



November 14, 2025

Mr. Carl Chavez, CHMM
New Mexico Oil Conservation Division (Albuquerque Office)
Energy, Minerals and Natural Resources Department
5200 Oakland Avenue, NE
Albuquerque, NM 87113

RE: FFY 2025 4th Quarter Injection Report for HF Sinclair Navajo Refining LLC UIC Wells WDW-1, WDW-2, WDW-3 and WDW-4

Dear Mr. Chavez,

Enclosed, please find the federal fiscal year 2025 (FFY 2025) fourth quarter (Q4) report for HF Sinclair Navajo Refining LLC (HFSNR) fluids injected into WDW-1, WDW-2, WDW-3 and WDW-4. This report has been prepared in accordance with Class I Non-Hazardous Waste Injection Well Discharge Permit UICI-8 (approved December 2017) and covers data collection efforts from July 1, 2025 through September 30, 2025. Condition 2.I of the permit requires reporting of the following four items:

Item #1: Physical, chemical and other relevant characteristics of injected fluids (per Condition 2.A)

One sampling event occurred during FFY 2025 Q4 on September 18, 2025. Table 1 presents results for this event; the corresponding lab report is given in Attachment A. For parameters identified as toxic contaminants in 40 CFR 261.24(b) (EPA Hazardous waste No. D004 through D043), all results were less than the Toxicity Characteristic Leaching Procedure (TCLP) regulatory level and do not exhibit the characteristic of toxicity.

Item #2: Monthly average, maximum and minimum values for injection pressure, flow rate, injected volume, and annular pressure (per Condition 3.C)

A summary of monthly injection pressure, flow rate, injected volume, and annular pressure for FFY 2025 Q4 is given in Table 2. Statistics for injection pressure, flow rate and annular pressure for each month were calculated from continuous monitoring recorded on an hourly basis. For example, a month containing 31 days would have a total of 744 hourly data results, assuming no issues with signal communication. For injection flowrate, hourly readings reported as 0 gpm were deleted from the database (representative of either a signal communication issue or a well down for maintenance, testing, etc.). Not including zero flowrate readings in the calculation of average flowrate provides a more conservative (higher) result for assessment of permit compliance. The monthly injected volume was calculated as the sum of each hourly volume (equal to the hourly flowrate in gpm multiplied by 60 minutes) during the month.

HFSNR disposed a total of 1,547,068 barrels of fluid into the four wells during FFY 2025 Q4. The total Q4 volume per well was:

- 168,487 barrels into WDW-1: 30-015-27592
- 154,654 barrels into WDW-2: 30-015-20894
- 279,579 barrels into WDW-3: 30-015-26575
- 944,348 barrels into WDW-4: 30-015-44677

HF Sinclair Navajo Refining LLC
501 East Main, Artesia, NM 88210
575-748-3311 | HFSinclair.com



In terms of Discharge Permit UICI-8 compliance, the hourly maximum injection pressures (occurring during FFY 2025 Q4) were within limits given in Condition 3.B as follows:

- WDW-1: max = 1,401 psi (limit = 1,585 psi)
- WDW-2: max = 1,402 psi (limit = 1,514 psi)
- WDW-3: max = 1,349 psi (limit = 1,530 psi)
- WDW-4: max = 481 psi (limit = 2,080 psi)

There were no significant losses as measured from the glycol expansion tanks Well Annulus Monitoring System (WAMS).

Item #3: Groundwater monitoring well Information from Condition 2.B

Discharge Permit UICI-8 Condition 2.B requires the installation of at least one downgradient monitoring well in the proximity of each injection well (WDW-1, 2, 3, and 4). Installation activities for monitoring wells at WDW-2, WDW-3, and WDW-4 were performed but no significant groundwater was encountered and the boreholes were plugged in accordance with the approved Work Plan. Therefore, the WDW-1 Monitoring Well is representative of WDW-2, WDW-3, and WDW-4. Results for the WDW-1 Monitoring Well are presented in Table 3 with comparisons to NMAC groundwater standards. The accompanying lab report is presented in Attachment B.

Item #4: Continuous monitoring charts and information from Permit Condition 3.C

Discharge Permit UICI-8 Condition 3.C requires the use of a continuous monitoring device to measure and record hourly values of injection pressure, injection rate, totalized injection volume, and annular pressure. HFSNR uses a digital recording device that can log the results of the above parameters at a user defined-frequency (i.e., can be greater or less than a one-hour interval). This recording/logging system is known as the "PI Historian" system and does not use any pen/chart apparatus described in Condition 3.C. The logged hourly data have been processed graphically and are given for each well in Figures 1 to 3 (July 2025), Figures 4 to 6 (August 2025), and Figures 7 to 9 (September 2025). As mentioned in Item #2 above, "gaps" in charted data reflect periods where signal communication issues occurred or when hourly injection flow was reported as 0 gpm. Archived spreadsheets of the FFY 2025 Q4 data used to generate the graphs are available upon request.

Conclusions and Recommendations

From the observations presented in the Items #1, #2, #3, and #4 above, HFSNR concludes that the injection of fluids (i.e., treated wastewater) into UIC Wells WDW-1, WDW-2, WDW-3, and WDW-4 during FFY 2025 Q4 was in compliance with the requirements and limitations given in Discharge Permit UICI-8. Specifically, the injection concentrations did not exhibit toxicity as regulated in Discharge Permit Condition 2.A (per reference of 40 CFR 261.24(b)). Further, injection pressures did not exceed limitations given Discharge Permit Condition 3.B for each well. WDW-1 groundwater monitoring well concentrations did exceed NMAC 20.6.2.3103 standards for a few parameters (i.e., boron, chloride, sulfate, TDS, etc.), however these parameter concentrations are representative of the existing conditions of the Tansill formation.

**Other UIC Activities During FFY 2025 Q4 (July 2025 – September 2025):**

1. HFSNR continued activities in support of Bradenhead valve installation on WDW-1 and WDW-2. Based on excavations to date, additional work is needed to install the valving for performance of the Bradenhead test. Additional excavation is also needed to expose the surface casing for installation of the test equipment.
2. Part 1 Mechanical Integrity Testing for WDW-1, WDW-2, and WDW-3 occurred on June 24, June 25, and June 26, 2025 (FFY 2025 Q3), respectively. Part 1 Mechanical Integrity Testing for WDW-4 occurred on August 6, 2025.
 - MIT Report for WDW-1 submitted to OCD on July 23, 2025 (Action ID #488283)
 - MIT Report for WDW-2 submitted to OCD on July 23, 2025 (Action ID #488284)
 - MIT Report for WDW-3 submitted to OCD on July 23, 2025 (Action ID #488286)
 - MIT Report for WDW-4 submitted to OCD on September 5, 2025 (Action ID #503405)
3. Fall Off Testing (FOT) for WDW-3 occurred on August 26 through 29, 2025. Subsequent report was submitted to OCD during FFY 2026 Q1 on October 28, 2025 (Action ID #520690).
4. Fall Off Testing (FOT) for WDW-1 occurred on September 10 through September 12, 2025.
5. Bullhead stimulations were performed on WDW-1, WDW-2 and WDW-4.
 - WDW-4 bullhead stimulation was performed on August 7, 2025. Subsequent report was submitted to OCD during FFY 2025 Q4 on September 11, 2025 (Action ID #505348)
 - WDW-1 bullhead stimulation was performed on September 3, 2025. Subsequent report was submitted to OCD during FFY 2026 Q1 on October 27, 2025 (Action ID #520703)
 - WDW-2 bullhead stimulation was performed on September 4, 2025. Subsequent report was submitted to OCD during FFY2026 Q1 on October 27, 2025 (Action ID #520708)
6. Internal mechanical integrity failure occurred at WDW-1 on September 10, 2025. A potential injection tubing leak was noted while setting up for the FOT, and the well was shut in immediately thereafter on September 10, 2025. HFSNR brought in another contractor to evaluate the well and they confirmed the possible leak, which HFSNR notified OCD via voicemail on September 25, 2025. A Workover Plan was submitted and approved by OCD during FFY 2026 Q1 on October 10, 2025 (Action ID# 512265).
7. Elevated benzene results from internal laboratory analyses were observed from samples taken upstream of the compliance point for wastewater discharges to Wells 1, 2, 3 & 4. The benzene samples were collected on July 5, 2025 and August 12, 2025; OCD was notified out of an abundance of caution on the same day in both instances. Follow-up emails detailing these two events were submitted to OCD on July 10, 2025 and August 12, 2025, respectively.



