DBS&A
a Geo-Logic Company

October 23, 2024

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

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

Dear Ms. Ewing:

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

Background

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

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

During the second quarter groundwater monitoring event conducted in June 2024, poly- and perfluoroalkyl substances (PFAS) analytes were detected in samples collected from two of the seven sampled wells (MW-1 and MW-4A). 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 third quarter groundwater monitoring event conducted on September 11, 2024.

Sampling Analytes

This water quality sampling was performed to evaluate whether there is PFAS contamination in groundwater below the former sludge disposal facility. PFAS analytes and their acronyms are listed in Table 1. PFAS analytes with detections in September 2024 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 September 11, 2024. The quarterly monitoring event included measurement of water levels and collection of groundwater samples from monitor wells associated with the site (MW-1 through MW-7) (Figure 1). One duplicate sample and 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).

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 0.0013 foot per foot (ft/ft), which is consistent with the June 2024 monitoring event.

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 (9.93 nanograms per liter [ng/L]), PFPeA (23.9 ng/L), PFHxA (20.8 ng/L), PFHpA (3.90 ng/L), PFOA (5.85 ng/L), PFBS (11.3 ng/L), PFPeS (2.32 ng/L), and PFHxS (7.23 ng/L)
- MW-3: PFOSA (1.76 ng/L)
- MW-4A: PFBS (2.36 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 2024 monitoring event. 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. The presence of PFOSA in the sample collected from MW-3 is not expected due to the location of MW-3 on the upgradient (northeast) side of the facility and because PFOSA was not detected in samples collected from the other site monitor wells. PFOSA was not detected in any of the samples collected in June 2024. DBS&A will closely monitor PFOSA in MW-3 during future monitoring events to evaluate its source.

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

Conclusions and Recommendations

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

- Groundwater beneath the site continues to flow to the southwest.
- PFAS were detected in samples collected from MW-1 (eight analytes), MW-3 (one analyte), and MW-4A (one analyte) at concentrations below the NMED screening levels.

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

Closing

This letter report serves as the deliverable for the third 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). 2024. 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.

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

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Base image source: Google Earth Pro, March 2021

Figure 1

CITY OF SANTA FE
PASEO REAL WATER RECLAMATION FACILITY
Site Map

DBS&A
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9/6/2024
DB24.1212

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Base image source: Google Earth Pro, March 2021

CITY OF SANTA FE
PASEO REAL WATER RECLAMATION FACILITY

Potentiometric Surface Elevations
September 11, 2024

Figure 2

DBS&A
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10/4/2024 DB24.1212

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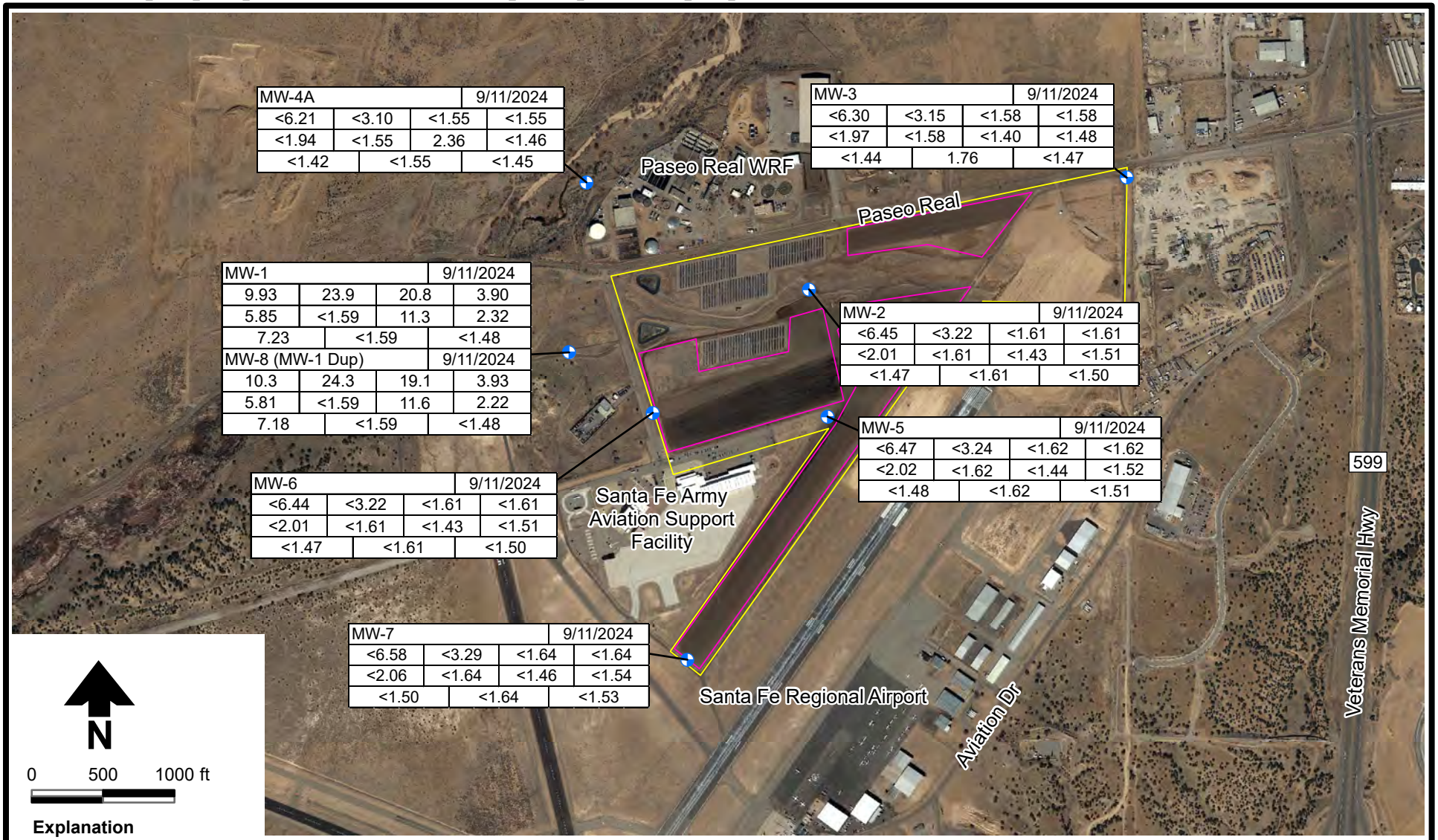

Explanation

- Monitor well
- Approximate area of land application after 2010
- Approximate area of land application prior to 2010

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

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

Base image source: Google Earth Pro, March 2021

CITY OF SANTA FE
PASEO REAL WATER RECLAMATION FACILITY
Distribution of PFAS Contaminants
September 11, 2024

Figure 3

DBS&A a Geo-Logic Company

10/15/2024 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

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
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
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
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
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
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
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
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

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
MW-2	6,301.40	170	130-150	6/20/2024	146.81	6,154.59
				9/11/2024	146.60	6,154.80
MW-3	6,339.16	214	194-214	6/20/2024	179.89	6,159.27
				9/11/2024	179.72	6,159.44
MW-4A	Unknown	Unknown	Unknown	6/20/2024	117.84	NA
				9/11/2024	117.64	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
MW-6	6,327.65	186	166-186	6/20/2024	174.00	6,153.65
				9/11/2024	173.76	6,153.89
MW-7	6,325.24	215	166-186	6/20/2024	172.69	6,152.55
				9/11/2024	172.49	6,152.75

[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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9/11/24

