
Purge Method: Dedicated Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	8.58	12.6	213.4	203.9	7.98	clear
1	8.80	15.5	234.6	196.7	6.65	clear
2	8.79	15.7	224.6	230.3	7.40	clear
3	—	dry	—	—	—	—

Sample Description: 3 Bottles, (2-500ml Poly, 1-125ml Poly)

Physical Observations: clear, odorless

Analytical Method(s): PFAS 1633

DBS&A
a Geo-Logic Company

GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF
Sampler: ~~J. Fisher~~ T. Del Prete & B. Constand
Project #: DB24.1212
Sample Date: 03/12/2025
Project Manager: J. Fisher / P. Feltman
Sample Time: 13:04

Well #: MW-4
Well Diameter: 4 (inches)
Height of Water Column: 17.47 (feet)
Depth to NAPL: — (feet btoc)
Casing Volume: 11.40 (gal)
Depth to Water: 117.53 (feet btoc)
Purge Volume: 34.20 (gal)
Total Depth of Well: 135 (feet)
Purge Method: Dedicated Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	7.94	12.8	395.2	194.2	6.26	Clear
1	7.80	15.7	380.6	164.0	6.50	Clear
2	7.67	15.8	387.2	158.5	6.41	Clear
3	7.66	15.6	383.6	127.3	6.64	Clear

Sample Description: 3 Bottles, (2-500ml Poly, 1-125ml Poly)

Physical Observations:

Analytical Method(s): PFAS 1633

DBS&A
a Geo-Logic Company

GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF
Sampler: ~~J. Fisher~~ T. Del Prete & B. Constand
Project #: DB24.1212
Sample Date: 03/12/2025
Project Manager: J. Fisher / P. Feltman
Sample Time: 1138

Well #: MW-5
Well Diameter: 4 (inches)
Height of Water Column: 16.55 (feet)
Depth to NAPL: —— (feet btoc)
Casing Volume: 16.88 (gal)
Depth to Water: 187.45 (feet btoc)
Purge Volume: 50.64 (gal)
Total Depth of Well: 204 (feet)
Purge Method: Dedicated Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	8.64	15.7	208.7	203.5	7.18	Clear
1	8.63	15.9	195.2	204.1	7.25	clear
2	8.49	15.6	196.9	~~207~~ 203.2	6.64	Clear
3	8.64	15.4	227.9	214.1	~~214.1~~ 6.09	Clear

Sample Description: 3 Bottles, (2-500ml Poly, 1-125ml Poly)

Physical Observations:

Analytical Method(s): PFAS 1633

DBS&A
a Geo-Logic Company

GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF
Sampler: ~~J. Fisher~~ T. Del Prete & B. Constand
Project #: DB24.1212
Sample Date: 03/12/2025
Project Manager: J. Fisher / P. Feltman
Sample Time: 12:35

Well #: MW-6
Well Diameter: 4 (inches)
Height of Water Column: 12.33 (feet)
Depth to NAPL: — (feet btoc)
Casing Volume: 12.58 (gal)
Depth to Water: 173.67 (feet btoc)
Purge Volume: 37.74 (gal)
Total Depth of Well: 186 (feet)
Purge Method: Dedicated Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	8.31	12.7	195.6	225.9	5.42	clear
1	8.29	14.7	196.0	222.1	6.59	clear
2	8.37	15.1	201.5	233.6	6.22	clear
3	8.40	15.4	199.8	204.7	7.48	clear

Sample Description: 3 Bottles, (2-500ml Poly, 1-125ml Poly)

Physical Observations: Clear, odorless

Analytical Method(s): PFAS 1633

DBS&A
a Geo-Logic Company

GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF
Sampler: ~~J. Fisher~~ T. Del Prete & B. Constand
Project #: DB24.1212
Sample Date: 03/12/2025
Project Manager: J. Fisher / P. Feltman
Sample Time: 1209

Well #: MW-7
Well Diameter: 4 (inches)
Height of Water Column: 27.58 (feet)
Depth to NAPL: — (feet btoc)
Casing Volume: 28.13 (gal)
Depth to Water: 172.42 (feet btoc)
Purge Volume: 84.39 (gal)
Total Depth of Well: 200 (feet)
Purge Method: Dedicated Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	8.49	14.4	223.7	206.6	7.54	clear
1	8.58	15.6	230.5	218.1	6.83	clear
2	8.53	15.9	222.6	227.4	6.95	clear
3	8.57	15.1	218.7	239.5	6.92	clear

Sample Description: 3 Bottles, (2-500ml Poly, 1-125ml Poly)

Physical Observations: clear, odorless

Analytical Method(s): PFAS 1633

Attachment 2

Laboratory Analytical Report

DBS&A
a Geo-Logic Company

March 31, 2025

Enthalpy Analytical - El Dorado Hills
Work Order No. 2503126

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

Dear Ms. Ewing,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on March 14, 2025 under your Project Name 'Paseo Real WRF'.

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

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

Sincerely,

Chris Whitehead For Emily Uebelhoer
Project Manager

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

Enthalpy Analytical - EDH Work Order No. 2503126
Case Narrative

Sample Condition on Receipt:

Nine aqueous samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements. A sample ID discrepancy was noted for sample "MW-3" between the container label and the Chain-of-Custody (CoC). The sample ID has been reported as listed on the CoC.

Analytical Notes:

EPA Method 1633 (Aqueous)

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

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

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

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

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

TABLE OF CONTENTS

Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2503126-01	MW-1	12-Mar-25 13:44	14-Mar-25 09:29	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2503126-02	MW-2	12-Mar-25 10:58	14-Mar-25 09:29	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2503126-03	MW-3	12-Mar-25 10:22	14-Mar-25 09:29	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2503126-04	MW-4	12-Mar-25 13:04	14-Mar-25 09:29	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2503126-05	MW-5	12-Mar-25 11:38	14-Mar-25 09:29	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2503126-06	MW-6	12-Mar-25 12:35	14-Mar-25 09:29	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2503126-07	MW-7	12-Mar-25 12:09	14-Mar-25 09:29	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2503126-08	MW-8	12-Mar-25 13:31	14-Mar-25 09:29	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2503126-09	MW-9	12-Mar-25 14:31	14-Mar-25 09:29	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL

ANALYTICAL RESULTS

Sample ID: Method Blank **EPA Method 1633**

Client Data
Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous

Laboratory Data
Lab Sample: B25C162-BLK1
Column: BEH C18

Analyte		Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.40		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFMPA	377-73-1	ND	3.20		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
3:3 FTCA	356-02-5	ND	8.00		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFPeA	2706-90-3	ND	3.20		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFMBA	863090-89-5	ND	3.20		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFBS	375-73-5	ND	1.42		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
4:2 FTS	757124-72-4	ND	6.00		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFHxA	307-24-4	ND	1.60		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFEESA	113507-82-7	ND	2.85		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFPeS	2706-91-4	ND	1.50		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
HFPO-DA	13252-13-6	ND	6.68		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
NFDHA	151772-58-6	ND	3.20		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
5:3 FTCA	914637-49-3	ND	40.0		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFHpA	375-85-9	ND	1.60		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
ADONA	919005-14-4	ND	6.32		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFHxS	355-46-4	ND	1.46		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
6:2 FTS	27619-97-2	ND	6.07		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFOA	335-67-1	ND	2.00		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFHpS	375-92-8	ND	1.52		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
7:3 FTCA	812-70-4	ND	40.0		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFNA	375-95-1	ND	1.60		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFOSA	754-91-6	ND	1.60		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFOS	1763-23-1	ND	1.49		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
9Cl-PF3ONS	756426-58-1	ND	6.24		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFDA	335-76-2	ND	1.60		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
8:2 FTS	39108-34-4	ND	6.14		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFNS	68259-12-1	ND	1.54		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
MeFOSAA	2355-31-9	ND	1.60		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
EtFOSAA	2991-50-6	ND	1.60		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFUnA	2058-94-8	ND	1.60		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFDS	335-77-3	ND	1.54		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
11Cl-PF3OUdS	763051-92-9	ND	6.00		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFDoA	307-55-1	ND	1.60		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
MeFOSA	31506-32-8	ND	1.60		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFTrDA	72629-94-8	ND	1.60		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFDoS	79780-39-5	ND	1.55		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
PFTeDA	376-06-7	ND	1.60		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
EtFOSA	4151-50-2	ND	1.60		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1

Sample ID: Method Blank

EPA Method 1633

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous

Laboratory Data

Lab Sample: B25C162-BLK1
Column: BEH C18

Analyte		Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSE	24448-09-7	ND	16.0		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
EtFOSE	1691-99-2	ND	16.0		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	82.8	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C5-PFPeA	IS	84.0	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C2-4:2 FTS	IS	86.2	40 - 200		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C3-PFBS	IS	81.1	40 - 135		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C5-PFHxA	IS	82.8	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C4-PFHpA	IS	86.7	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C3-HFPO-DA	IS	80.5	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C2-6:2 FTS	IS	77.3	40 - 200		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C8-PFOA	IS	76.6	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C3-PFHxS	IS	82.6	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C9-PFNA	IS	75.8	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C2-8:2 FTS	IS	72.7	40 - 300		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C6-PFDA	IS	85.4	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
d3-MeFOSAA	IS	63.3	40 - 170		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C8-PFOS	IS	77.8	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
d5-EtFOSAA	IS	60.3	25 - 135		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C7-PFUnA	IS	69.4	30 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C8-PFOSA	IS	49.9	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C2-PFDoA	IS	55.9	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
13C2-PFTeDA	IS	54.1	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
d7-MeFOSE	IS	28.7	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
d3-MeFOSA	IS	28.3	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
d9-EtFOSE	IS	26.8	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1
d5-EtFOSA	IS	20.8	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:38	1

RL - Reporting limit

Results reported to RL.

Sample ID: OPR **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF

Matrix: Aqueous

Laboratory Data

Lab Sample: B25C162-BS1 Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	19.6	20.0	98.0	70 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFMPA	377-73-1	9.10	10.0	91.0	55 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
3:3 FTCA	356-02-5	23.9	25.0	95.8	65 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFPeA	2706-90-3	10.6	10.0	106	65 - 135		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFMBA	863090-89-5	9.98	10.0	99.8	60 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFBS	375-73-5	4.56	4.44	103	60 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
4:2 FTS	757124-72-4	18.6	18.8	99.3	70 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFHxA	307-24-4	4.58	5.00	91.5	70 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFEESA	113507-82-7	8.56	8.88	96.4	70 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFPeS	2706-91-4	4.67	4.72	99.0	65 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
HFPO-DA	13252-13-6	20.1	21.2	94.8	70 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
NFDHA	151772-58-6	9.88	10.0	98.8	50 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
5:3 FTCA	914637-49-3	103	125	82.6	70 - 135		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFHpA	375-85-9	4.71	5.00	94.2	70 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
ADONA	919005-14-4	20.1	20.0	101	65 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFHxS	355-46-4	4.58	4.56	100	65 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
6:2 FTS	27619-97-2	19.6	19.0	103	65 - 155		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFOA	335-67-1	5.33	5.00	107	70 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFHpS	375-92-8	4.90	4.76	103	70 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
7:3 FTCA	812-70-4	90.6	125	72.6	50 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFNA	375-95-1	5.49	5.00	110	70 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFOSA	754-91-6	5.17	5.00	103	70 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFOS	1763-23-1	4.58	4.64	98.6	55 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
9Cl-PF3ONS	756426-58-1	17.5	19.8	88.2	70 - 155		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFDA	335-76-2	5.11	5.00	102	70 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
8:2 FTS	39108-34-4	20.5	19.2	107	60 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFNS	68259-12-1	4.27	4.80	88.9	65 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
MeFOSAA	2355-31-9	4.58	5.00	91.5	50 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
EtFOSAA	2991-50-6	5.10	5.00	102	70 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFUnA	2058-94-8	4.79	5.00	95.9	70 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFDS	335-77-3	3.55	4.84	73.3	60 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
11Cl-PF3OUdS	763051-92-9	13.3	20.0	66.5	55 - 160		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFDoA	307-55-1	4.31	5.00	86.3	70 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
MeFOSA	31506-32-8	5.08	5.00	102	60 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1

Sample ID: OPR **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF

Matrix: Aqueous

Laboratory Data

Lab Sample: B25C162-BS1 Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFTrDA	72629-94-8	4.60	5.00	91.9	65 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFDoS	79780-39-5	3.45	4.84	71.3	50 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
PFTeDA	376-06-7	4.83	5.00	96.6	60 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
EtFOSA	4151-50-2	4.46	5.00	89.1	65 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
MeFOSE	24448-09-7	50.0	50.0	100	70 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
EtFOSE	1691-99-2	52.0	50.0	104	70 - 135		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	82.0	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C5-PFPeA	IS	81.2	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C2-4:2 FTS	IS	80.2	40 - 200		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C3-PFBS	IS	78.1	40 - 135		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C5-PFHxA	IS	87.8	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C4-PFHpA	IS	86.4	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C3-HFPO-DA	IS	79.0	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C2-6:2 FTS	IS	77.6	40 - 200		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C8-PFOA	IS	82.2	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C3-PFHxS	IS	77.7	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C9-PFNA	IS	75.0	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C2-8:2 FTS	IS	68.0	40 - 300		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C6-PFDA	IS	70.2	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
d3-MeFOSAA	IS	61.9	40 - 170		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C8-PFOS	IS	71.7	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
d5-EtFOSAA	IS	58.2	25 - 135		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C7-PFUnA	IS	61.3	30 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C8-PFOSA	IS	50.4	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C2-PFDoA	IS	57.1	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
13C2-PFTeDA	IS	51.5	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
d7-MeFOSE	IS	24.5	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
d3-MeFOSA	IS	20.6	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
d9-EtFOSE	IS	23.8	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1
d5-EtFOSA	IS	15.7	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 20:51	1