Planned UIC Activities for FFY 2026 Q1 (October 1, 2025 – December 31, 2025):

1. Fall Off Testing for WDW-2 and WDW-4 is planned for FFY 2026 Q1.
2. As referenced above, operations to complete Bradenhead mitigation are planned for FFY 2026 Q1.

This report is signed and certified in accordance with NMAC Section 20.6.2.5101.G. If there are any questions or comments, please contact Nat Paengpongsavanh at 575.746.0681.

Respectfully,

A handwritten signature in blue ink, appearing to read 'Case Hinkins'. The signature is stylized and cursive.

Case Hinkins
Environmental Manager
HF Sinclair Navajo Refining LLC



TABLES

TABLE 1. FFY 2025 Q4 CONCENTRATIONS OF WASTEWATER INJECTED INTO WELLS WDW-1, WDW-2, WDW-3, AND WDW-4

TCLP = Toxicity Characteristic Leaching Procedure with regulatory level given in 40 CFR 261.24(b)

Parameter	Units	Method Detection Limit (MDL)	Reporting Limit (RL)	9/18/2025 Concentration	UICI-8 Condition 2.A TCLP Regulatory Level
Alkalinity, bicarbonate	mg/L	50	50	530	--
Alkalinity, carbonate	mg/L	5.0	5.0	<5.0	--
Alkalinity, total	mg/L	50	50	530	--
Conductivity	uS/cm	10	10	7200	--
Cyanide (Reactivity)	mg/L	0.25	0.25	<0.25	--
Flashpoint (Ignitability)	deg F	70.0	70.0	>212	--
Oxidation Reduction Potential	mV	--	--	-124	--
pH (Corrosivity)	su	0.01	0.01	7.0	--
Specific Gravity	su	--	--	1.0012	--
Sulfide (Reactivity)	mg/L	50	50	<50	--
Total Dissolved Solids	mg/L	250	500	6000	--
Total Suspended Solids	mg/L	200	200	480	--
Bromide	mg/L	0.50	1.0	0.75 J	--
Chloride	mg/L	2.5	5.0	650	--
Fluoride	mg/L	0.46	1.0	13	--
Nitrate	mg/L	--	--	--	--
Nitrate + Nitrite	mg/L	0.22	2.0	1.2 J	--
Nitrite	mg/L	--	--	--	--
Phosphorus, Ortho PO4	mg/L	2.5	5.0	<2.5	--
Sulfate	mg/L	39	55	3200	--
Calcium (dissolved)	mg/L	4.2	10	570	--
Magnesium (dissolved)	mg/L	0.64	10	190	--
Potassium (dissolved)	mg/L	0.45	1.0	71	--
Sodium (dissolved)	mg/L	2.5	10	960	--
Arsenic	mg/L	0.025	0.050	0.032 J	5
Barium	mg/L	0.025	0.050	0.085	100
Cadmium	mg/L	0.025	0.050	<0.025	1
Chromium	mg/L	0.025	0.050	0.049 J	5
Lead	mg/L	0.030	0.050	<0.030	5
Mercury	mg/L	0.00012	0.00020	0.00016 J	0.2
Selenium	mg/L	0.040	0.050	0.12	1
Silver	mg/L	0.025	0.050	<0.025	5
Chlordane	mg/L	0.005	0.01	<0.005	0.03
1,1-Dichloroethene	mg/L	0.04	0.20	<0.04	0.7
1,2-Dichloroethane	mg/L	0.05	0.20	<0.05	0.5
1,4-Dichlorobenzene	mg/L	0.04	0.20	<0.04	7.5
2,4,5-Trichlorophenol	mg/L	0.00075	0.01	<0.00075	400
2,4,6-Trichlorophenol	mg/L	0.00082	0.01	<0.00082	2
2,4-Dinitrotoluene	mg/L	0.00078	0.01	<0.00078	0.13
2-Butanone	mg/L	0.40	2.00	<0.40	200
2-Methylphenol	mg/L	0.00063	0.01	0.015	200
3+4-Methylphenol	mg/L	0.00066	0.01	0.0072 J	200
Benzene	mg/L	0.03	0.20	<0.03	0.5
Carbon tetrachloride	mg/L	0.04	0.20	<0.04	0.5
Chlorobenzene	mg/L	0.10	0.20	<0.10	100
Chloroform	mg/L	0.05	0.20	<0.05	6
Cresols	mg/L	0.0029	0.0029	<0.0029	200
Hexachlorobenzene	mg/L	0.0049	0.05	<0.0049	0.13
Hexachlorobutadiene	mg/L	0.035	0.05	<0.035	0.5
Hexachloroethane	mg/L	0.033	0.05	<0.033	3
Nitrobenzene	mg/L	0.0066	0.01	<0.0066	2
Pentachlorophenol	mg/L	0.0033	0.0033	<0.0033	100
Pyridine	mg/L	0.026	0.10	<0.026	5
Tetrachloroethene	mg/L	0.04	0.20	<0.04	0.7
Trichloroethene	mg/L	0.06	0.20	<0.06	0.5
Vinyl chloride	mg/L	0.06	0.20	<0.06	0.2

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

< = non-detect (ND) at MDL

Dissolved = filtered using a 0.45um filter.

Per TCLP Method 1311, "If a total analysis of the waste demonstrates that individual analytes are not present in the waste, or that they are present but at such low concentrations that the appropriate regulatory levels could not possibly be exceeded, the TCLP need not be run".

Therefore, all TCLP compounds are reported as totals since the low solids content did not require filtration.

TABLE 2. FFY 2025 FOURTH QUARTER MONTHLY INJECTION PRESSURE, FLOW RATE, ANNULAR PRESSURE, AND VOLUME

Based on continuous monitors that record pressure and flow rate data on an hourly basis (per UICI-8 Condition 3.C)

Month	Injection Pressure			Injection Flowrate			Annular Pressure			Totalized Injected Volume	
	Average (psi)	Maximum (psi)	Minimum (psi)	Average (gpm)	Maximum (gpm)	Minimum (gpm)	Average (psi)	Maximum (psi)	Minimum (psi)	Monthly (barrels)	Cumulative (barrels)
30-015-27592 WDW-1											53,928,514
Jul-25	1,327	1,401	1,094	57	71	33	606	954	202	60,374	53,988,888
Aug-25	1,223	1,401	1,064	47	85	1	522	727	175	47,085	54,035,973
Sep-25	1,133	1,347	532	60	534	4	913	1,095	71	61,029	54,097,002
30-015-20894 WDW-2											32,924,531
Jul-25	1,373	1,402	1,195	41	67	5	662	951	286	43,274	32,967,805
Aug-25	1,302	1,400	1,072	35	61	4	484	781	175	35,396	33,003,202
Sep-25	1,289	1,400	1,100	75	636	4	515	1,076	161	75,983	33,079,185
30-015-26575 WDW-3											27,744,665
Jul-25	1,249	1,322	1,133	100	118	54	667	788	522	106,608	27,851,273
Aug-25	1,126	1,319	443	85	111	68	323	664	54	90,331	27,941,604
Sep-25	1,190	1,349	1,120	80	99	64	411	549	171	82,640	28,024,244
30-015-44677 WDW-4											20,066,884
Jul-25	433	481	403	295	340	243	143	307	2	313,955	20,380,839
Aug-25	389	472	159	309	388	3	353	468	1	295,882	20,676,721
Sep-25	417	446	310	325	361	87	443	469	350	334,511	21,011,232