J. FISHER
B. CONSTAN

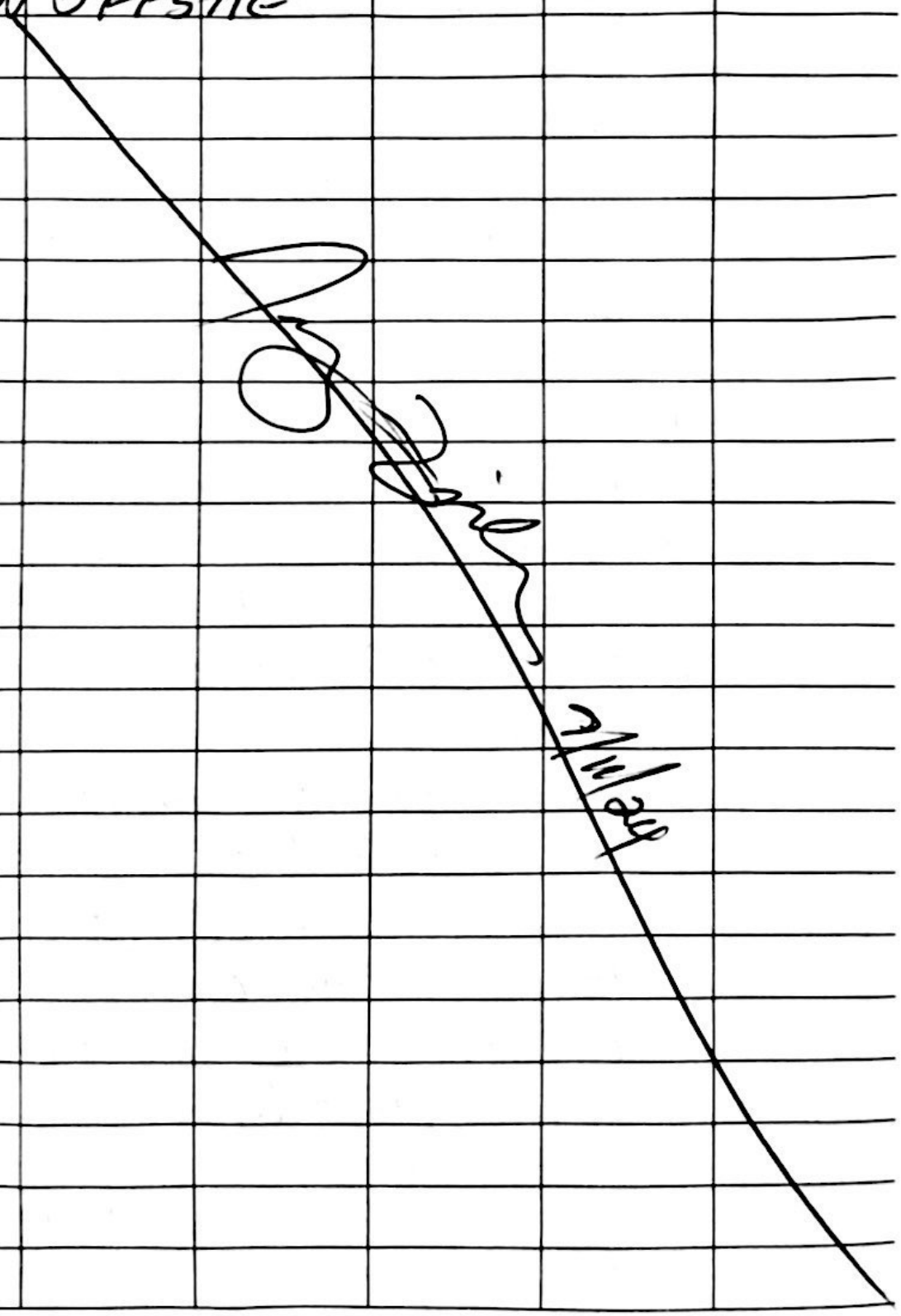
0855 ONSITE @ PRWRF. CHECK IN & GOT KEYS.
0905 SET UP TO SAMPLE MW-3.
0940 COLLECT MW-3 SAMPLE. MOVE TO MW-2.
1020 COLLECT MW-2 SAMPLE. MOVE TO MW-5.
1045 THE WATER LEVEL INDICATOR IS STUCK IN THE WELL @ ~103'
1053 WATER LEVEL INDICATOR IS FREE. PREPARING TO COLLECT FIELD BLANK.
1100 COLLECT FIELD BLANK FB-1. PREPARED TO PURGE & SAMPLE MW-5.
1108 COLLECT MW-5 SAMPLE.
1115 MOVE TO MW-7.
1150 COLLECT SAMPLE MW-7. MOVE TO MW-6.
1220 COLLECT MW-6 SAMPLE. MOVE TO MW-1.
1250 COLLECT MW-1 SAMPLE & DUPLICATE SAMPLE MW-8. MOVE TO MW-4.

9/11/24 — JF, BC

1320 COLLECT MW-4 SAMPLE.

1350 HEAD TO ADMIN BUILDING TO SIGN OUT + RETURN KEYS.

1400 OFFSITE



Daniel B. Stephens & Associates, Inc.

GROUNDWATER METER CALIBRATION SHEET

Project Name: Santa Fe -PRWRF Sampler: J. Fisher

Project #: DB24.1212 Date: 09/11/2024

Project Manager: P. Feltman

pH		Temp (°C)	Comments
(4) 4.01	4.01	25.0	
(7) 7.00	7.00	25.6	
(10) 9.99	10.04	25.6	
SpCon (µs/cm)		Temp (°C)	Comments
(1413) 1413	1413	25.7	
ORP (mv)		Temp (°C)	Comments
220.5	220.6	24.5	
Dissolved O_2		Temp (°C)	Comments
(%) 80.3		21.9	
(mg/L) 7.06		21.9	
Pressure		Temp (°C)	Comments
(mmHg) 605.0		21.9	

Comments: Ysi SN: 22B106626

Daniel B. Stephens & Associates, Inc.

GROUNDWATER ELEVATION DATA SHEET

Project Name: Paseo Real WRF Sampler: J. Fisher

Project #: DB24.1212.00 Sample Date: 9/11/24

Project Manager: J. Fisher/P. Fetterman Sheet # 1 of 1

Well ID	Depth to NAPL	Depth to Water	Total Depth	Comments: (well dia., sampled, condition)
MW-3	—	179.72	214	5"
MW-2	—	146.60	170	5"
MW-5		187.55	204	4"
MW-7	—	172.49	200	4"
MW-6	—	173.74	184	4"
MW-1	—	128.39	150	4.5"
MW-4	—	117.64	135	4"

Comments:

Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF
Project #: DB24.1212.00
Project Manager: J. Fisher/P. Fullman

Sampler: J. Fisher, T. Del Prete, B. Constand
Sample Date: 9/11/24
Sample Time: 0940

Well #: MW-3
Well Diameter: 5" (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: 179.72 (feet btoc)
Total Depth of Well: 214 (feet)

Height of Water Column: 34.28 (feet)
Casing Volume: 34.97 (gal)
Purge Volume: 104.9 (gal)
Purge Method: Dedicated Submersible Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity ~~(NTU)~~
Initial	7.04	15.5	2297.0	156.5	5.22	Clear
1	7.95	16.2	256.3	115.8	5.38	Clear
2		DRY @ ~40 GAL				
3						

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

Physical Observations: Clear, No Odor

Analytical Method(s): 8260

Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Rio Rancho WRF
Project #: 0024.1212.00
Project Manager: J. Fisher / P. Foldan

Sampler: J. Fisher, T. Del Prete, B. Constand
Sample Date: 9/11/24
Sample Time: 1010

Well #: MW-2
Well Diameter: 5 (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: 146.60 (feet btoc)
Total Depth of Well: 170 (feet)

Height of Water Column: 23.40 (feet)
Casing Volume: 23.87 (gal)
Purge Volume: 71.60 (gal)
Purge Method: Dedicated Submersible Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity ~~(NTU)~~
Initial	7.77	16.3	218.0	117.1	6.25	CLEAR
1	7.61	16.2	218.2	105.8	6.30	CLEAR
2	7.59	16.1	217.8	98.9	6.13	CLEAR
3	7.62	16.1	217.9	96.3	6.17	CLEAR

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

Physical Observations: Clear, No Odor

Analytical Method(s): PFAS

Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Paseo Real WRF
Project #: DB24.1212.00
Project Manager: J. Fisher, P. Feltman

Sampler: J. Fisher, B. Constand
Sample Date: 9/11/24
Sample Time: 1108

Well #: MW-5
Well Diameter: 4 (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: 187.55 (feet btoc)
Total Depth of Well: 204 (feet)