Sample ID: OPR **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous

Laboratory Data

Lab Sample: B25C162-BS2
Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	12.5	12.8	97.6	70 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFMPA	377-73-1	5.94	6.40	92.8	55 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
3:3 FTCA	356-02-5	13.6	16.0	85.2	65 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFPeA	2706-90-3	6.69	6.40	105	65 - 135		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFMBA	863090-89-5	5.71	6.40	89.2	60 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFBS	375-73-5	2.98	2.84	105	60 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
4:2 FTS	757124-72-4	11.9	12.0	99.5	70 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFHxA	307-24-4	3.07	3.20	95.8	70 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFEESA	113507-82-7	5.84	5.68	103	70 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFPeS	2706-91-4	3.16	3.01	105	65 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
HFPO-DA	13252-13-6	11.6	12.8	90.9	70 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
NFDHA	151772-58-6	5.91	6.40	92.3	50 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
5:3 FTCA	914637-49-3	71.1	80.0	88.9	70 - 135		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFHpA	375-85-9	3.12	3.20	97.5	70 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
ADONA	919005-14-4	11.2	12.1	92.4	65 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFHxS	355-46-4	2.94	2.92	100	65 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
6:2 FTS	27619-97-2	11.8	12.2	96.7	65 - 155		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFOA	335-67-1	3.43	3.20	107	70 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFHpS	375-92-8	2.98	3.05	97.9	70 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
7:3 FTCA	812-70-4	61.3	80.0	76.6	50 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFNA	375-95-1	3.47	3.20	108	70 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFOSA	754-91-6	3.21	3.20	100	70 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFOS	1763-23-1	2.94	2.97	99.1	55 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
9Cl-PF3ONS	756426-58-1	9.67	12.0	80.8	70 - 155		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFDA	335-76-2	3.17	3.20	99.0	70 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
8:2 FTS	39108-34-4	12.1	12.3	98.8	60 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFNS	68259-12-1	2.56	3.08	83.2	65 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
MeFOSAA	2355-31-9	3.30	3.20	103	50 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
EtFOSAA	2991-50-6	3.16	3.20	98.8	70 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFUnA	2058-94-8	3.08	3.20	96.1	70 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFDS	335-77-3	2.12	3.09	68.8	60 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
11Cl-PF3OUdS	763051-92-9	7.51	12.1	62.2	55 - 160		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFDoA	307-55-1	2.79	3.20	87.3	70 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
MeFOSA	31506-32-8	2.90	3.20	90.6	60 - 150		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1

Sample ID: OPR **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous

Laboratory Data

Lab Sample: B25C162-BS2
Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFTrDA	72629-94-8	3.08	3.20	96.4	65 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFDoS	79780-39-5	1.98	3.10	63.9	50 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
PFTeDA	376-06-7	3.03	3.20	94.6	60 - 140		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
EtFOSA	4151-50-2	2.72	3.20	84.9	65 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
MeFOSE	24448-09-7	30.5	32.0	95.3	70 - 145		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
EtFOSE	1691-99-2	32.7	32.0	102	70 - 135		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	80.2	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C5-PFPeA	IS	85.2	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C2-4:2 FTS	IS	78.0	40 - 200		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C3-PFBS	IS	76.9	40 - 135		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C5-PFHxA	IS	81.5	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C4-PFHpA	IS	80.7	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C3-HFPO-DA	IS	82.3	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C2-6:2 FTS	IS	81.8	40 - 200		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C8-PFOA	IS	73.9	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C3-PFHxS	IS	77.6	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C9-PFNA	IS	82.1	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C2-8:2 FTS	IS	69.6	40 - 300		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C6-PFDA	IS	72.3	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
d3-MeFOSAA	IS	61.8	40 - 170		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C8-PFOS	IS	75.8	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
d5-EtFOSAA	IS	61.4	25 - 135		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C7-PFUnA	IS	63.1	30 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C8-PFOSA	IS	50.9	40 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C2-PFDoA	IS	53.8	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
13C2-PFTeDA	IS	52.5	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
d7-MeFOSE	IS	24.7	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
d3-MeFOSA	IS	21.0	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
d9-EtFOSE	IS	22.5	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1
d5-EtFOSA	IS	15.1	10 - 130		B25C162	24-Mar-25	0.500 L	26-Mar-25 21:05	1

Sample ID: MW-1 **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 13:44

Laboratory Data

Lab Sample: 2503126-01
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	11.2	6.11		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFMPA	377-73-1	ND	3.06		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
3:3 FTCA	356-02-5	ND	7.64		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFPeA	2706-90-3	24.0	3.06		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFMBA	863090-89-5	ND	3.06		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFBS	375-73-5	14.4	1.36		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
4:2 FTS	757124-72-4	ND	5.73		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFHxA	307-24-4	20.8	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFEESA	113507-82-7	ND	2.72		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFPeS	2706-91-4	2.29	1.43		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
HFPO-DA	13252-13-6	ND	6.38		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
NFDHA	151772-58-6	ND	3.06		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
5:3 FTCA	914637-49-3	ND	38.2		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFHpA	375-85-9	4.22	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
ADONA	919005-14-4	ND	6.04		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFHxS	355-46-4	7.00	1.39		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
6:2 FTS	27619-97-2	ND	5.80		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFOA	335-67-1	6.19	1.91		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFHpS	375-92-8	ND	1.45		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
7:3 FTCA	812-70-4	ND	38.2		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFNA	375-95-1	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFOSA	754-91-6	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFOS	1763-23-1	ND	1.42		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
9Cl-PF3ONS	756426-58-1	ND	5.96		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFDA	335-76-2	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
8:2 FTS	39108-34-4	ND	5.86		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFNS	68259-12-1	ND	1.47		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
MeFOSAA	2355-31-9	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
EtFOSAA	2991-50-6	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFUnA	2058-94-8	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFDS	335-77-3	ND	1.47		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
11Cl-PF3OUdS	763051-92-9	ND	5.73		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFDoA	307-55-1	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
MeFOSA	31506-32-8	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFTrDA	72629-94-8	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFDoS	79780-39-5	ND	1.48		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
PFTeDA	376-06-7	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1

Sample ID: MW-1

EPA Method 1633

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 13:44

Laboratory Data

Lab Sample: 2503126-01
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
MeFOSE	24448-09-7	ND	15.3		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
EtFOSE	1691-99-2	ND	15.3		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	89.1	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C5-PFPeA	IS	90.2	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C2-4:2 FTS	IS	95.3	40 - 200		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C3-PFBS	IS	83.0	40 - 135		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C5-PFHxA	IS	85.0	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C4-PFHpA	IS	87.2	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C3-HFPO-DA	IS	87.6	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C2-6:2 FTS	IS	86.3	40 - 200		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C8-PFOA	IS	93.2	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C3-PFHxS	IS	85.9	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C9-PFNA	IS	77.7	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C2-8:2 FTS	IS	78.8	40 - 300		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C6-PFDA	IS	89.0	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
d3-MeFOSAA	IS	79.0	40 - 170		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C8-PFOS	IS	87.5	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
d5-EtFOSAA	IS	74.3	25 - 135		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C7-PFUnA	IS	85.9	30 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C8-PFOSA	IS	71.7	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C2-PFDoA	IS	73.8	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
13C2-PFTeDA	IS	71.6	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
d7-MeFOSE	IS	44.0	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
d3-MeFOSA	IS	32.6	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
d9-EtFOSE	IS	42.6	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1
d5-EtFOSA	IS	23.5	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 22:55	1

RL - Reporting limit

Results reported to RL.