Hydrogeologic Investigation Report UIC Wells, HF Sinclair Navajo Refinery

Table 3. WDW-1-MW-1 Analytical Results
Page 1 of 10

Parameter	Laboratory Method	Concentration (mg/L ^a)				
		NMAC Standard	Work Plan Reporting Limit	August 2025		
				Laboratory Reporting Limit	WDW-1-MW-1	WDW-1-MW-1 (Duplicate)
Aluminum, dissolved	200.7	5	0.02	0.020	<0.020	<0.020
Barium, dissolved	200.7	2	0.003	0.030 ^b	0.058	0.062
Beryllium, dissolved	200.7	0.004	0.002	0.0020	<0.020	<0.020
Boron, dissolved	200.7	0.75	0.04	0.40 ^b	1.7	1.7
Calcium, dissolved	200.7	—	1	10 ^b	730	720
Cadmium, dissolved	200.7	0.005	0.002	0.0020	<0.0020	<0.0020
Chromium, dissolved	200.7	0.05	0.006	0.060 ^b	<0.060	<0.060
Cobalt, dissolved	200.7	0.05	0.006	0.060 ^b	<0.060	<0.060
Iron, dissolved	200.7	1	0.02	0.020	<0.020	<0.020
Magnesium, dissolved	200.7	—	1	10 ^b	110	100
Manganese, dissolved	200.7	0.2	0.002	0.020 ^b	0.065	0.063
Molybdenum, dissolved	200.7	1	0.008	0.0080	0.053	0.049
Potassium, dissolved	200.7	—	1	1.0	31	29
Sodium, dissolved	200.7	—	1	10 ^b	430	420
Nickel, dissolved	200.7	0.2	0.01	0.10 ^b	<0.10	<0.10
Zinc, dissolved	200.7	10	0.01	0.10 ^b	<0.10	<0.10
Antimony, dissolved	200.8	0.006	0.001	0.0010	0.00044 J	0.00055 J
Arsenic, dissolved	200.8	0.01	0.001	0.00050	0.0013	0.0011
Copper, dissolved	200.8	1	0.001	0.00050	<0.00050	0.00050

Notes are provided at the end of the table.

October 29, 2025

DB22.1334 | T01_WDW-1-MW-1_Analytical Results - Aug 2025.docx



Hydrogeologic Investigation Report UIC Wells, HF Sinclair Navajo Refinery

Table 3. WDW-1-MW-1 Analytical Results
Page 2 of 10

Parameter	Laboratory Method	Concentration (mg/L ^a)				
		NMAC Standard	Work Plan Reporting Limit	August 2025		
				Laboratory Reporting Limit	WDW-1-MW-1	WDW-1-MW-1 (Duplicate)
Lead, dissolved	200.8	0.015	0.0005	0.00050	<0.00050	<0.00050
Selenium, dissolved	200.8	0.05	0.001	0.0010	0.0023	0.0023
Silver, dissolved	200.7	0.05	0.005	0.0050	0.0097	0.010
Thallium, dissolved	200.8	0.002	0.00025	0.00025	<0.00025	0.00025
Uranium, dissolved	200.8	0.03	0.0005	0.00050	<0.00050 ^{^+}	<0.00050 ^{^+}
Mercury, total	245.1	0.002	0.0002	0.00020	<0.00020	<0.00020
Bromide	300	—	0.1	1.0 ^b	1.6	1.5
Chloride	300	250	0.5	50 ^b	1,100	1,100
Fluoride	300	1.6	0.1	1.0 ^b	0.51 J	0.51 J
Nitrate	300	10	0.1	1.0 ^b	<1.0	<1.0
Nitrite	300	1	0.1	1.0 ^b	<1.0	<1.0
Sulfate	300	600	0.5	5.0 ^b	1,900	1,900
Perchlorate	331.0	—	0.00005	0.50 ^b	0.54	0.16 J
Cyanide	335.4 ^c	0.2	0.01	0.025 ^b	<0.025	<0.025
1,2-Dibromoethane (EDB)	504.1 ^c	0.00005	0.00001	0.001	< 0.001	< 0.001
Perfluorohexane sulfonic acid (PFHxS)	537	—	0.00001	0.0000018	<0.0000018	<0.0000018
Perfluorooctane sulfonate (PFOS)	537	—	0.00001	0.0000018	<0.0000018	<0.0000018
Perfluorooctanoic acid (PFOA)	537	—	0.00001	0.0000018	<0.0000018	<0.0000018
Perfluorohexanoic acid (PFHxA)	537	—		0.0000018	0.00000052 J	0.00000052 J

Notes are provided at the end of the table.

October 29, 2025

DB22.1334 | T01_WDW-1-MW-1_Analytical Results - Aug 2025.docx



Hydrogeologic Investigation Report UIC Wells, HF Sinclair Navajo Refinery

Table 3. WDW-1-MW-1 Analytical Results
Page 3 of 10

Parameter	Laboratory Method	Concentration (mg/L ^a)				
		NMAC Standard	Work Plan Reporting Limit	August 2025		
				Laboratory Reporting Limit	WDW-1-MW-1	WDW-1-MW-1 (Duplicate)
Aldrin	8081	—	0.0001	0.00010	<0.00010	<0.00010
DDT	8081	—	0.0001	0.00010	<0.00010	<0.00010
Dieldrin	8081	—	0.0001	0.00010	<0.00010	<0.00010
Polychlorinated biphenyls (PCBs)	8082	0.0005	0.00025	0.00025	<0.00025	<0.00025
2,4,5-TP (Silvex)	8151	—	0.0001	0.00054 ^b	<0.00054	<0.00054
2,4-D (2,4-Dichlorophenoxyacetic acid)	8151	—	0.0001	0.0054 ^b	<0.0054	<0.0054
Monochlorobenzene	8260	—	0.0001	0.001 ^b	<0.001	<0.001
Thiolane 1,1 dioxide (sulfolane)	8270	—	Narrative only	0.010	<0.010	<0.010
2,4,6-Trinitrotoluene (TNT)	8330	—	0.00338	0.0011	<0.0011	<0.0011
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	8330	—	0.00338	0.0011	<0.0011	<0.0011
Octrahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	8330	—	0.00338	0.0011	0.00022 J	0.00026 J
Alkalinity, total	2320B	—	20	20	21	20
Bicarbonate	2320B	—	20	20	<20	<20
Carbonate	2320B	—	2	20	16	17
Specific conductance (µmhos/cm), lab	2510B	—	10	10	5,800	5,700
Total dissolved solids	2540C	1,000	20	50 ^b	4,600 E	4,600 E
Chlordane	8081A ^c	—	0.001	0.001	<0.001	<0.001
Endosulfan	8081A ^c	—	0.0001	0.00010	<0.00010	<0.00010

Notes are provided at the end of the table.