Height of Water Column: 16.45 (feet)
Casing Volume: 10.69 (gal)
Purge Volume: 32.10 (gal)
Purge Method: Dedicated Submersible Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity ~~(NTU)~~
Initial	7.73	16.4	1871	106.4	7.43	CLEAR
1	7.88	16.4	187.2	104.2	6.87	CLEAR
2	7.94	16.4	187.2	101.9	6.70	CLEAR
3	7.96	16.5	187.1	101.2		CLEAR

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

Physical Observations: Clear, No Odor

Analytical Method(s): PFAS

Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: PRWRF
Project #: DB24.1212.00
Project Manager: P. ~~Barlow~~ Feltman/J. Fisher
Sampler: J. Fisher, B. Constand
Sample Date: 9/11/24
Sample Time: 1150

Well #: MW-7
Well Diameter: 4 (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: 172.49 (feet btoc)
Total Depth of Well: 200 (feet)
Height of Water Column: 27.51 (feet)
Casing Volume: 17.88 (gal)
Purge Volume: 53.6 (gal)
Purge Method: Dedicated Submersible Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity ~~(NTU)~~
Initial	7.87	15.7	208.4	102.1	—	Clear
1	7.95	16.9	144.3	170.0	5.64	Clear
2	7.98	16.6	210.9	163.0	5.61	Clear
3	7.92	16.6	205.5			Clear

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

Physical Observations: Clear, No Odor

Analytical Method(s): PFAS 1633

Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: PRWRF
Project #: DB24,1212.00
Project Manager: P. Fehrman/J. Fisher

Sampler: J. Fisher / B. Constant
Sample Date: 9/11/24
Sample Time: 1220

Well #: MW-4
Well Diameter: 4 (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: 173.76 (feet btoc)
Total Depth of Well: 186 (feet)

Height of Water Column: 12.24 (feet)
Casing Volume: 7.96 (gal)
Purge Volume: 23.87 (gal)
Purge Method: Dedicated Submersible Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	7.74	16.0	190.1	164.6	2.70	Clear
1	7.69	16.2	195.3	156.0	4.25	Clear
2		Dry @ ~ 17 Gallons				
3						

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

Physical Observations: Clear, No Odor

Analytical Method(s): PFAS 1633

Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: PRWCF
Project #: DBS24.1212.00
Project Manager: J. Fisher / P. Fortman

Sampler: J. Fisher / B. Constant
Sample Date: 9/11/24
Sample Time: 1250

Well #: MW-1
Well Diameter: 4.5 (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: 128.39 (feet btoc)
Total Depth of Well: 150 (feet)

Height of Water Column: 21.61 (feet)
Casing Volume: 17.72 (gal)
Purge Volume: 53.16 (gal)
Purge Method: Dedicated Submersible Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity ~~(NTU)~~
Initial	7.36	16.1	~~641~~ 641	64.1	5.59	CLEAR
1	7.37	16.0	615	~~58.1~~	5.63	CLEAR
2	7.37	16.0	~~598~~	58.2	5.48	CLEAR
3	7.40	16.0	604	61.9	5.07	CLEAR

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

Physical Observations: Clear, No Odor

Analytical Method(s): PFAS 1633

Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: PRWRF
Project #: DB24.1212.00
Project Manager:

Sampler: J. Fisher
Sample Date: 9/11/24
Sample Time: 1320

Well #: MW-4
Well Diameter: 4" (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: ~~13.64~~ 17.64 (feet btoc)
Total Depth of Well: 135 (feet)

Height of Water Column: 17.36 (feet)
Casing Volume: 11.28 (gal)
Purge Volume: ~~9.33~~ 33.84 (gal)
Purge Method: Dedicated Submersible Pump

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

Groundwater Parameters:

Casing Volume	pH	Temp (°F)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity ~~(NTU)~~
Initial	7.25	16.9	376.4	71.5	4.75	CLEAR
1	7.16	16.7	376.9	67.9	4.88	CLEAR
2	7.15	16.7	376.2	71.8	5.06	CLEAR
3	7.14	16.7	374.6	59.7	5.50	CLEAR

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

Physical Observations: Clear, No Odor

Analytical Method(s): PFAS 1633

Attachment 2

Laboratory Analytical Report

DBS&A
a Geo-Logic Company

September 30, 2024

Enthalpy Analytical - El Dorado Hills
Work Order No. 2409157

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 September 17, 2024 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,

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. 2409157
Case Narrative

Sample Condition on Receipt:

Nine 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. No sample collection date was noted on the Chain-of-Custody (CoC) for all samples, except "MW-3"; the collection date has been reported as listed on the sample label.

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

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

TABLE OF CONTENTS

Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2409157-01	MW-3	11-Sep-24 09:40	17-Sep-24 09:08	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2409157-02	MW-2	11-Sep-24 10:10	17-Sep-24 09:08	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2409157-03	MW-5	11-Sep-24 11:08	17-Sep-24 09:08	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2409157-04	FB-1	11-Sep-24 11:00	17-Sep-24 09:08	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2409157-05	MW-7	11-Sep-24 11:50	17-Sep-24 09:08	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2409157-06	MW-6	11-Sep-24 12:20	17-Sep-24 09:08	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2409157-07	MW-1	11-Sep-24 12:50	17-Sep-24 09:08	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2409157-08	MW-8	11-Sep-24 12:50	17-Sep-24 09:08	HDPE Bottle, 500 mL
				HDPE Bottle, 500 mL
				HDPE Bottle, 125 mL
2409157-09	MW-4	11-Sep-24 13:20	17-Sep-24 09:08	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: B24I072-BLK1
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	6.40		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFMPA	ND	3.20		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
3:3 FTCA	ND	8.00		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFPeA	ND	3.20		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFMBA	ND	3.20		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFBS	ND	1.42		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
4:2 FTS	ND	6.00		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFHxA	ND	1.60		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFEESA	ND	2.85		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFPeS	ND	1.50		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
HFPO-DA	ND	6.68		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
NFDHA	ND	3.20		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
5:3 FTCA	ND	40.0		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFHpA	ND	1.60		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
ADONA	ND	6.32		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFHxS	ND	1.46		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
6:2 FTS	ND	6.07		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFOA	ND	2.00		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFHpS	ND	1.52		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
7:3 FTCA	ND	40.0		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFNA	ND	1.60		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFOSA	ND	1.60		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFOS	ND	1.49		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
9Cl-PF3ONS	ND	6.24		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFDA	ND	1.60		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
8:2 FTS	ND	6.14		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFNS	ND	1.54		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
MeFOSAA	ND	1.60		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
EtFOSAA	ND	1.60		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFUnA	ND	1.60		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFDS	ND	1.54		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
11Cl-PF3OUdS	ND	6.00		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFDoA	ND	1.60		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
MeFOSA	ND	1.60		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFTrDA	ND	1.60		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFDoS	ND	1.55		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
PFTeDA	ND	1.60		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
EtFOSA	ND	1.60		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1

Sample ID: Method Blank

EPA Method 1633

Client Data

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

Laboratory Data

Lab Sample: B24I072-BLK1
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSE	ND	16.0		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
EtFOSE	ND	16.0		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	112	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C5-PFPeA	IS	98.1	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C2-4:2 FTS	IS	93.1	40 - 200		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C3-PFBS	IS	105	40 - 135		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C5-PFHxA	IS	103	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C4-PFHpA	IS	108	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C3-HFPO-DA	IS	111	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C2-6:2 FTS	IS	89.7	40 - 200		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C8-PFOA	IS	87.5	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C3-PFHxS	IS	102	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C9-PFNA	IS	102	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C2-8:2 FTS	IS	93.3	40 - 300		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C6-PFDA	IS	96.2	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
d3-MeFOSAA	IS	110	40 - 170		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C8-PFOS	IS	110	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
d5-EtFOSAA	IS	92.7	25 - 135		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C7-PFUnA	IS	99.2	30 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C8-PFOSA	IS	74.3	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C2-PFDoA	IS	77.9	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
13C2-PFTeDA	IS	75.4	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
d7-MeFOSE	IS	56.6	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
d3-MeFOSA	IS	50.8	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
d9-EtFOSE	IS	57.1	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1
d5-EtFOSA	IS	52.0	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:19	1

RL - Reporting limit

Results reported to RL.