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

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 10:58

Laboratory Data

Lab Sample: 2503126-02
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.11		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFMPA	377-73-1	ND	3.05		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
3:3 FTCA	356-02-5	ND	7.64		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFPeA	2706-90-3	ND	3.05		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFMBA	863090-89-5	ND	3.05		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFBS	375-73-5	ND	1.36		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
4:2 FTS	757124-72-4	ND	5.73		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFHxA	307-24-4	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFEESA	113507-82-7	ND	2.72		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFPeS	2706-91-4	ND	1.43		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
HFPO-DA	13252-13-6	ND	6.38		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
NFDHA	151772-58-6	ND	3.05		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
5:3 FTCA	914637-49-3	ND	38.2		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFHpA	375-85-9	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
ADONA	919005-14-4	ND	6.03		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFHxS	355-46-4	ND	1.39		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
6:2 FTS	27619-97-2	ND	5.79		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFOA	335-67-1	ND	1.91		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFHpS	375-92-8	ND	1.45		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
7:3 FTCA	812-70-4	ND	38.2		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFNA	375-95-1	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFOSA	754-91-6	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFOS	1763-23-1	ND	1.42		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
9Cl-PF3ONS	756426-58-1	ND	5.96		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFDA	335-76-2	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
8:2 FTS	39108-34-4	ND	5.86		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFNS	68259-12-1	ND	1.47		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
MeFOSAA	2355-31-9	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
EtFOSAA	2991-50-6	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFUnA	2058-94-8	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFDS	335-77-3	ND	1.47		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
11Cl-PF3OUdS	763051-92-9	ND	5.73		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFDoA	307-55-1	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
MeFOSA	31506-32-8	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFTrDA	72629-94-8	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFDoS	79780-39-5	ND	1.48		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
PFTeDA	376-06-7	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1

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

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 10:58

Laboratory Data

Lab Sample: 2503126-02
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	1.53		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
MeFOSE	24448-09-7	ND	15.3		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
EtFOSE	1691-99-2	ND	15.3		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	91.1	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C5-PFPeA	IS	93.3	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C2-4:2 FTS	IS	98.2	40 - 200		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C3-PFBS	IS	95.5	40 - 135		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C5-PFHxA	IS	88.2	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C4-PFHpA	IS	93.4	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C3-HFPO-DA	IS	89.7	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C2-6:2 FTS	IS	98.4	40 - 200		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C8-PFOA	IS	94.0	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C3-PFHxS	IS	95.4	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C9-PFNA	IS	89.1	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C2-8:2 FTS	IS	83.4	40 - 300		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C6-PFDA	IS	85.8	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
d3-MeFOSAA	IS	76.4	40 - 170		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C8-PFOS	IS	86.2	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
d5-EtFOSAA	IS	71.0	25 - 135		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C7-PFUnA	IS	85.1	30 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C8-PFOSA	IS	71.7	40 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C2-PFDoA	IS	74.6	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
13C2-PFTeDA	IS	74.5	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
d7-MeFOSE	IS	44.7	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
d3-MeFOSA	IS	36.0	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
d9-EtFOSE	IS	45.3	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1
d5-EtFOSA	IS	29.3	10 - 130		B25C162	24-Mar-25	0.524 L	26-Mar-25 23:09	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-3 **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 10:22

Laboratory Data

Lab Sample: 2503126-03
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.13		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFMPA	377-73-1	ND	3.07		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
3:3 FTCA	356-02-5	ND	7.66		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFPeA	2706-90-3	ND	3.07		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFMBA	863090-89-5	ND	3.07		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFBS	375-73-5	ND	1.36		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
4:2 FTS	757124-72-4	ND	5.75		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFHxA	307-24-4	ND	1.53		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFEESA	113507-82-7	ND	2.73		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFPeS	2706-91-4	ND	1.44		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
HFPO-DA	13252-13-6	ND	6.40		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
NFDHA	151772-58-6	ND	3.07		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
5:3 FTCA	914637-49-3	ND	38.3		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFHpA	375-85-9	ND	1.53		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
ADONA	919005-14-4	ND	6.05		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFHxS	355-46-4	ND	1.40		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
6:2 FTS	27619-97-2	ND	5.81		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFOA	335-67-1	ND	1.92		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFHpS	375-92-8	ND	1.46		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
7:3 FTCA	812-70-4	ND	38.3		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFNA	375-95-1	ND	1.53		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFOSA	754-91-6	2.85	1.53		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFOS	1763-23-1	ND	1.43		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
9Cl-PF3ONS	756426-58-1	ND	5.98		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFDA	335-76-2	ND	1.53		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
8:2 FTS	39108-34-4	ND	5.88		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFNS	68259-12-1	ND	1.48		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
MeFOSAA	2355-31-9	ND	1.53		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
EtFOSAA	2991-50-6	ND	1.53		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFUnA	2058-94-8	ND	1.53		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFDS	335-77-3	ND	1.48		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
11Cl-PF3OUdS	763051-92-9	ND	5.75		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFDoA	307-55-1	ND	1.53		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
MeFOSA	31506-32-8	ND	1.53		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFTrDA	72629-94-8	ND	1.53		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFDoS	79780-39-5	ND	1.48		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
PFTeDA	376-06-7	ND	1.53		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1