October 29, 2025

DB22.1334 | T01_WDW-1-MW-1_Analytical Results - Aug 2025.docx



Hydrogeologic Investigation Report UIC Wells, HF Sinclair Navajo Refinery

Table 3. WDW-1-MW-1 Analytical Results
Page 4 of 10

Parameter	Laboratory Method	Concentration (mg/L ^a)				
		NMAC Standard	Work Plan Reporting Limit	August 2025		
				Laboratory Reporting Limit	WDW-1-MW-1	WDW-1-MW-1 (Duplicate)
Endrin	8081A ^c	—	0.0001	0.00010	<0.00010	<0.00010
Heptachlor (and its epoxide)	8081A ^c	—	0.0001	0.00010	<0.00010	<0.00010
Hexachlorocyclohexane (HCH, lindane): alpha-HCH, beta-HCH, gamma-HCH, and technical-HCH	8081A ^c	—	0.0001	0.00010	<0.00010	<0.00010
Lindane	8081A ^c	—	0.0001	0.00010	<0.00010	<0.00010
Methoxychlor	8081A ^c	—	0.0001	0.00010	<0.00010	<0.00010
Toxaphene	8081A ^c	—	0.001	0.002 ^b	<0.002	<0.002
1,1,1-Trichloroethane (TCA)	8260B	0.2	0.001	0.001	<0.001	<0.001
1,1,2,2-Tetrachloroethane	8260B	0.01	0.001	0.002 ^b	<0.002	<0.002
1,1,2-Trichloroethane	8260B	0.005	0.001	0.001	<0.001	<0.001
1,1-Dichloroethane	8260B	0.025	0.001	0.001	<0.001	<0.001
1,1-Dichloroethene (1,1-DCE)	8260B	0.007	0.001	0.001	<0.001	<0.001
1,2,4-Trichlorobenzene	8260B	0.07	0.001	0.001	<0.001	<0.001
1,2-Dichlorobenzene	8260B	0.6	0.001	0.001	<0.001	<0.001
1,2-Dichloroethane (EDC)	8260B	0.005	0.001	0.001	<0.001	<0.001
1,2-Dichloropropane	8260B	0.005	0.001	0.001	<0.001	<0.001
1,4-Dichlorobenzene	8260B	0.075	0.001	0.001	<0.001	<0.001
1-Methylnaphthalene	8260B	—	0.004	0.004	<0.004	<0.004

Notes are provided at the end of the table.

October 29, 2025

DB22.1334 | T01_WDW-1-MW-1_Analytical Results - Aug 2025.docx



Hydrogeologic Investigation Report UIC Wells, HF Sinclair Navajo Refinery

Table 3. WDW-1-MW-1 Analytical Results
Page 5 of 10

Parameter	Laboratory Method	Concentration (mg/L ^a)				
		NMAC Standard	Work Plan Reporting Limit	August 2025		
				Laboratory Reporting Limit	WDW-1-MW-1	WDW-1-MW-1 (Duplicate)
2-Methylnaphthalene	8260B	—	0.004	0.004	<0.004	<0.004
Acrolein	8260B	—	0.01	0.01	<0.001	<0.001
Acrylonitrile	8260B	—	0.01	0.01	<0.001	<0.001
Benzene	8260B	0.005	0.001	0.001	0.00019 J	0.00018 J
Bromodichloromethane	8260B	—	0.001	0.001	<0.001	<0.001
Bromomethane	8260B	—	0.002	0.003 ^b	<0.003	<0.003
Carbon tetrachloride	8260B	0.005	0.001	0.001	<0.001	<0.001
Chlorobenzene	8260B	—	0.001	0.001	<0.001	<0.001
Chloroform	8260B	0.1	0.001	0.001	<0.001	<0.001
Chloromethane	8260B	—	0.001	0.003 ^b	<0.003	<0.003
Chloroethene (vinyl chloride)	8260B	—	0.001	0.002 ^b	<0.002	<0.002
cis-1,2-dichloroethene	8260B	0.07	0.001	0.001	<0.001	<0.001
Dichlorodifluoromethane (fluorocarbon-12)	8260B	—	0.001	0.001	<0.001	<0.001
Ethylbenzene	8260B	0.7	0.001	0.001	<0.001	<0.001
Methyl ethyl ketone	8260B	—	0.01	0.01	<0.01	<0.01
Methyl tertiary-butyl ether (MTBE)	8260B	0.1	0.001	0.001	<0.001	<0.001
Methylene chloride	8260B	0.005	0.001	0.0025	<0.0025	<0.0025
Naphthalene (CAS 91-20-3)	8260B	—	0.002	0.002	<0.002	<0.002
Styrene	8260B	0.1	0.001	0.001	<0.001	<0.001

Notes are provided at the end of the table.

October 29, 2025

DB22.1334 | T01_WDW-1-MW-1_Analytical Results - Aug 2025.docx



Hydrogeologic Investigation Report UIC Wells, HF Sinclair Navajo Refinery

Table 3. WDW-1-MW-1 Analytical Results
Page 6 of 10

Parameter	Laboratory Method	Concentration (mg/L ^a)				
		NMAC Standard	Work Plan Reporting Limit	August 2025		
				Laboratory Reporting Limit	WDW-1-MW-1	WDW-1-MW-1 (Duplicate)
Tetrachloroethene (PCE)	8260B	0.005	0.001	0.001	<0.001	<0.001
Tetrachloromethane (carbon tetrachloride)	8260B	0.005	0.001	0.001	<0.001	<0.001
Toluene	8260B	1	0.001	0.001	0.011	0.011
trans-1,2-Dichloroethene	8260B	0.1	0.001	0.001	<0.001	<0.001
Tribromomethane (bromoform)	8260B	—	0.001	0.001	<0.001	<0.001
Trichloroethene (TCE)	8260B	0.005	0.001	0.001	<0.001	<0.001
Trichlorofluoromethane (fluorocarbon-11)	8260B	—	0.001	0.001	<0.001	<0.001
Trichloromethane (chloroform)	8260B	—	0.001	0.001	<0.001	<0.001
Vinyl chloride	8260B	0.002	0.001	0.001	<0.001	<0.001
Xylenes (total) including m-, o-, and p-xylenes	8260B	0.62	0.002	0.0015	<0.0015	<0.0015
1,4-Dioxane	8270C ^c	—	0.001	0.00050	<0.00050	<0.00050
2,4,5-Trichlorophenol	8270C ^c	—	0.0005	0.001 ^b	<0.001	<0.001
2,4,6-Trichlorophenol	8270C ^c	—	0.0005	0.001 ^b	<0.001	<0.001
2,4-Dichlorophenol	8270C ^c	—	0.0005	0.001 ^b	<0.001	<0.001
2,4-Dinitro-o-cresol	8270C	—	0.0005	0.002 ^b	<0.002	<0.002
2,4-Dinitrotoluene	8270C ^c	—	0.0005	0.001 ^b	<0.001	<0.001
2,6-Dinitrotoluene (2,6-DNT)	8270C ^c	—	0.0005	0.001 ^b	<0.001	<0.001
3,4-Benzofluoranthene (	8270C	—	0.0005	0.00020	<0.00020	<0.00020

Notes are provided at the end of the table.