Sample ID: LCSD **EPA Method 1633**

Name:	Hazen & Sawyer	Lab Sample:	B24I072-BS1/B24I072-BSD1
Project:	Paseo Real WRF	QC Batch:	B24I072
Matrix:	Aqueous	Samp Size:	0.500/0.500 L
		Date Extracted:	23-Sep-24
		Column:	BEH C18

Analyte	LCS (ng/L)	LCS Spike	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
PFBA	20.7	20.0	104		20.9	20.0	105	0.773		70-140	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFMPA	11.6	10.0	116		11.1	10.0	111	5.09		55-140	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
3:3 FTCA	21.4	25.0	85.5		21.2	25.0	84.9	0.606		65-130	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFPeA	11.7	10.0	117		11.9	10.0	119	1.94		65-135	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFMBA	10.1	10.0	101		10.9	10.0	109	7.09		60-150	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFBS	4.55	4.44	102		4.05	4.44	91.3	11.5		60-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
4:2 FTS	20.7	18.8	110		20.8	18.8	111	0.290		70-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFHxA	4.97	5.00	99.5		5.18	5.00	104	4.10		70-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFEESA	8.77	8.88	98.8		8.79	8.88	99.0	0.228		70-140	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFPeS	4.90	4.72	104		4.87	4.72	103	0.532		65-140	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
HFPO-DA	20.4	21.2	96.3		21.2	21.2	100	3.91		70-140	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
NFDHA	11.6	10.0	116		10.6	10.0	106	9.01		50-150	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
5:3 FTCA	119	125	95.7		117	125	93.4	2.41		70-135	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFHpA	4.96	5.00	99.1		4.91	5.00	98.2	0.892		70-150	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
ADONA	20.0	20.0	100		18.6	20.0	93.0	7.21		65-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFHxS	4.93	4.56	108		5.22	4.56	114	5.67		65-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
6:2 FTS	21.1	19.0	111		21.0	19.0	110	0.675		65-155	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFOA	5.39	5.00	108		5.60	5.00	112	3.79		70-150	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFHpS	4.75	4.76	99.7		4.73	4.76	99.4	0.274		70-150	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
7:3 FTCA	105	125	84.3		99.2	125	79.5	5.87		50-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFNA	5.84	5.00	117		5.79	5.00	116	0.894		70-150	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFOSA	4.91	5.00	98.2		4.83	5.00	96.6	1.64		70-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFOS	5.04	4.64	109		4.89	4.64	105	2.96		55-150	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
9Cl-PF3ONS	19.5	19.8	98.5		19.7	19.8	99.7	1.26		70-155	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFDA	5.32	5.00	106		5.09	5.00	102	4.49		70-140	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
8:2 FTS	19.7	19.2	103		19.4	19.2	101	1.62		60-150	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFNS	5.17	4.80	108		4.87	4.80	102	5.84		65-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
MeFOSAA	5.41	5.00	108		4.74	5.00	94.8	13.1		50-140	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
EtFOSAA	4.96	5.00	99.3		4.70	5.00	94.1	5.36		70-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFUnA	5.40	5.00	108		4.95	5.00	99.0	8.62		70-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFDS	5.15	4.84	106		4.92	4.84	102	4.56		60-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
11Cl-PF3OUdS	17.8	20.0	89.0		17.9	20.0	89.6	0.649		55-160	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFDoA	4.80	5.00	95.9		5.21	5.00	104	8.28		70-140	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1

Sample ID: LCSD **EPA Method 1633**

Name:	Hazen & Sawyer	Lab Sample:	B24I072-BS1/B24I072-BSD1	Date Extracted:	23-Sep-24
Project:	Paseo Real WRF	QC Batch:	B24I072	Column:	BEH C18
Matrix:	Aqueous	Samp Size:	0.500/0.500 L		

Analyte	LCS (ng/L)	LCS Spike	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
MeFOSA	5.37	5.00	107		5.83	5.00	117	8.16		60-150	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFTrDA	4.96	5.00	99.2		5.36	5.00	107	7.68		65-140	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFDoS	4.42	4.84	91.3		4.40	4.84	90.8	0.454		50-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
PFTeDA	5.25	5.00	105		4.93	5.00	98.7	6.28		60-140	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
EtFOSA	4.85	5.00	97.0		4.82	5.00	96.4	0.621		65-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
MeFOSE	55.7	50.0	111		55.3	50.0	111	0.679		70-145	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1
EtFOSE	55.2	50.0	110		55.4	50.0	111	0.474		70-135	30	24-Sep-24 18:33	1	24-Sep-24 19:00	1

Labeled Standards	Type	LCS % Rec	LCS Quals	LCSD % Rec	LCSD Quals	Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
13C4-PFBA	IS	107		109		10 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C5-PFPeA	IS	89.0		99.8		40 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C2-4:2 FTS	IS	84.6		91.3		40 - 200	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C3-PFBS	IS	95.1		104		40 - 135	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C5-PFHxA	IS	92.7		104		40 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C4-PFHpA	IS	99.1		109		40 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C3-HFPO-DA	IS	99.2		110		40 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C2-6:2 FTS	IS	86.2		91.5		40 - 200	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C8-PFOA	IS	90.2		99.3		40 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C3-PFHxS	IS	93.5		98.7		40 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C9-PFNA	IS	96.6		101		40 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C2-8:2 FTS	IS	89.0		92.5		40 - 300	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C6-PFDA	IS	89.1		95.7		40 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
d3-MeFOSAA	IS	95.4		106		40 - 170	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C8-PFOS	IS	97.7		102		40 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
d5-EtFOSAA	IS	87.7		97.0		25 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C7-PFUnA	IS	90.8		89.6		30 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C8-PFOSA	IS	67.9		71.2		40 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C2-PFDoA	IS	74.9		72.7		10 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
13C2-PFTeDA	IS	71.0		74.5		10 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
d7-MeFOSE	IS	51.0		56.5		10 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
d3-MeFOSA	IS	45.8		48.1		10 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
d9-EtFOSE	IS	51.1		56.7		10 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1
d5-EtFOSA	IS	45.9		51.0		10 - 130	24-Sep-24 18:33	1	24-Sep-24 19:00	1

Sample ID: OPR **EPA Method 1633**

Client Data

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

Laboratory Data

Lab Sample: B24I072-BS2
Column: BEH C18

Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	13.8	12.8	107	70 - 140		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFMPA	6.83	6.40	107	55 - 140		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
3:3 FTCA	13.2	16.0	82.7	65 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFPeA	7.12	6.40	111	65 - 135		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFMBA	6.45	6.40	101	60 - 150		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFBS	2.82	2.84	99.3	60 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
4:2 FTS	13.2	12.0	110	70 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFHxA	3.35	3.20	105	70 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFEESA	5.86	5.68	103	70 - 140		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFPeS	3.21	3.01	107	65 - 140		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
HFPO-DA	13.2	12.8	103	70 - 140		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
NFDHA	7.33	6.40	114	50 - 150		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
5:3 FTCA	73.4	80.0	91.7	70 - 135		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFHpA	3.17	3.20	99.1	70 - 150		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
ADONA	11.4	12.1	94.6	65 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFHxS	3.24	2.92	111	65 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
6:2 FTS	14.1	12.2	116	65 - 155		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFOA	3.51	3.20	110	70 - 150		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFHpS	3.23	3.05	106	70 - 150		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
7:3 FTCA	67.9	80.0	84.8	50 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFNA	3.63	3.20	113	70 - 150		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFOSA	2.93	3.20	91.7	70 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFOS	3.46	2.97	117	55 - 150		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
9Cl-PF3ONS	11.7	12.0	98.1	70 - 155		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFDA	3.52	3.20	110	70 - 140		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
8:2 FTS	11.6	12.3	94.2	60 - 150		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFNS	3.21	3.08	104	65 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
MeFOSAA	3.35	3.20	105	50 - 140		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
EtFOSAA	2.78	3.20	86.8	70 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFUnA	3.06	3.20	95.5	70 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFDS	3.32	3.09	108	60 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
11Cl-PF3OUdS	11.0	12.1	90.9	55 - 160		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFDoA	3.25	3.20	102	70 - 140		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
MeFOSA	3.09	3.20	96.7	60 - 150		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1