Sample ID: MW-3

EPA Method 1633

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 10:22

Laboratory Data

Lab Sample: 2503126-03
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	1.53		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
MeFOSE	24448-09-7	ND	15.3		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
EtFOSE	1691-99-2	ND	15.3		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	92.2	10 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C5-PFPeA	IS	91.6	40 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C2-4:2 FTS	IS	90.6	40 - 200		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C3-PFBS	IS	86.5	40 - 135		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C5-PFHxA	IS	93.0	40 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C4-PFHpA	IS	93.5	40 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C3-HFPO-DA	IS	91.1	40 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C2-6:2 FTS	IS	115	40 - 200		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C8-PFOA	IS	86.5	40 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C3-PFHxS	IS	92.6	40 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C9-PFNA	IS	85.3	40 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C2-8:2 FTS	IS	82.5	40 - 300		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C6-PFDA	IS	86.0	40 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
d3-MeFOSAA	IS	93.3	40 - 170		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C8-PFOS	IS	102	40 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
d5-EtFOSAA	IS	86.0	25 - 135		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C7-PFUnA	IS	90.7	30 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C8-PFOSA	IS	81.3	40 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C2-PFDoA	IS	81.4	10 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
13C2-PFTeDA	IS	74.3	10 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
d7-MeFOSE	IS	62.0	10 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
d3-MeFOSA	IS	51.1	10 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
d9-EtFOSE	IS	60.6	10 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1
d5-EtFOSA	IS	40.1	10 - 130		B25C162	24-Mar-25	0.522 L	26-Mar-25 23:23	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-4 **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 13:04

Laboratory Data

Lab Sample: 2503126-04
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.29		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFMPA	377-73-1	ND	3.14		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
3:3 FTCA	356-02-5	ND	7.86		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFPeA	2706-90-3	ND	3.14		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFMBA	863090-89-5	ND	3.14		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFBS	375-73-5	2.65	1.39		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
4:2 FTS	757124-72-4	ND	5.89		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFHxA	307-24-4	ND	1.57		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFEESA	113507-82-7	ND	2.80		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFPeS	2706-91-4	ND	1.47		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
HFPO-DA	13252-13-6	ND	6.56		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
NFDHA	151772-58-6	ND	3.14		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
5:3 FTCA	914637-49-3	ND	39.3		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFHpA	375-85-9	ND	1.57		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
ADONA	919005-14-4	ND	6.21		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFHxS	355-46-4	ND	1.43		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
6:2 FTS	27619-97-2	ND	5.96		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFOA	335-67-1	ND	1.96		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFHpS	375-92-8	ND	1.49		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
7:3 FTCA	812-70-4	ND	39.3		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFNA	375-95-1	ND	1.57		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFOSA	754-91-6	ND	1.57		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFOS	1763-23-1	ND	1.46		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
9Cl-PF3ONS	756426-58-1	ND	6.13		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFDA	335-76-2	ND	1.57		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
8:2 FTS	39108-34-4	ND	6.03		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFNS	68259-12-1	ND	1.51		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
MeFOSAA	2355-31-9	ND	1.57		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
EtFOSAA	2991-50-6	ND	1.57		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFUnA	2058-94-8	ND	1.57		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFDS	335-77-3	ND	1.51		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
11Cl-PF3OUdS	763051-92-9	ND	5.89		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFDoA	307-55-1	ND	1.57		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
MeFOSA	31506-32-8	ND	1.57		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFTrDA	72629-94-8	ND	1.57		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFDoS	79780-39-5	ND	1.52		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
PFTeDA	376-06-7	ND	1.57		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1

Sample ID: MW-4 **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 13:04

Laboratory Data

Lab Sample: 2503126-04
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	1.57		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
MeFOSE	24448-09-7	ND	15.7		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
EtFOSE	1691-99-2	ND	15.7		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	81.7	10 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C5-PFPeA	IS	87.0	40 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C2-4:2 FTS	IS	84.0	40 - 200		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C3-PFBS	IS	77.6	40 - 135		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C5-PFHxA	IS	80.5	40 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C4-PFHpA	IS	87.5	40 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C3-HFPO-DA	IS	84.0	40 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C2-6:2 FTS	IS	83.6	40 - 200		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C8-PFOA	IS	78.9	40 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C3-PFHxS	IS	81.7	40 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C9-PFNA	IS	74.0	40 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C2-8:2 FTS	IS	72.0	40 - 300		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C6-PFDA	IS	76.8	40 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
d3-MeFOSAA	IS	66.9	40 - 170		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C8-PFOS	IS	79.4	40 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
d5-EtFOSAA	IS	63.6	25 - 135		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C7-PFUnA	IS	71.8	30 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C8-PFOSA	IS	65.6	40 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C2-PFDoA	IS	57.2	10 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
13C2-PFTeDA	IS	59.2	10 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
d7-MeFOSE	IS	42.1	10 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
d3-MeFOSA	IS	28.6	10 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
d9-EtFOSE	IS	40.3	10 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1
d5-EtFOSA	IS	24.0	10 - 130		B25C162	24-Mar-25	0.509 L	26-Mar-25 23:36	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-5 **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 11:38

Laboratory Data

Lab Sample: 2503126-05
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.18		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFMPA	377-73-1	ND	3.09		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
3:3 FTCA	356-02-5	ND	7.72		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFPeA	2706-90-3	ND	3.09		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFMBA	863090-89-5	ND	3.09		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFBS	375-73-5	ND	1.37		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
4:2 FTS	757124-72-4	ND	5.79		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFHxA	307-24-4	ND	1.54		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFEESA	113507-82-7	ND	2.75		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFPeS	2706-91-4	ND	1.45		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
HFPO-DA	13252-13-6	ND	6.45		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
NFDHA	151772-58-6	ND	3.09		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
5:3 FTCA	914637-49-3	ND	38.6		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFHpA	375-85-9	ND	1.54		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
ADONA	919005-14-4	ND	6.10		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFHxS	355-46-4	ND	1.41		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
6:2 FTS	27619-97-2	ND	5.86		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFOA	335-67-1	ND	1.93		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFHpS	375-92-8	ND	1.47		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
7:3 FTCA	812-70-4	ND	38.6		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFNA	375-95-1	ND	1.54		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFOSA	754-91-6	ND	1.54		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFOS	1763-23-1	ND	1.44		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
9Cl-PF3ONS	756426-58-1	ND	6.02		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFDA	335-76-2	ND	1.54		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
8:2 FTS	39108-34-4	ND	5.93		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFNS	68259-12-1	ND	1.49		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
MeFOSAA	2355-31-9	ND	1.54		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
EtFOSAA	2991-50-6	ND	1.54		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFUnA	2058-94-8	ND	1.54		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFDS	335-77-3	ND	1.49		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
11Cl-PF3OUdS	763051-92-9	ND	5.79		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFDoA	307-55-1	ND	1.54		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
MeFOSA	31506-32-8	ND	1.54		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFTrDA	72629-94-8	ND	1.54		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFDoS	79780-39-5	ND	1.50		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
PFTeDA	376-06-7	ND	1.54		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1