October 29, 2025

DB22.1334 | T01_WDW-1-MW-1_Analytical Results - Aug 2025.docx



Hydrogeologic Investigation Report UIC Wells, HF Sinclair Navajo Refinery

Table 3. WDW-1-MW-1 Analytical Results
Page 7 of 10

Parameter	Laboratory Method	Concentration (mg/L ^a)				
		NMAC Standard	Work Plan Reporting Limit	August 2025		
				Laboratory Reporting Limit	WDW-1-MW-1	WDW-1-MW-1 (Duplicate)
Anthracene	8270C ^c	—	0.0003	0.00020	<0.00020	<0.00020
Atrazine	8270C	0.003	0.0015	0.00050	<0.00050	<0.00050
Benzidine	8270C	—	0.0005	0.01 ^b	<0.01	<0.01
Benzo(k)fluoranthene	8270C ^c	—	0.0003	0.00020	<0.00020	0.00020
Benzo-a-pyrene	8270C ^c	0.0002	0.00014	0.000070	<0.000070	<0.000070
bis (2-chloroethyl) ether	8270C ^c	—	0.0005	0.001 ^b	<0.001	<0.001
bis (2-chloroisopropyl) ether	8270C	—	0.0005	0.001 ^b	<0.001	<0.001
Cresol (methylphenol sum)	8270C	—	0.0005	0.002	0.000508 J	0.00040 J
Di-2-ethylhexyl phthalate (DEHP)	8270C ^c	—	0.0005	0.001 ^b	<0.001	<0.001
Dibutyl phthalate	8270C ^c	—	0.0005	0.0015 ^b	ND	ND
3,3-Dichlorobenzidine	8270C ^c	—	0.0001	0.001	<0.001	<0.001
Dichloropropenes	8270C ^c	—	0.0001	0.010 ^b	<0.010	<0.010
Diethyl phthalate (DEP)	8270C ^c	—	0.0005	0.0015 ^b	<0.0015	<0.0015
Dimethyl phthalate (DMP)	8270C ^c	—	0.0005	0.001 ^b	<0.001	<0.001
Dinitrophenols	8270C ^c	—	0.0001	0.003 ^b	<0.003	<0.003
Diphenylhydrazine	8270C	—	0.0001	—	—	—
Fluoranthene	8270C ^c	—	0.0003	0.00020	<0.00020	<0.00020
Fluorene	8270C ^c	—	0.0003	0.00020	<0.00020	<0.00020
Hexachlorobenzene	8270C ^c	—	0.0005	0.005 ^b	<0.005	<0.005

Notes are provided at the end of the table.

October 29, 2025

DB22.1334 | T01_WDW-1-MW-1_Analytical Results - Aug 2025.docx



Hydrogeologic Investigation Report UIC Wells, HF Sinclair Navajo Refinery

Table 3. WDW-1-MW-1 Analytical Results
Page 8 of 10

Parameter	Laboratory Method	Concentration (mg/L ^a)				
		NMAC Standard	Work Plan Reporting Limit	August 2025		
				Laboratory Reporting Limit	WDW-1-MW-1	WDW-1-MW-1 (Duplicate)
Hexachlorobutadiene	8270C ^c	—	0.0005	0.005 ^b	<0.005	<0.005
Hexachlorocyclopentadiene	8270C ^c	—	0.0005	0.005 ^b	<0.005	<0.005
Hexachloroethane	8270C ^c	—	0.0005	0.005 ^b	<0.005	<0.005
Isophorone	8270C ^c	—	0.0005	0.001 ^b	<0.001	<0.001
m-Cresol and p-Cresol (3&4 methylphenol)	8270C	—	0.0005	0.001 ^b	0.00044 J	0.00040 J
Nitrobenzene	8270C ^c	—	0.0005	0.001 ^b	<0.001	<0.001
N-nitrosodibutylamine	8270C ^c	—	0.0005	0.010 ^b	<0.010	<0.010
N-nitrosodiethylamine	8270C	—	0.0005	0.010 ^b	<0.010	<0.010
N-nitrosodimethylamine	8270C ^c	—	0.0005	0.001 ^b	<0.001	<0.001
N-nitrosodiphenylamine	8270C ^c	—	0.0005	0.001 ^b	<0.001	<0.001
N-nitrosopyrrolidine	8270C ^c	—	0.0005	0.010 ^b	<0.010	<0.010
o-Cresol (2-methylphenol)	8270C ^c	—	0.0005	0.001 ^b	0.000068 J	<0.001
PAHs (total naphthalene plus monomethylnaphthalenes)	8270C ^c	0.03	0.0003	0.0006 ^b	<0.0006	<0.0006
Pentachlorobenzene	8270C ^c	—	0.0005	0.010 ^b	<0.010	<0.010
Pentachlorophenol	8270C ^c	0.001	0.0003	0.00033	<0.00033	<0.00033
Phenanthrene	8270C ^c	—	0.0003	0.00020	<0.00020	<0.00020
Phenol	8270C ^c	0.005	0.0005	0.010 ^b	<0.010	<0.010
Phenols, total	420.4	0.005	0.0005	0.0050	<0.0050	<0.0050

Notes are provided at the end of the table.

October 29, 2025

DB22.1334 | T01_WDW-1-MW-1_Analytical Results - Aug 2025.docx



Hydrogeologic Investigation Report UIC Wells, HF Sinclair Navajo Refinery

Table 3. WDW-1-MW-1 Analytical Results
Page 9 of 10

Parameter	Laboratory Method	Concentration (mg/L ^a)				
		NMAC Standard	Work Plan Reporting Limit	August 2025		
				Laboratory Reporting Limit	WDW-1-MW-1	WDW-1-MW-1 (Duplicate)
Prometon	8270C ^c	—	0.0005	0.010 ^b	<0.010	<0.010
Pyrene	8270C ^c	—	0.0005	0.00020	<0.00020	<0.00020
Pyridine	8270C ^c	—	0.0005	0.010 ^b	<0.010 *+	<0.010 *+
1,2,4,5-Tetrachlorobenzene	8270E	—	0.0005	0.010 ^b	<0.010	<0.010
2-Nitrophenol	8270E	—	—	0.001	<0.001	<0.001
Benzyl alcohol	8270E	—	—	0.001	0.00018 J	0.00017 J
Radium-226 and -228 combined (pCi/L)	903.0 and 904.0	5 pCi/L	<5	1.00	1.97 ± 0.943	1.783 ± 0.89
pH (s.u.), lab	9040C ^c	6–9	~2–12	0.1	9.2 HF	9.2 HF
pH (s.u.), field	Field	6–9	~2–12	—	10.09	10.09
Temperature (°C), field	Field	—	—	—	23.4	23.4
Dissolved oxygen, field	Field	—	—	—	0.75	0.75
Specific conductance (µmhos/cm), field	Field	—	—	—	5,090	5,090
Oxidation/reduction potential (mV), field	Field	—	—	—	124.9	124.9
Turbidity (NTU), field	Field	—	—	—	0.02	0.02

Notes are provided on the next page.

October 29, 2025

DB22.1334 | T01_WDW-1-MW-1_Analytical Results - Aug 2025.docx



Hydrogeologic Investigation Report UIC Wells, HF Sinclair Navajo Refinery

Table 3. WDW-1-MW-1 Analytical Results
Page 10 of 10

Source: 20.6.2.3103 NMAC and 20.6.2.7 NMAC "Toxic Parameters"

Bold indicates that the value equals or exceeds standard.

^a Unless otherwise noted.

^b Reporting limit affected, detection is higher than reporting limit.

^c Samples were tested under equivalent methods as follows: Method 335.4 was tested under SM 4500. Method 504.1 was tested under 8011. Method 8081A was tested under 8081B.