Sample ID: OPR **EPA Method 1633**

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF

Matrix: Aqueous

Laboratory Data

Lab Sample: B24I072-BS2 Column: BEH C18

Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFTrDA	3.19	3.20	99.8	65 - 140		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFDoS	2.76	3.10	89.0	50 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
PFTeDA	3.18	3.20	99.3	60 - 140		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
EtFOSA	3.33	3.20	104	65 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
MeFOSE	35.1	32.0	110	70 - 145		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
EtFOSE	35.4	32.0	111	70 - 135		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	107	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C5-PFPeA	IS	92.0	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C2-4:2 FTS	IS	86.9	40 - 200		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C3-PFBS	IS	93.1	40 - 135		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C5-PFHxA	IS	92.6	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C4-PFHpA	IS	101	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C3-HFPO-DA	IS	100	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C2-6:2 FTS	IS	82.6	40 - 200		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C8-PFOA	IS	95.6	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C3-PFHxS	IS	94.2	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C9-PFNA	IS	98.7	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C2-8:2 FTS	IS	86.5	40 - 300		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C6-PFDA	IS	93.9	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
d3-MeFOSAA	IS	104	40 - 170		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C8-PFOS	IS	98.8	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
d5-EtFOSAA	IS	91.0	25 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C7-PFUnA	IS	95.1	30 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C8-PFOSA	IS	68.2	40 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C2-PFDoA	IS	74.0	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
13C2-PFTeDA	IS	71.3	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
d7-MeFOSE	IS	52.3	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
d3-MeFOSA	IS	46.4	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
d9-EtFOSE	IS	52.0	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1
d5-EtFOSA	IS	45.7	10 - 130		B24I072	23-Sep-24	0.500 L	24-Sep-24 18:46	1

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

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Groundwater
Date Collected: 11-Sep-24 09:40

Laboratory Data

Lab Sample: 2409157-01
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	6.30		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFMPA	ND	3.15		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
3:3 FTCA	ND	7.88		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFPeA	ND	3.15		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFMBA	ND	3.15		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFBS	ND	1.40		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
4:2 FTS	ND	5.91		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFHxA	ND	1.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFEESA	ND	2.81		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFPeS	ND	1.48		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
HFPO-DA	ND	6.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
NFDHA	ND	3.15		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
5:3 FTCA	ND	39.4		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFHpA	ND	1.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
ADONA	ND	6.22		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFHxS	ND	1.44		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
6:2 FTS	ND	5.98		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFOA	ND	1.97		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFHpS	ND	1.50		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
7:3 FTCA	ND	39.4		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFNA	ND	1.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFOSA	1.76	1.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFOS	ND	1.47		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
9Cl-PF3ONS	ND	6.15		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFDA	ND	1.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
8:2 FTS	ND	6.05		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFNS	ND	1.52		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
MeFOSAA	ND	1.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
EtFOSAA	ND	1.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFUnA	ND	1.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFDS	ND	1.52		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
11Cl-PF3OUdS	ND	5.91		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFDoA	ND	1.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
MeFOSA	ND	1.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFTrDA	ND	1.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFDoS	ND	1.53		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
PFTeDA	ND	1.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1

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

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Groundwater
Date Collected: 11-Sep-24 09:40

Laboratory Data

Lab Sample: 2409157-01
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	ND	1.58		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
MeFOSE	ND	15.8		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
EtFOSE	ND	15.8		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	108	10 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C5-PFPeA	IS	90.5	40 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C2-4:2 FTS	IS	85.6	40 - 200		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C3-PFBS	IS	97.1	40 - 135		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C5-PFHxA	IS	89.2	40 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C4-PFHpA	IS	95.6	40 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C3-HFPO-DA	IS	101	40 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C2-6:2 FTS	IS	89.5	40 - 200		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C8-PFOA	IS	92.9	40 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C3-PFHxS	IS	94.8	40 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C9-PFNA	IS	103	40 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C2-8:2 FTS	IS	87.4	40 - 300		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C6-PFDA	IS	90.3	40 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
d3-MeFOSAA	IS	104	40 - 170		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C8-PFOS	IS	95.7	40 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
d5-EtFOSAA	IS	91.5	25 - 135		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C7-PFUnA	IS	80.8	30 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C8-PFOSA	IS	91.4	40 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C2-PFDoA	IS	73.1	10 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
13C2-PFTeDA	IS	74.5	10 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
d7-MeFOSE	IS	75.1	10 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
d3-MeFOSA	IS	55.2	10 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
d9-EtFOSE	IS	74.1	10 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	1
d5-EtFOSA	IS	51.2	10 - 130		B24I072	23-Sep-24	0.508 L	24-Sep-24 22:09	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: Groundwater
Date Collected: 11-Sep-24 10:10

Laboratory Data

Lab Sample: 2409157-02
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	6.45		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFMPA	ND	3.22		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
3:3 FTCA	ND	8.06		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFPeA	ND	3.22		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFMBA	ND	3.22		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFBS	ND	1.43		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
4:2 FTS	ND	6.04		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFHxA	ND	1.61		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFEESA	ND	2.87		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFPeS	ND	1.51		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
HFPO-DA	ND	6.73		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
NFDHA	ND	3.22		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
5:3 FTCA	ND	40.3		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFHpA	ND	1.61		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
ADONA	ND	6.37		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFHxS	ND	1.47		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
6:2 FTS	ND	6.11		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFOA	ND	2.01		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFHpS	ND	1.53		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
7:3 FTCA	ND	40.3		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFNA	ND	1.61		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFOSA	ND	1.61		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFOS	ND	1.50		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
9Cl-PF3ONS	ND	6.29		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFDA	ND	1.61		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
8:2 FTS	ND	6.18		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFNS	ND	1.55		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
MeFOSAA	ND	1.61		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
EtFOSAA	ND	1.61		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFUnA	ND	1.61		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFDS	ND	1.55		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
11Cl-PF3OUdS	ND	6.04		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFDoA	ND	1.61		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
MeFOSA	ND	1.61		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFTrDA	ND	1.61		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFDoS	ND	1.56		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
PFTeDA	ND	1.61		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1

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

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Groundwater
Date Collected: 11-Sep-24 10:10

Laboratory Data

Lab Sample: 2409157-02
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	ND	1.61		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
MeFOSE	ND	16.1		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
EtFOSE	ND	16.1		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	108	10 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C5-PFPeA	IS	95.4	40 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C2-4:2 FTS	IS	89.4	40 - 200		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C3-PFBS	IS	97.1	40 - 135		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C5-PFHxA	IS	93.9	40 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C4-PFHpA	IS	103	40 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C3-HFPO-DA	IS	107	40 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C2-6:2 FTS	IS	89.5	40 - 200		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C8-PFOA	IS	97.3	40 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C3-PFHxS	IS	97.3	40 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C9-PFNA	IS	96.5	40 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C2-8:2 FTS	IS	88.3	40 - 300		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C6-PFDA	IS	92.9	40 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
d3-MeFOSAA	IS	105	40 - 170		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C8-PFOS	IS	97.7	40 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
d5-EtFOSAA	IS	97.5	25 - 135		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C7-PFUnA	IS	93.5	30 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C8-PFOSA	IS	89.0	40 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C2-PFDoA	IS	79.1	10 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
13C2-PFTeDA	IS	73.1	10 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
d7-MeFOSE	IS	61.5	10 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
d3-MeFOSA	IS	52.4	10 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
d9-EtFOSE	IS	63.5	10 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	1
d5-EtFOSA	IS	48.8	10 - 130		B24I072	23-Sep-24	0.496 L	24-Sep-24 22:23	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: Groundwater
Date Collected: 11-Sep-24 11:08