Sample ID: MW-5

EPA Method 1633

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 11:38

Laboratory Data

Lab Sample: 2503126-05
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	1.54		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
MeFOSE	24448-09-7	ND	15.4		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
EtFOSE	1691-99-2	ND	15.4		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	87.8	10 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C5-PFPeA	IS	89.0	40 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C2-4:2 FTS	IS	83.0	40 - 200		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C3-PFBS	IS	86.3	40 - 135		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C5-PFHxA	IS	80.6	40 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C4-PFHpA	IS	89.1	40 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C3-HFPO-DA	IS	84.2	40 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C2-6:2 FTS	IS	87.3	40 - 200		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C8-PFOA	IS	81.5	40 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C3-PFHxS	IS	84.5	40 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C9-PFNA	IS	88.6	40 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C2-8:2 FTS	IS	76.5	40 - 300		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C6-PFDA	IS	85.9	40 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
d3-MeFOSAA	IS	74.9	40 - 170		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C8-PFOS	IS	85.6	40 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
d5-EtFOSAA	IS	76.8	25 - 135		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C7-PFUnA	IS	92.9	30 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C8-PFOSA	IS	72.0	40 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C2-PFDoA	IS	78.5	10 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
13C2-PFTeDA	IS	74.6	10 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
d7-MeFOSE	IS	46.3	10 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
d3-MeFOSA	IS	39.4	10 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
d9-EtFOSE	IS	44.7	10 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1
d5-EtFOSA	IS	28.6	10 - 130		B25C162	24-Mar-25	0.518 L	26-Mar-25 23:50	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-6 **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 12:35

Laboratory Data

Lab Sample: 2503126-06
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.00		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFMPA	377-73-1	ND	3.00		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
3:3 FTCA	356-02-5	ND	7.51		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFPeA	2706-90-3	ND	3.00		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFMBA	863090-89-5	ND	3.00		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFBS	375-73-5	ND	1.33		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
4:2 FTS	757124-72-4	ND	5.63		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFHxA	307-24-4	ND	1.50		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFEESA	113507-82-7	ND	2.67		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFPeS	2706-91-4	ND	1.41		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
HFPO-DA	13252-13-6	ND	6.27		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
NFDHA	151772-58-6	ND	3.00		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
5:3 FTCA	914637-49-3	ND	37.5		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFHpA	375-85-9	ND	1.50		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
ADONA	919005-14-4	ND	5.93		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFHxS	355-46-4	ND	1.37		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
6:2 FTS	27619-97-2	ND	5.69		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFOA	335-67-1	ND	1.88		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFHpS	375-92-8	ND	1.43		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
7:3 FTCA	812-70-4	ND	37.5		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFNA	375-95-1	ND	1.50		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFOSA	754-91-6	ND	1.50		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFOS	1763-23-1	ND	1.40		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
9Cl-PF3ONS	756426-58-1	ND	5.85		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFDA	335-76-2	ND	1.50		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
8:2 FTS	39108-34-4	ND	5.76		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFNS	68259-12-1	ND	1.44		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
MeFOSAA	2355-31-9	ND	1.50		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
EtFOSAA	2991-50-6	ND	1.50		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFUnA	2058-94-8	ND	1.50		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFDS	335-77-3	ND	1.44		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
11Cl-PF3OUdS	763051-92-9	ND	5.63		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFDoA	307-55-1	ND	1.50		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
MeFOSA	31506-32-8	ND	1.50		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFTrDA	72629-94-8	ND	1.50		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFDoS	79780-39-5	ND	1.45		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
PFTeDA	376-06-7	ND	1.50		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1

Sample ID: MW-6

EPA Method 1633

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 12:35

Laboratory Data

Lab Sample: 2503126-06
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	1.50		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
MeFOSE	24448-09-7	ND	15.0		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
EtFOSE	1691-99-2	ND	15.0		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	111	10 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C5-PFPeA	IS	111	40 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C2-4:2 FTS	IS	113	40 - 200		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C3-PFBS	IS	104	40 - 135		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C5-PFHxA	IS	109	40 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C4-PFHpA	IS	109	40 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C3-HFPO-DA	IS	107	40 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C2-6:2 FTS	IS	100	40 - 200		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C8-PFOA	IS	101	40 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C3-PFHxS	IS	109	40 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C9-PFNA	IS	115	40 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C2-8:2 FTS	IS	116	40 - 300		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C6-PFDA	IS	108	40 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
d3-MeFOSAA	IS	98.8	40 - 170		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C8-PFOS	IS	109	40 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
d5-EtFOSAA	IS	97.0	25 - 135		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C7-PFUnA	IS	108	30 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C8-PFOSA	IS	87.5	40 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C2-PFDoA	IS	96.2	10 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
13C2-PFTeDA	IS	92.4	10 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
d7-MeFOSE	IS	60.0	10 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
d3-MeFOSA	IS	55.7	10 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
d9-EtFOSE	IS	61.1	10 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1
d5-EtFOSA	IS	42.3	10 - 130		B25C162	24-Mar-25	0.533 L	27-Mar-25 00:04	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-7 **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 12:09

Laboratory Data

Lab Sample: 2503126-07
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.21		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFMPA	377-73-1	ND	3.10		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
3:3 FTCA	356-02-5	ND	7.76		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFPeA	2706-90-3	ND	3.10		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFMBA	863090-89-5	ND	3.10		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFBS	375-73-5	ND	1.38		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
4:2 FTS	757124-72-4	ND	5.82		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFHxA	307-24-4	ND	1.55		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFEESA	113507-82-7	ND	2.76		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFPeS	2706-91-4	ND	1.46		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
HFPO-DA	13252-13-6	ND	6.48		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
NFDHA	151772-58-6	ND	3.10		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
5:3 FTCA	914637-49-3	ND	38.8		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFHpA	375-85-9	ND	1.55		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
ADONA	919005-14-4	ND	6.13		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFHxS	355-46-4	ND	1.42		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
6:2 FTS	27619-97-2	ND	5.89		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFOA	335-67-1	ND	1.94		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFHpS	375-92-8	ND	1.47		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
7:3 FTCA	812-70-4	ND	38.8		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFNA	375-95-1	ND	1.55		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFOSA	754-91-6	ND	1.55		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFOS	1763-23-1	ND	1.45		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
9Cl-PF3ONS	756426-58-1	ND	6.05		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFDA	335-76-2	ND	1.55		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
8:2 FTS	39108-34-4	ND	5.96		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFNS	68259-12-1	ND	1.49		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
MeFOSAA	2355-31-9	ND	1.55		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
EtFOSAA	2991-50-6	ND	1.55		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFUnA	2058-94-8	ND	1.55		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFDS	335-77-3	ND	1.49		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
11Cl-PF3OUdS	763051-92-9	ND	5.82		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFDoA	307-55-1	ND	1.55		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
MeFOSA	31506-32-8	ND	1.55		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFTrDA	72629-94-8	ND	1.55		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFDoS	79780-39-5	ND	1.50		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
PFTeDA	376-06-7	ND	1.55		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1