Method 8270C was tested under 8270E. Total phenols were also tested under method 420.4. Method 9040C was tested under SM 4500.

mg/L = Milligrams per liter

— = Unspecified

µmhos/cm = Micromhos per centimeter

mV = Millivolts

NTU = Nephelometric turbidity unit(s)

pCi/L = Picocuries per liter

s.u. = Standard units

NA = Not applicable

E = Result exceeded calibration range

HF = Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request

J = Result is less than the reporting limit but greater than or equal to the MDL and the concentration is approximate

U = Result is less than the sample detection limit

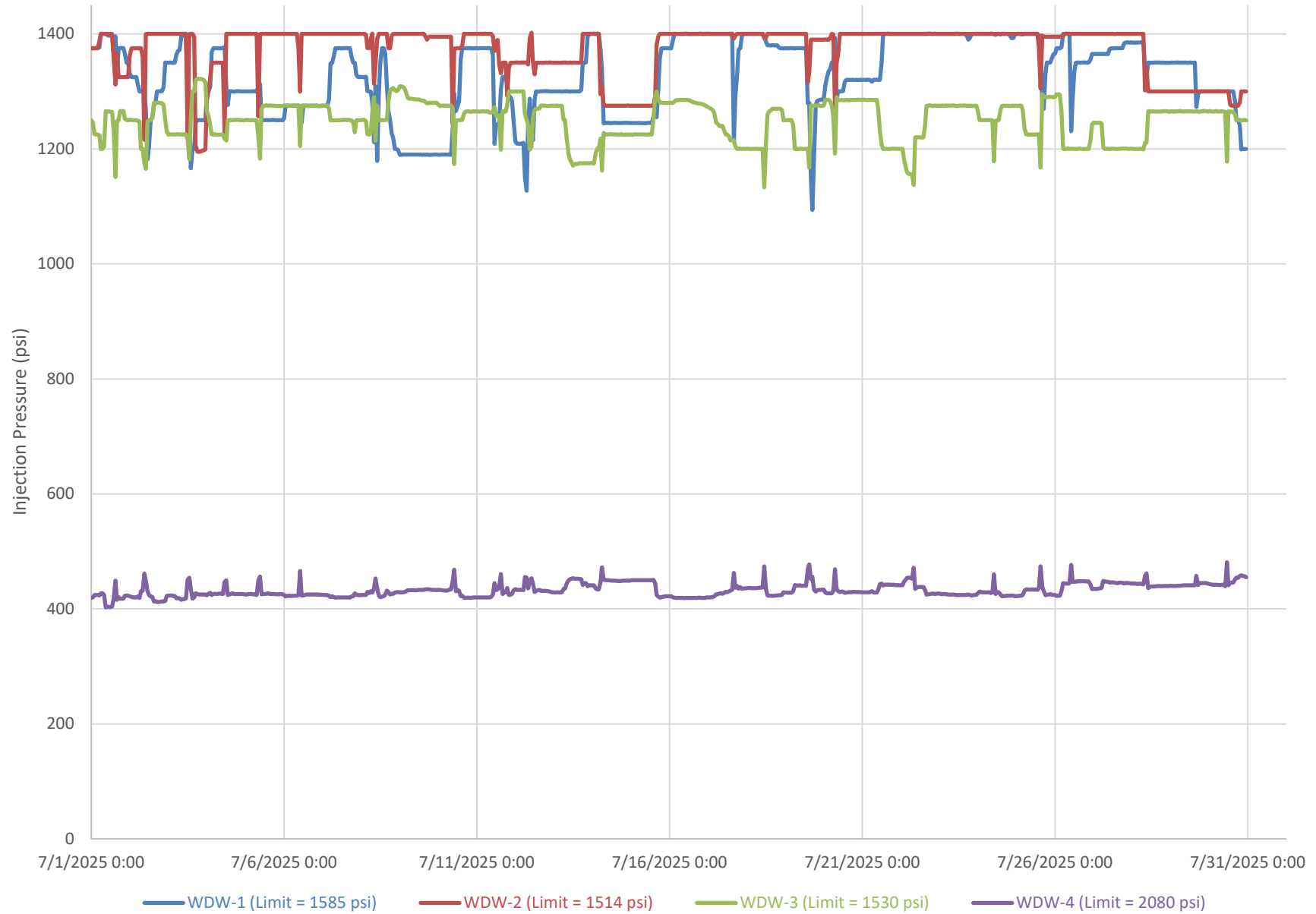
^+ = Continuing calibration verification (CCV) is outside acceptance limits, high biased

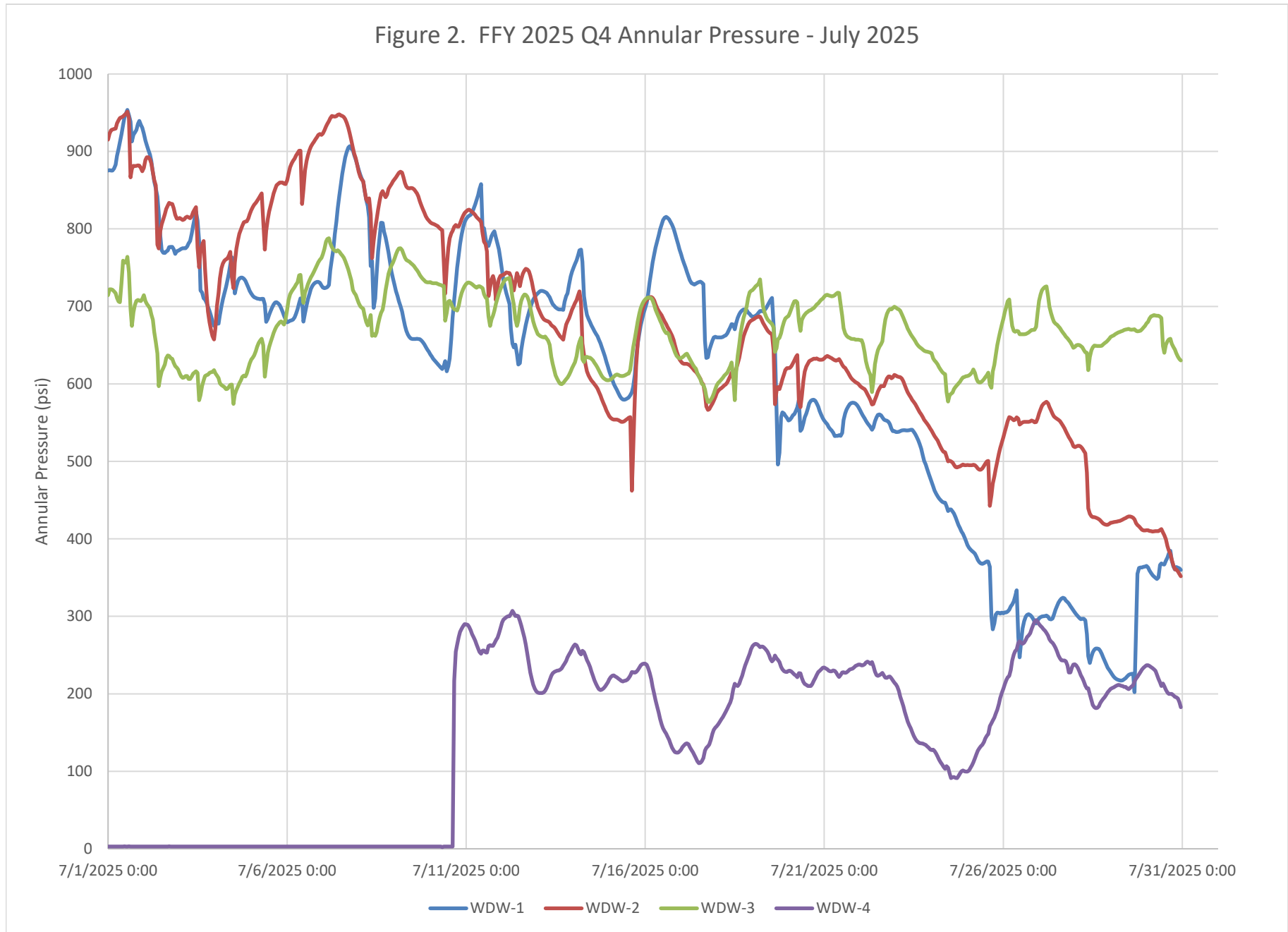
*+ = LCS and/or LCSD is outside acceptance limits, high biased