Laboratory Data

Lab Sample: 2409157-03
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	6.47		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFMPA	ND	3.24		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
3:3 FTCA	ND	8.09		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFPeA	ND	3.24		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFMBA	ND	3.24		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFBS	ND	1.44		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
4:2 FTS	ND	6.07		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFHxA	ND	1.62		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFEESA	ND	2.88		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFPeS	ND	1.52		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
HFPO-DA	ND	6.75		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
NFDHA	ND	3.24		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
5:3 FTCA	ND	40.4		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFHpA	ND	1.62		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
ADONA	ND	6.39		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFHxS	ND	1.48		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
6:2 FTS	ND	6.14		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFOA	ND	2.02		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFHpS	ND	1.54		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
7:3 FTCA	ND	40.4		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFNA	ND	1.62		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFOSA	ND	1.62		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFOS	ND	1.51		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
9Cl-PF3ONS	ND	6.31		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFDA	ND	1.62		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
8:2 FTS	ND	6.21		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFNS	ND	1.56		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
MeFOSAA	ND	1.62		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
EtFOSAA	ND	1.62		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFUnA	ND	1.62		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFDS	ND	1.56		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
11Cl-PF3OUdS	ND	6.07		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFDoA	ND	1.62		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
MeFOSA	ND	1.62		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFTrDA	ND	1.62		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFDoS	ND	1.57		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
PFTeDA	ND	1.62		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1

Sample ID: MW-5

EPA Method 1633

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Groundwater
Date Collected: 11-Sep-24 11:08

Laboratory Data

Lab Sample: 2409157-03
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	ND	1.62		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
MeFOSE	ND	16.2		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
EtFOSE	ND	16.2		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	110	10 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C5-PFPeA	IS	102	40 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C2-4:2 FTS	IS	89.5	40 - 200		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C3-PFBS	IS	92.9	40 - 135		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C5-PFHxA	IS	98.6	40 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C4-PFHpA	IS	110	40 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C3-HFPO-DA	IS	114	40 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C2-6:2 FTS	IS	89.4	40 - 200		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C8-PFOA	IS	96.1	40 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C3-PFHxS	IS	102	40 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C9-PFNA	IS	98.9	40 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C2-8:2 FTS	IS	86.0	40 - 300		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C6-PFDA	IS	102	40 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
d3-MeFOSAA	IS	109	40 - 170		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C8-PFOS	IS	107	40 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
d5-EtFOSAA	IS	96.9	25 - 135		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C7-PFUnA	IS	88.3	30 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C8-PFOSA	IS	101	40 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C2-PFDoA	IS	76.8	10 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
13C2-PFTeDA	IS	76.9	10 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
d7-MeFOSE	IS	66.1	10 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
d3-MeFOSA	IS	59.5	10 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
d9-EtFOSE	IS	64.8	10 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1
d5-EtFOSA	IS	55.8	10 - 130		B24I072	23-Sep-24	0.495 L	24-Sep-24 22:37	1

RL - Reporting limit

Results reported to RL.

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

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Groundwater
Date Collected: 11-Sep-24 11:00

Laboratory Data

Lab Sample: 2409157-04
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	6.32		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFMPA	ND	3.16		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
3:3 FTCA	ND	7.90		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFPeA	ND	3.16		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFMBA	ND	3.16		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFBS	ND	1.40		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
4:2 FTS	ND	5.93		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFHxA	ND	1.58		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFEESA	ND	2.81		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFPeS	ND	1.48		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
HFPO-DA	ND	6.60		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
NFDHA	ND	3.16		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
5:3 FTCA	ND	39.5		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFHpA	ND	1.58		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
ADONA	ND	6.24		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFHxS	ND	1.44		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
6:2 FTS	ND	6.00		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFOA	ND	1.98		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFHpS	ND	1.50		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
7:3 FTCA	ND	39.5		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFNA	ND	1.58		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFOSA	ND	1.58		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFOS	ND	1.47		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
9Cl-PF3ONS	ND	6.16		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFDA	ND	1.58		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
8:2 FTS	ND	6.06		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFNS	ND	1.52		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
MeFOSAA	ND	1.58		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
EtFOSAA	ND	1.58		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFUnA	ND	1.58		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFDS	ND	1.52		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
11Cl-PF3OUdS	ND	5.93		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFDoA	ND	1.58		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
MeFOSA	ND	1.58		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFTrDA	ND	1.58		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFDoS	ND	1.53		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
PFTeDA	ND	1.58		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1

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

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Groundwater
Date Collected: 11-Sep-24 11:00

Laboratory Data

Lab Sample: 2409157-04
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	ND	1.58		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
MeFOSE	ND	15.8		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
EtFOSE	ND	15.8		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	109	10 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C5-PFPeA	IS	87.3	40 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C2-4:2 FTS	IS	85.9	40 - 200		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C3-PFBS	IS	102	40 - 135		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C5-PFHxA	IS	93.2	40 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C4-PFHpA	IS	97.3	40 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C3-HFPO-DA	IS	101	40 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C2-6:2 FTS	IS	93.6	40 - 200		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C8-PFOA	IS	95.8	40 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C3-PFHxS	IS	97.4	40 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C9-PFNA	IS	101	40 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C2-8:2 FTS	IS	93.5	40 - 300		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C6-PFDA	IS	87.7	40 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
d3-MeFOSAA	IS	106	40 - 170		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C8-PFOS	IS	103	40 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
d5-EtFOSAA	IS	92.3	25 - 135		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C7-PFUnA	IS	87.4	30 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C8-PFOSA	IS	77.3	40 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C2-PFDoA	IS	76.3	10 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
13C2-PFTeDA	IS	71.1	10 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
d7-MeFOSE	IS	57.7	10 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
d3-MeFOSA	IS	46.9	10 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
d9-EtFOSE	IS	58.3	10 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	1
d5-EtFOSA	IS	47.1	10 - 130		B24I072	23-Sep-24	0.506 L	24-Sep-24 22:50	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: Groundwater
Date Collected: 11-Sep-24 11:50

Laboratory Data

Lab Sample: 2409157-05
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	6.58		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFMPA	ND	3.29		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
3:3 FTCA	ND	8.22		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFPeA	ND	3.29		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFMBA	ND	3.29		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFBS	ND	1.46		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
4:2 FTS	ND	6.17		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFHxA	ND	1.64		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFEESA	ND	2.93		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFPeS	ND	1.54		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
HFPO-DA	ND	6.87		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
NFDHA	ND	3.29		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
5:3 FTCA	ND	41.1		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFHpA	ND	1.64		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
ADONA	ND	6.50		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFHxS	ND	1.50		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
6:2 FTS	ND	6.24		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFOA	ND	2.06		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFHpS	ND	1.56		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
7:3 FTCA	ND	41.1		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFNA	ND	1.64		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFOSA	ND	1.64		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFOS	ND	1.53		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
9Cl-PF3ONS	ND	6.42		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFDA	ND	1.64		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
8:2 FTS	ND	6.31		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFNS	ND	1.58		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
MeFOSAA	ND	1.64		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
EtFOSAA	ND	1.64		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFUnA	ND	1.64		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFDS	ND	1.58		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
11Cl-PF3OUdS	ND	6.17		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFDoA	ND	1.64		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
MeFOSA	ND	1.64		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFTrDA	ND	1.64		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFDoS	ND	1.59		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
PFTeDA	ND	1.64		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1

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

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Groundwater
Date Collected: 11-Sep-24 11:50

Laboratory Data

Lab Sample: 2409157-05
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	ND	1.64		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
MeFOSE	ND	16.4		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
EtFOSE	ND	16.4		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	109	10 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C5-PFPeA	IS	93.9	40 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C2-4:2 FTS	IS	93.1	40 - 200		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C3-PFBS	IS	99.0	40 - 135		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C5-PFHxA	IS	97.8	40 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C4-PFHpA	IS	105	40 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C3-HFPO-DA	IS	104	40 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C2-6:2 FTS	IS	92.3	40 - 200		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C8-PFOA	IS	90.8	40 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C3-PFHxS	IS	98.1	40 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C9-PFNA	IS	97.9	40 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C2-8:2 FTS	IS	92.4	40 - 300		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C6-PFDA	IS	96.9	40 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
d3-MeFOSAA	IS	114	40 - 170		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C8-PFOS	IS	101	40 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
d5-EtFOSAA	IS	100	25 - 135		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C7-PFUnA	IS	89.0	30 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C8-PFOSA	IS	96.0	40 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C2-PFDoA	IS	74.2	10 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
13C2-PFTeDA	IS	75.4	10 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
d7-MeFOSE	IS	61.6	10 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
d3-MeFOSA	IS	56.2	10 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
d9-EtFOSE	IS	64.1	10 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	1
d5-EtFOSA	IS	52.6	10 - 130		B24I072	23-Sep-24	0.486 L	24-Sep-24 23:04	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: Groundwater
Date Collected: 11-Sep-24 12:20