Sample ID: MW-7 **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 12:09

Laboratory Data

Lab Sample: 2503126-07
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	1.55		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
MeFOSE	24448-09-7	ND	15.5		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
EtFOSE	1691-99-2	ND	15.5		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	93.5	10 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C5-PFPeA	IS	92.6	40 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C2-4:2 FTS	IS	95.4	40 - 200		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C3-PFBS	IS	97.0	40 - 135		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C5-PFHxA	IS	95.2	40 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C4-PFHpA	IS	101	40 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C3-HFPO-DA	IS	86.6	40 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C2-6:2 FTS	IS	103	40 - 200		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C8-PFOA	IS	91.5	40 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C3-PFHxS	IS	94.7	40 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C9-PFNA	IS	86.4	40 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C2-8:2 FTS	IS	82.1	40 - 300		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C6-PFDA	IS	88.5	40 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
d3-MeFOSAA	IS	81.0	40 - 170		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C8-PFOS	IS	90.6	40 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
d5-EtFOSAA	IS	78.5	25 - 135		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C7-PFUnA	IS	78.6	30 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C8-PFOSA	IS	82.0	40 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C2-PFDoA	IS	73.9	10 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
13C2-PFTeDA	IS	71.5	10 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
d7-MeFOSE	IS	49.8	10 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
d3-MeFOSA	IS	43.1	10 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
d9-EtFOSE	IS	47.2	10 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1
d5-EtFOSA	IS	36.3	10 - 130		B25C162	24-Mar-25	0.515 L	27-Mar-25 00:18	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-8 **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 13:31

Laboratory Data

Lab Sample: 2503126-08
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	6.02		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFMPA	377-73-1	ND	3.01		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
3:3 FTCA	356-02-5	ND	7.53		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFPeA	2706-90-3	ND	3.01		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFMBA	863090-89-5	ND	3.01		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFBS	375-73-5	ND	1.34		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
4:2 FTS	757124-72-4	ND	5.65		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFHxA	307-24-4	ND	1.51		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFEESA	113507-82-7	ND	2.68		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFPeS	2706-91-4	ND	1.41		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
HFPO-DA	13252-13-6	ND	6.29		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
NFDHA	151772-58-6	ND	3.01		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
5:3 FTCA	914637-49-3	ND	37.6		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFHpA	375-85-9	ND	1.51		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
ADONA	919005-14-4	ND	5.95		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFHxS	355-46-4	ND	1.37		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
6:2 FTS	27619-97-2	ND	5.71		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFOA	335-67-1	ND	1.88		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFHpS	375-92-8	ND	1.43		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
7:3 FTCA	812-70-4	ND	37.6		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFNA	375-95-1	ND	1.51		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFOSA	754-91-6	ND	1.51		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFOS	1763-23-1	ND	1.40		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
9Cl-PF3ONS	756426-58-1	ND	5.87		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFDA	335-76-2	ND	1.51		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
8:2 FTS	39108-34-4	ND	5.78		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFNS	68259-12-1	ND	1.45		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
MeFOSAA	2355-31-9	ND	1.51		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
EtFOSAA	2991-50-6	ND	1.51		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFUnA	2058-94-8	ND	1.51		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFDS	335-77-3	ND	1.45		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
11Cl-PF3OUdS	763051-92-9	ND	5.65		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFDoA	307-55-1	ND	1.51		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
MeFOSA	31506-32-8	ND	1.51		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFTrDA	72629-94-8	ND	1.51		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFDoS	79780-39-5	ND	1.46		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
PFTeDA	376-06-7	ND	1.51		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1

Sample ID: MW-8

EPA Method 1633

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 13:31

Laboratory Data

Lab Sample: 2503126-08
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	1.51		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
MeFOSE	24448-09-7	ND	15.1		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
EtFOSE	1691-99-2	ND	15.1		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	94.1	10 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C5-PFPeA	IS	93.4	40 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C2-4:2 FTS	IS	91.4	40 - 200		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C3-PFBS	IS	91.2	40 - 135		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C5-PFHxA	IS	90.2	40 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C4-PFHpA	IS	94.5	40 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C3-HFPO-DA	IS	91.7	40 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C2-6:2 FTS	IS	96.2	40 - 200		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C8-PFOA	IS	89.0	40 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C3-PFHxS	IS	92.1	40 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C9-PFNA	IS	87.0	40 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C2-8:2 FTS	IS	88.8	40 - 300		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C6-PFDA	IS	89.5	40 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
d3-MeFOSAA	IS	85.1	40 - 170		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C8-PFOS	IS	95.8	40 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
d5-EtFOSAA	IS	72.6	25 - 135		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C7-PFUnA	IS	89.3	30 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C8-PFOSA	IS	61.6	40 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C2-PFDoA	IS	69.8	10 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
13C2-PFTeDA	IS	63.8	10 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
d7-MeFOSE	IS	41.0	10 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
d3-MeFOSA	IS	39.1	10 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
d9-EtFOSE	IS	42.4	10 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1
d5-EtFOSA	IS	33.9	10 - 130		B25C162	24-Mar-25	0.531 L	27-Mar-25 00:31	1

RL - Reporting limit

Results reported to RL.

Sample ID: MW-9 **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 14:31

Laboratory Data

Lab Sample: 2503126-09
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	11.1	6.24		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFMPA	377-73-1	ND	3.12		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
3:3 FTCA	356-02-5	ND	7.80		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFPeA	2706-90-3	25.1	3.12		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFMBA	863090-89-5	ND	3.12		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFBS	375-73-5	14.1	1.38		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
4:2 FTS	757124-72-4	ND	5.85		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFHxA	307-24-4	20.2	1.56		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFEESA	113507-82-7	ND	2.78		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFPeS	2706-91-4	2.44	1.46		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
HFPO-DA	13252-13-6	ND	6.51		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
NFDHA	151772-58-6	ND	3.12		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
5:3 FTCA	914637-49-3	ND	39.0		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFHpA	375-85-9	4.22	1.56		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
ADONA	919005-14-4	ND	6.16		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFHxS	355-46-4	7.17	1.42		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
6:2 FTS	27619-97-2	ND	5.92		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFOA	335-67-1	6.34	1.95		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFHpS	375-92-8	ND	1.48		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
7:3 FTCA	812-70-4	ND	39.0		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFNA	375-95-1	ND	1.56		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFOSA	754-91-6	ND	1.56		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFOS	1763-23-1	1.48	1.45		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
9Cl-PF3ONS	756426-58-1	ND	6.08		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFDA	335-76-2	ND	1.56		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
8:2 FTS	39108-34-4	ND	5.99		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFNS	68259-12-1	ND	1.50		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
MeFOSAA	2355-31-9	ND	1.56		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
EtFOSAA	2991-50-6	ND	1.56		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFUnA	2058-94-8	ND	1.56		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFDS	335-77-3	ND	1.50		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
11Cl-PF3OUdS	763051-92-9	ND	5.85		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFDoA	307-55-1	ND	1.56		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
MeFOSA	31506-32-8	ND	1.56		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFTrDA	72629-94-8	ND	1.56		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFDoS	79780-39-5	ND	1.51		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
PFTeDA	376-06-7	ND	1.56		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1