FIGURES

Figure 1. FFY 2025 Q4 Injection Pressure - July 2025





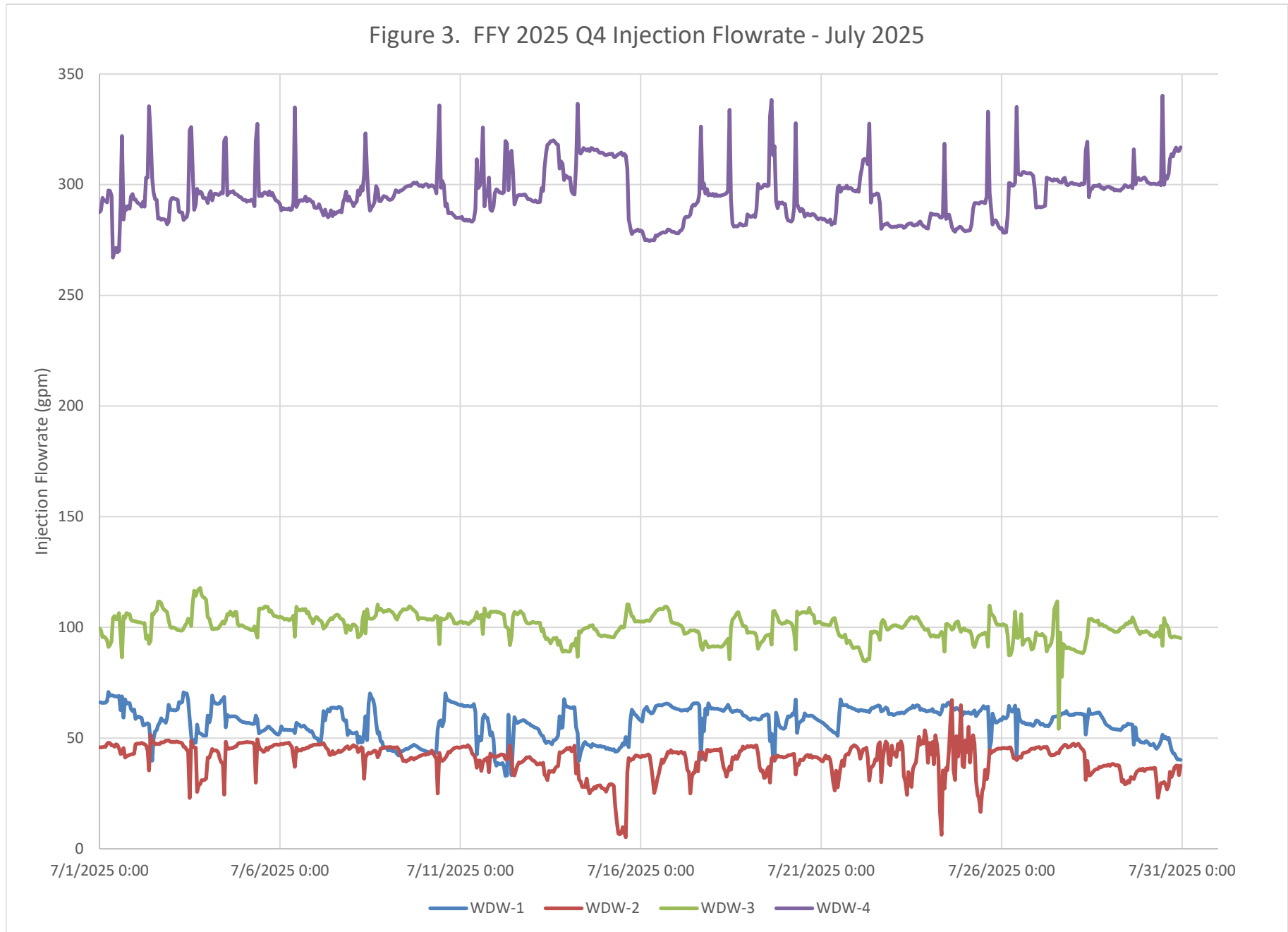


Figure 4. FFY 2025 Q4 Injection Pressure - August 2025

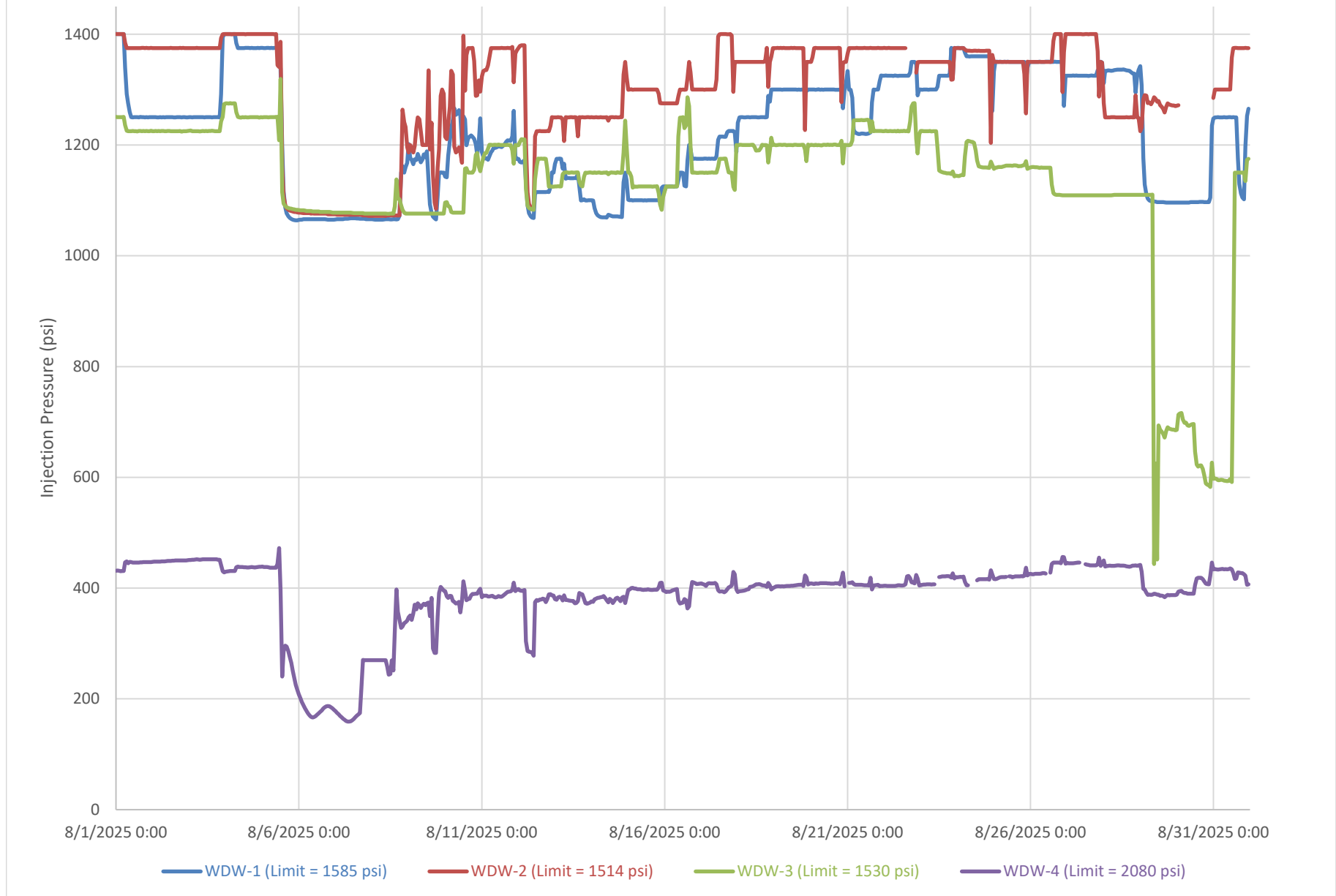