Laboratory Data

Lab Sample: 2409157-06
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	6.44		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFMPA	ND	3.22		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
3:3 FTCA	ND	8.06		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFPeA	ND	3.22		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFMBA	ND	3.22		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFBS	ND	1.43		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
4:2 FTS	ND	6.04		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFHxA	ND	1.61		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFEESA	ND	2.87		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFPeS	ND	1.51		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
HFPO-DA	ND	6.73		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
NFDHA	ND	3.22		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
5:3 FTCA	ND	40.3		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFHpA	ND	1.61		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
ADONA	ND	6.36		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFHxS	ND	1.47		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
6:2 FTS	ND	6.11		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFOA	ND	2.01		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFHpS	ND	1.53		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
7:3 FTCA	ND	40.3		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFNA	ND	1.61		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFOSA	ND	1.61		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFOS	ND	1.50		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
9Cl-PF3ONS	ND	6.28		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFDA	ND	1.61		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
8:2 FTS	ND	6.18		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFNS	ND	1.55		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
MeFOSAA	ND	1.61		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
EtFOSAA	ND	1.61		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFUnA	ND	1.61		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFDS	ND	1.55		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
11Cl-PF3OUdS	ND	6.04		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFDoA	ND	1.61		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
MeFOSA	ND	1.61		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFTrDA	ND	1.61		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFDoS	ND	1.56		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
PFTeDA	ND	1.61		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1

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

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Groundwater
Date Collected: 11-Sep-24 12:20

Laboratory Data

Lab Sample: 2409157-06
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	ND	1.61		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
MeFOSE	ND	16.1		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
EtFOSE	ND	16.1		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	102	10 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C5-PFPeA	IS	89.8	40 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C2-4:2 FTS	IS	80.6	40 - 200		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C3-PFBS	IS	88.8	40 - 135		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C5-PFHxA	IS	88.1	40 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C4-PFHpA	IS	94.7	40 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C3-HFPO-DA	IS	97.2	40 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C2-6:2 FTS	IS	81.8	40 - 200		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C8-PFOA	IS	94.6	40 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C3-PFHxS	IS	89.2	40 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C9-PFNA	IS	97.7	40 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C2-8:2 FTS	IS	84.7	40 - 300		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C6-PFDA	IS	95.0	40 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
d3-MeFOSAA	IS	99.8	40 - 170		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C8-PFOS	IS	87.5	40 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
d5-EtFOSAA	IS	92.2	25 - 135		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C7-PFUnA	IS	88.1	30 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C8-PFOSA	IS	83.3	40 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C2-PFDoA	IS	73.0	10 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
13C2-PFTeDA	IS	74.4	10 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
d7-MeFOSE	IS	64.1	10 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
d3-MeFOSA	IS	46.4	10 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
d9-EtFOSE	IS	65.4	10 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1
d5-EtFOSA	IS	45.1	10 - 130		B24I072	23-Sep-24	0.497 L	24-Sep-24 23:17	1

RL - Reporting limit

Results reported to RL.

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

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Groundwater
Date Collected: 11-Sep-24 12:50

Laboratory Data

Lab Sample: 2409157-07
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	9.93	6.36		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFMPA	ND	3.18		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
3:3 FTCA	ND	7.95		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFPeA	23.9	3.18		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFMBA	ND	3.18		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFBS	11.3	1.41		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
4:2 FTS	ND	5.96		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFHxA	20.8	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFEESA	ND	2.83		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFPeS	2.32	1.49		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
HFPO-DA	ND	6.63		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
NFDHA	ND	3.18		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
5:3 FTCA	ND	39.7		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFHpA	3.90	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
ADONA	ND	6.28		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFHxS	7.23	1.45		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
6:2 FTS	ND	6.03		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFOA	5.85	1.99		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFHpS	ND	1.51		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
7:3 FTCA	ND	39.7		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFNA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFOSA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFOS	ND	1.48		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
9Cl-PF3ONS	ND	6.20		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFDA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
8:2 FTS	ND	6.10		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFNS	ND	1.53		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
MeFOSAA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
EtFOSAA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFUnA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFDS	ND	1.53		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
11Cl-PF3OUdS	ND	5.96		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFDoA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
MeFOSA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFTrDA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFDoS	ND	1.54		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
PFTeDA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1

Sample ID: MW-1

EPA Method 1633

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Groundwater
Date Collected: 11-Sep-24 12:50

Laboratory Data

Lab Sample: 2409157-07
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
MeFOSE	ND	15.9		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
EtFOSE	ND	15.9		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	106	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C5-PFPeA	IS	91.4	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C2-4:2 FTS	IS	88.3	40 - 200		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C3-PFBS	IS	99.1	40 - 135		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C5-PFHxA	IS	92.2	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C4-PFHpA	IS	102	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C3-HFPO-DA	IS	101	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C2-6:2 FTS	IS	86.2	40 - 200		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C8-PFOA	IS	86.0	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C3-PFHxS	IS	90.9	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C9-PFNA	IS	102	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C2-8:2 FTS	IS	84.3	40 - 300		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C6-PFDA	IS	88.8	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
d3-MeFOSAA	IS	97.5	40 - 170		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C8-PFOS	IS	97.3	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
d5-EtFOSAA	IS	86.0	25 - 135		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C7-PFUnA	IS	81.8	30 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C8-PFOSA	IS	81.7	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C2-PFDoA	IS	67.5	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
13C2-PFTeDA	IS	69.6	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
d7-MeFOSE	IS	61.2	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
d3-MeFOSA	IS	40.3	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
d9-EtFOSE	IS	60.9	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	1
d5-EtFOSA	IS	40.7	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:31	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: Groundwater
Date Collected: 11-Sep-24 12:50

Laboratory Data

Lab Sample: 2409157-08
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	10.3	6.36		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFMPA	ND	3.18		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
3:3 FTCA	ND	7.95		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFPeA	24.3	3.18		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFMBA	ND	3.18		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFBS	11.6	1.41		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
4:2 FTS	ND	5.96		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFHxA	19.1	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFEESA	ND	2.83		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFPeS	2.22	1.49		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
HFPO-DA	ND	6.64		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
NFDHA	ND	3.18		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
5:3 FTCA	ND	39.8		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFHpA	3.93	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
ADONA	ND	6.28		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFHxS	7.18	1.45		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
6:2 FTS	ND	6.03		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFOA	5.81	1.99		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFHpS	ND	1.51		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
7:3 FTCA	ND	39.8		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFNA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFOSA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFOS	ND	1.48		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
9Cl-PF3ONS	ND	6.20		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFDA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
8:2 FTS	ND	6.10		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFNS	ND	1.53		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
MeFOSAA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
EtFOSAA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFUnA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFDS	ND	1.53		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
11Cl-PF3OUdS	ND	5.96		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFDoA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
MeFOSA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFTrDA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFDoS	ND	1.54		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
PFTeDA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1

Sample ID: MW-8

EPA Method 1633

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Groundwater
Date Collected: 11-Sep-24 12:50