Sample ID: MW-9

EPA Method 1633

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Aqueous
Date Collected: 12-Mar-25 14:31

Laboratory Data

Lab Sample: 2503126-09
Date Received: 14-Mar-25 09:29
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	4151-50-2	ND	1.56		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
MeFOSE	24448-09-7	ND	15.6		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
EtFOSE	1691-99-2	ND	15.6		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	88.0	10 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C5-PFPeA	IS	89.7	40 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C2-4:2 FTS	IS	90.1	40 - 200		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C3-PFBS	IS	82.7	40 - 135		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C5-PFHxA	IS	89.1	40 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C4-PFHpA	IS	92.0	40 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C3-HFPO-DA	IS	89.9	40 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C2-6:2 FTS	IS	74.8	40 - 200		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C8-PFOA	IS	85.6	40 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C3-PFHxS	IS	83.0	40 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C9-PFNA	IS	78.1	40 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C2-8:2 FTS	IS	80.2	40 - 300		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C6-PFDA	IS	79.9	40 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
d3-MeFOSAA	IS	77.8	40 - 170		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C8-PFOS	IS	86.1	40 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
d5-EtFOSAA	IS	77.5	25 - 135		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C7-PFUnA	IS	72.5	30 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C8-PFOSA	IS	74.3	40 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C2-PFDoA	IS	66.6	10 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
13C2-PFTeDA	IS	59.0	10 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
d7-MeFOSE	IS	48.7	10 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
d3-MeFOSA	IS	36.9	10 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
d9-EtFOSE	IS	48.5	10 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1
d5-EtFOSA	IS	29.4	10 - 130		B25C162	24-Mar-25	0.513 L	27-Mar-25 00:45	1

RL - Reporting limit

Results reported to RL.

DATA QUALIFIERS & ABBREVIATIONS
For EPA 1633

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
I	Ion transition ratio is outside of the acceptance criteria.
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	Recovery and/or RPD was outside laboratory acceptance limits
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

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

Enthalpy Analytical - EDH Certifications

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

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

ENTHALPY ANALYTICAL

CHAIN OF CUSTODY

PFAS Methods

For Laboratory Use Only
Work Order #: 2503126 Temp: 1.1 °C
Storage ID: R-13, WF-2, WR-1 Storage Secured: ☑ Yes ☐ No

Project ID: Paseo Real WRF PO#: DB24.1212 Sampler: Brandon Constand (name)

TAT (check one): Standard: ☐ 21 days Rush (surcharge may apply) ☐ 14 days ☐ 7 days Other:

Invoice to: Name	Company	Address	City	State	Phone #
Amy Ewing	Hazen and Sawyer	100 Sun AVE NE, Suite 206,	Albuquerque	New Mexico 87109	505-217-7152

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
Brandon Constand BC	3/13/25	14:00	Jennifer Torres JT	03/14/25	0929
Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time

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

ATTN:

Method of Shipment: FedEx

Tracking No.:

Add Analysis(es) Requested

Requirements:
☐ State-specific (list state):
☐ DoD QSM Compliant
☐ PFAS List Below (or attach compound list):

Sample ID	Date	Time	Location/ Sample Description	Container(s) Quantity	Type	Matrix	PFAS by Isotope Dilution Drinking Water	PFAS by Isotope Dilution EPA 1633-Draft	EPA 1633 FINAL	DoD QSM Table B-15	Other:	EPA 533	EPA 537.1	List of 29 (537.1 + 533)
MW-1	3/12/25	13:44	3 Bottles			AQ			X					
MW-2		10:58							X					
MW-3		10:22							X					
MW-4		13:04							X					
MW-5		11:38							X					
MW-6		12:35							X					
MW-7		12:09							X					
MW-8		13:31							X					
MW-9		14:31							X					

Other Instructions/ Comments:
Also Send Copy of Report to Pfeltman@geo-logic.com

SEND DOCUMENTATION AND RESULTS TO:
Name: Amy Ewing
Company: Hazen and Sawyer
Address: 100 Sun AVE, Suite 206
City: Albuquerque State: NM Zip: 87109
Phone: 505-217-7152
Email: aewing@hazenandsawyer.com

Container Types: P= HDPE, PJ= HDPE Jar, PY= Polypropylene, O = Other:
Bottle Preservation Type: TZ = Trizma, AA = Amm. Acetate:
Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, SD = Sediment, T=Tissue, SL = Sludge, SO = Soil, WW = Wastewater, O = Other:

CoC/Label Reconciliation Report WO# 2503126

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2503126-01	A MW-1	☑		12-Mar-25 13:44	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-01	B MW-1	☑		12-Mar-25 13:44	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-01	C MW-1	☑		12-Mar-25 13:44	☑	HDPE Bottle, 125 mL	Aqueous	
2503126-02	A MW-2	☑		12-Mar-25 10:58	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-02	B MW-2	☑		12-Mar-25 10:58	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-02	C MW-2	☑		12-Mar-25 10:58	☑	HDPE Bottle, 125 mL	Aqueous	
2503126-03	A MW-3	☐ (A)		12-Mar-25 10:22	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-03	B MW-3	☐		12-Mar-25 10:22	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-03	C MW-3	☑		12-Mar-25 10:22	☑	HDPE Bottle, 125 mL	Aqueous	
2503126-04	A MW-4	☑		12-Mar-25 13:04	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-04	B MW-4	☑		12-Mar-25 13:04	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-04	C MW-4	☑		12-Mar-25 13:04	☑	HDPE Bottle, 125 mL	Aqueous	
2503126-05	A MW-5	☑		12-Mar-25 11:38	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-05	B MW-5	☑		12-Mar-25 11:38	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-05	C MW-5	☑		12-Mar-25 11:38	☑	HDPE Bottle, 125 mL	Aqueous	
2503126-06	A MW-6	☑		12-Mar-25 12:35	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-06	B MW-6	☑		12-Mar-25 12:35	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-06	C MW-6	☑		12-Mar-25 12:35	☑	HDPE Bottle, 125 mL	Aqueous	
2503126-07	A MW-7	☑		12-Mar-25 12:09	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-07	B MW-7	☑		12-Mar-25 12:09	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-07	C MW-7	☑		12-Mar-25 12:09	☑	HDPE Bottle, 125 mL	Aqueous	
2503126-08	A MW-8	☑		12-Mar-25 13:31	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-08	B MW-8	☑		12-Mar-25 13:31	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-08	C MW-8	☑		12-Mar-25 13:31	☑	HDPE Bottle, 125 mL	Aqueous	
2503126-09	A MW-9	☑		12-Mar-25 14:31	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-09	B MW-9	☑		12-Mar-25 14:31	☑	HDPE Bottle, 500 mL	Aqueous	
2503126-09	C MW-9	☑		12-Mar-25 14:31	☑	HDPE Bottle, 125 mL	Aqueous	

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

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

Comments: (A) Sample ID missing from label.

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: JT 03/14/25
MWS 03/14/25