Laboratory Data

Lab Sample: 2409157-08
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	ND	1.59		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
MeFOSE	ND	15.9		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
EtFOSE	ND	15.9		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	105	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C5-PFPeA	IS	86.8	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C2-4:2 FTS	IS	97.3	40 - 200		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C3-PFBS	IS	96.1	40 - 135		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C5-PFHxA	IS	88.8	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C4-PFHpA	IS	96.8	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C3-HFPO-DA	IS	93.3	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C2-6:2 FTS	IS	89.0	40 - 200		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C8-PFOA	IS	93.2	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C3-PFHxS	IS	95.5	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C9-PFNA	IS	102	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C2-8:2 FTS	IS	88.2	40 - 300		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C6-PFDA	IS	86.3	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
d3-MeFOSAA	IS	97.3	40 - 170		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C8-PFOS	IS	97.6	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
d5-EtFOSAA	IS	93.0	25 - 135		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C7-PFUnA	IS	84.9	30 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C8-PFOSA	IS	84.1	40 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C2-PFDoA	IS	70.2	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
13C2-PFTeDA	IS	70.7	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
d7-MeFOSE	IS	63.0	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
d3-MeFOSA	IS	49.0	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
d9-EtFOSE	IS	64.1	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	1
d5-EtFOSA	IS	49.6	10 - 130		B24I072	23-Sep-24	0.503 L	24-Sep-24 23:44	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: Groundwater
Date Collected: 11-Sep-24 13:20

Laboratory Data

Lab Sample: 2409157-09
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	6.21		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFMPA	ND	3.10		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
3:3 FTCA	ND	7.76		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFPeA	ND	3.10		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFMBA	ND	3.10		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFBS	2.36	1.38		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
4:2 FTS	ND	5.82		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFHxA	ND	1.55		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFEESA	ND	2.76		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFPeS	ND	1.46		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
HFPO-DA	ND	6.48		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
NFDHA	ND	3.10		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
5:3 FTCA	ND	38.8		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFHpA	ND	1.55		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
ADONA	ND	6.13		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFHxS	ND	1.42		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
6:2 FTS	ND	5.89		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFOA	ND	1.94		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFHpS	ND	1.47		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
7:3 FTCA	ND	38.8		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFNA	ND	1.55		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFOSA	ND	1.55		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFOS	ND	1.45		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
9Cl-PF3ONS	ND	6.05		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFDA	ND	1.55		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
8:2 FTS	ND	5.96		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFNS	ND	1.49		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
MeFOSAA	ND	1.55		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
EtFOSAA	ND	1.55		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFUnA	ND	1.55		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFDS	ND	1.49		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
11Cl-PF3OUdS	ND	5.82		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFDoA	ND	1.55		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
MeFOSA	ND	1.55		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFTrDA	ND	1.55		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFDoS	ND	1.50		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
PFTeDA	ND	1.55		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1

Sample ID: MW-4

EPA Method 1633

Client Data

Name: Hazen & Sawyer
Project: Paseo Real WRF
Matrix: Groundwater
Date Collected: 11-Sep-24 13:20

Laboratory Data

Lab Sample: 2409157-09
Date Received: 17-Sep-24 09:08
Column: BEH C18

Analyte	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
EtFOSA	ND	1.55		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
MeFOSE	ND	15.5		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
EtFOSE	ND	15.5		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	105	10 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C5-PFPeA	IS	91.6	40 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C2-4:2 FTS	IS	86.4	40 - 200		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C3-PFBS	IS	95.2	40 - 135		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C5-PFHxA	IS	100	40 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C4-PFHpA	IS	99.5	40 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C3-HFPO-DA	IS	102	40 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C2-6:2 FTS	IS	85.7	40 - 200		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C8-PFOA	IS	101	40 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C3-PFHxS	IS	92.6	40 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C9-PFNA	IS	91.6	40 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C2-8:2 FTS	IS	90.3	40 - 300		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C6-PFDA	IS	93.5	40 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
d3-MeFOSAA	IS	96.7	40 - 170		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C8-PFOS	IS	92.3	40 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
d5-EtFOSAA	IS	87.9	25 - 135		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C7-PFUnA	IS	86.4	30 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C8-PFOSA	IS	85.8	40 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C2-PFDoA	IS	72.0	10 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
13C2-PFTeDA	IS	73.7	10 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
d7-MeFOSE	IS	66.2	10 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
d3-MeFOSA	IS	44.4	10 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
d9-EtFOSE	IS	66.9	10 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	1
d5-EtFOSA	IS	42.8	10 - 130		B24I072	23-Sep-24	0.515 L	24-Sep-24 23:58	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 #: 2409157	Temp: 0.7 °C
Storage ID: R-1, WF-2, WR-1	Storage Secured: ☒ Yes ☐ No

Project ID: Paseo Real WRF PO#: DB24121200 Sampler: J. Fisher / B. Constant (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 & Sawyer	100 Sun Ave NE #206	Albuquerque	NM 87109	(505) 217-7152

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
Jerome Fisher [signature] / DBSA	9/16/24	10:00	Karen g. Acosta [signature]	09/17/24	09:08

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

ATTN: ______

Method of Shipment: ______

Tracking No.: ______

Add Analysis(es) Requested: PFAS by Isotope Dilution; Drinking Water

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

Sample ID	Date	Time	Location/ Sample Description	Quantity	Type	Matrix	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-3	9/11/24	0940		3	Poly	GW			X					
MW-2	↓	1010		↓	↓	↓			X					
MW-5	↓	1108		↓	↓	↓			X					
FB-1	↓	1100		↓	↓	↓			X					
MW-7	↓	1150		↓	↓	↓			X					
MW-6	↓	1220		↓	↓	↓			X					
MW-1	↓	1250		↓	↓	↓			X					
MW-8	↓	1250		↓	↓	↓			X					
MW-4	↓	1320		↓	↓	↓			X					

Other Instructions/ Comments:

SEND DOCUMENTATION AND RESULTS TO:
Name: ______
Company: ______
Address: ______
City: ______ State: ______ Zip: ______
Phone: ______
Email: ______

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: ______

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CoC/Label Reconciliation Report WO# 2409157

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2409157-01	A MW-3	☑		11-Sep-24 09:40	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-01	B MW-3	☑		11-Sep-24 09:40	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-01	C MW-3	☑		11-Sep-24 09:40	☑	HDPE Bottle, 125 mL	Aqueous	
2409157-02	A MW-2	☑		11-Sep-24 10:10	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-02	B MW-2	☑		11-Sep-24 10:10	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-02	C MW-2	☑		11-Sep-24 10:10	☑	HDPE Bottle, 125 mL	Aqueous	
2409157-03	A MW-5	☑		11-Sep-24 11:08	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-03	B MW-5	☑		11-Sep-24 11:08	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-03	C MW-5	☑		11-Sep-24 11:08	☑	HDPE Bottle, 125 mL	Aqueous	
2409157-04	A FB-1	☑		11-Sep-24 11:00	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-04	B FB-1	☑		11-Sep-24 11:00	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-04	C FB-1	☑		11-Sep-24 11:00	☑	HDPE Bottle, 125 mL	Aqueous	
2409157-05	A MW-7	☑		11-Sep-24 11:50	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-05	B MW-7	☑		11-Sep-24 11:50	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-05	C MW-7	☑		11-Sep-24 11:50	☑	HDPE Bottle, 125 mL	Aqueous	
2409157-06	A MW-6	☑		11-Sep-24 12:20	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-06	B MW-6	☑		11-Sep-24 12:20	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-06	C MW-6	☑		11-Sep-24 12:20	☑	HDPE Bottle, 125 mL	Aqueous	
2409157-07	A MW-1	☑		11-Sep-24 12:50	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-07	B MW-1	☑		11-Sep-24 12:50	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-07	C MW-1	☑		11-Sep-24 12:50	☑	HDPE Bottle, 125 mL	Aqueous	
2409157-08	A MW-8	☑		11-Sep-24 12:50	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-08	B MW-8	☑		11-Sep-24 12:50	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-08	C MW-8	☑		11-Sep-24 12:50	☐	HDPE Bottle, 125 mL	Aqueous	
2409157-09	A MW-4	☑		11-Sep-24 13:20	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-09	B MW-4	☐		11-Sep-24 13:20	☑	HDPE Bottle, 500 mL	Aqueous	
2409157-09	C MW-4	☑		11-Sep-24 13:20	☑	HDPE Bottle, 125 mL	Aqueous	

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

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

Comments: A) Date/time missing on sample label.
B) No date listed on COC, pulled from sample label.

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: WO 09/17/24
XAO 09/17/24