Figure 5. FFY 2025 Q4 Annular Pressure - August 2025

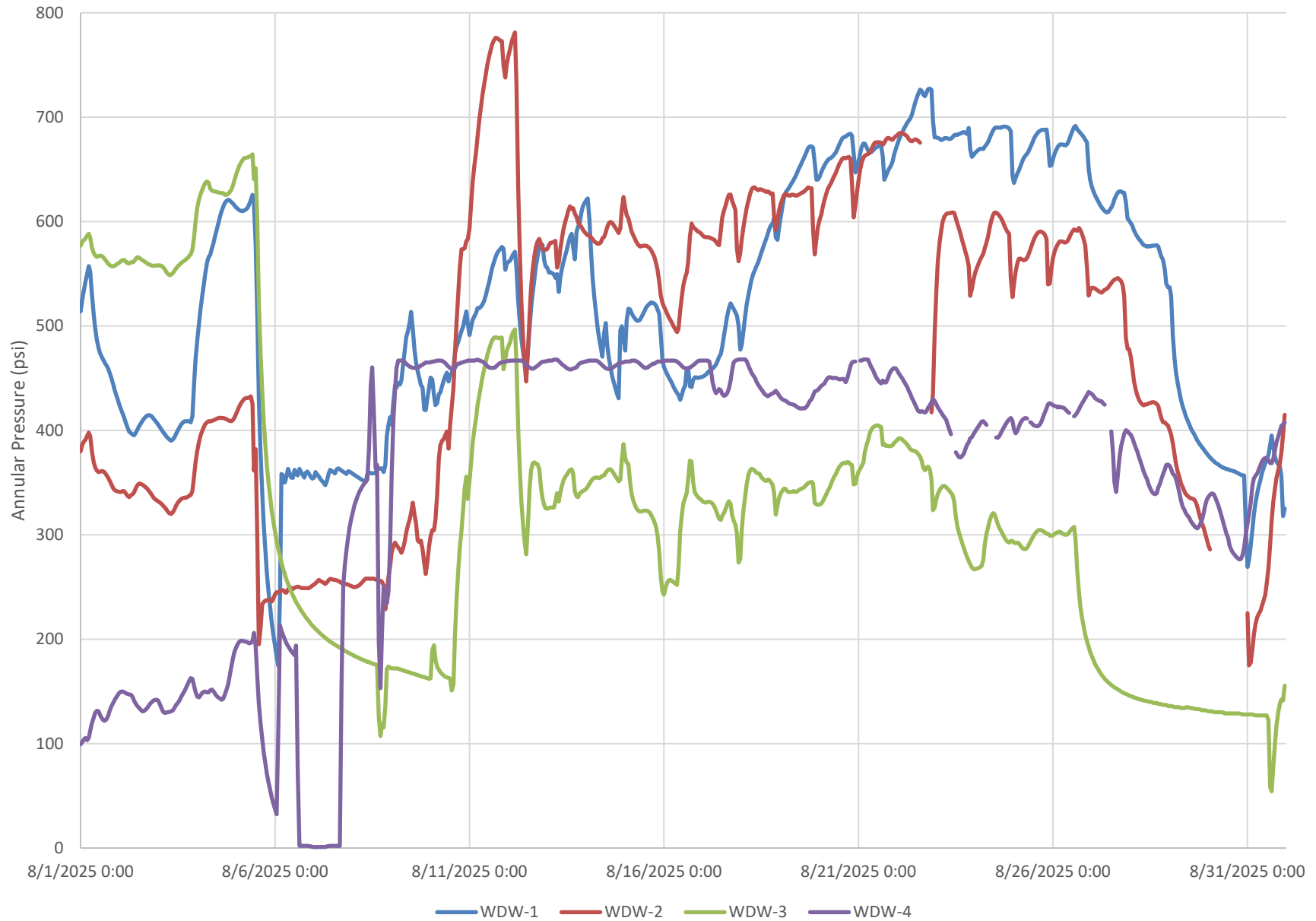
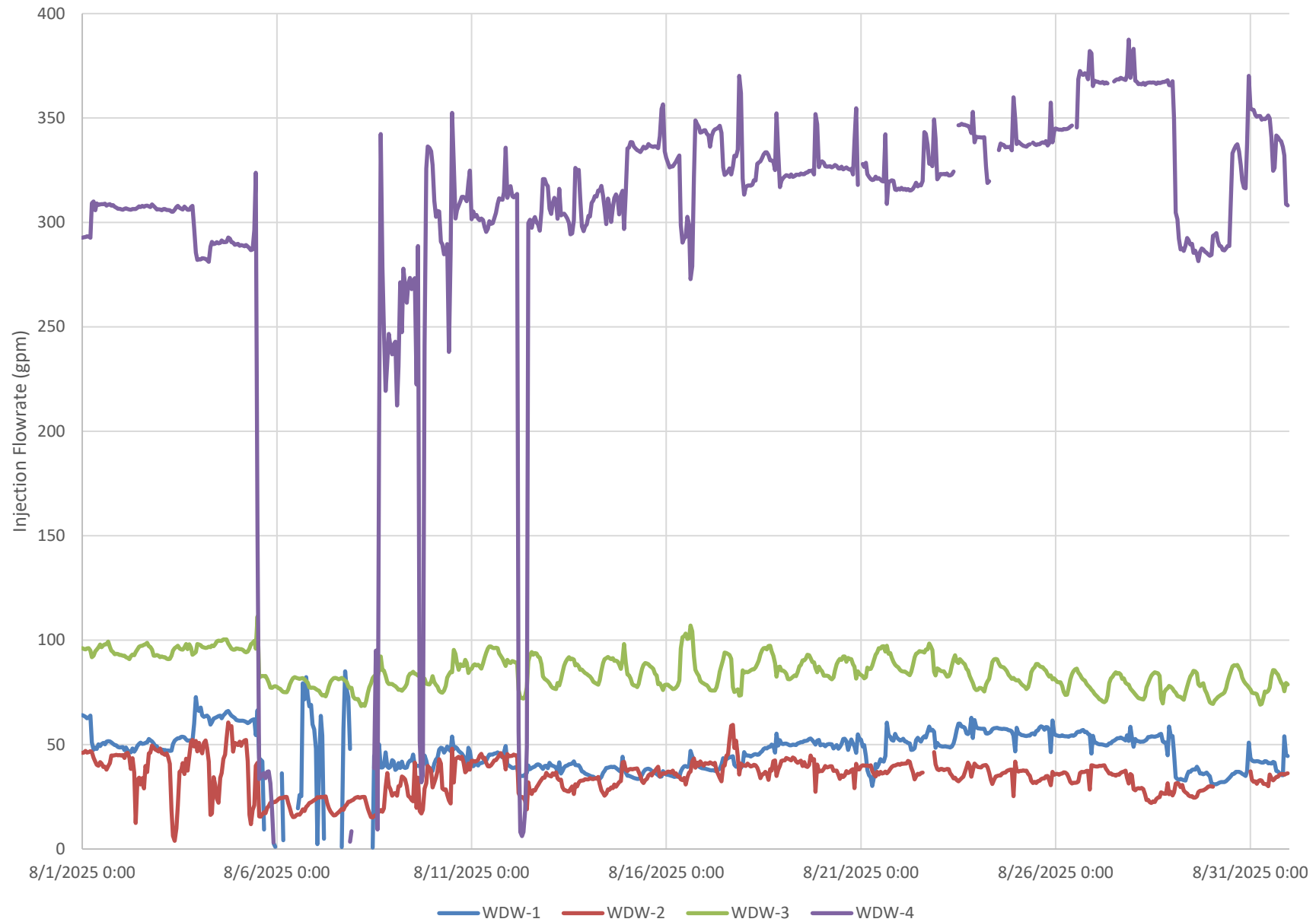


Figure 6. FFY 2025 Q4 Injection Flowrate - August 2025



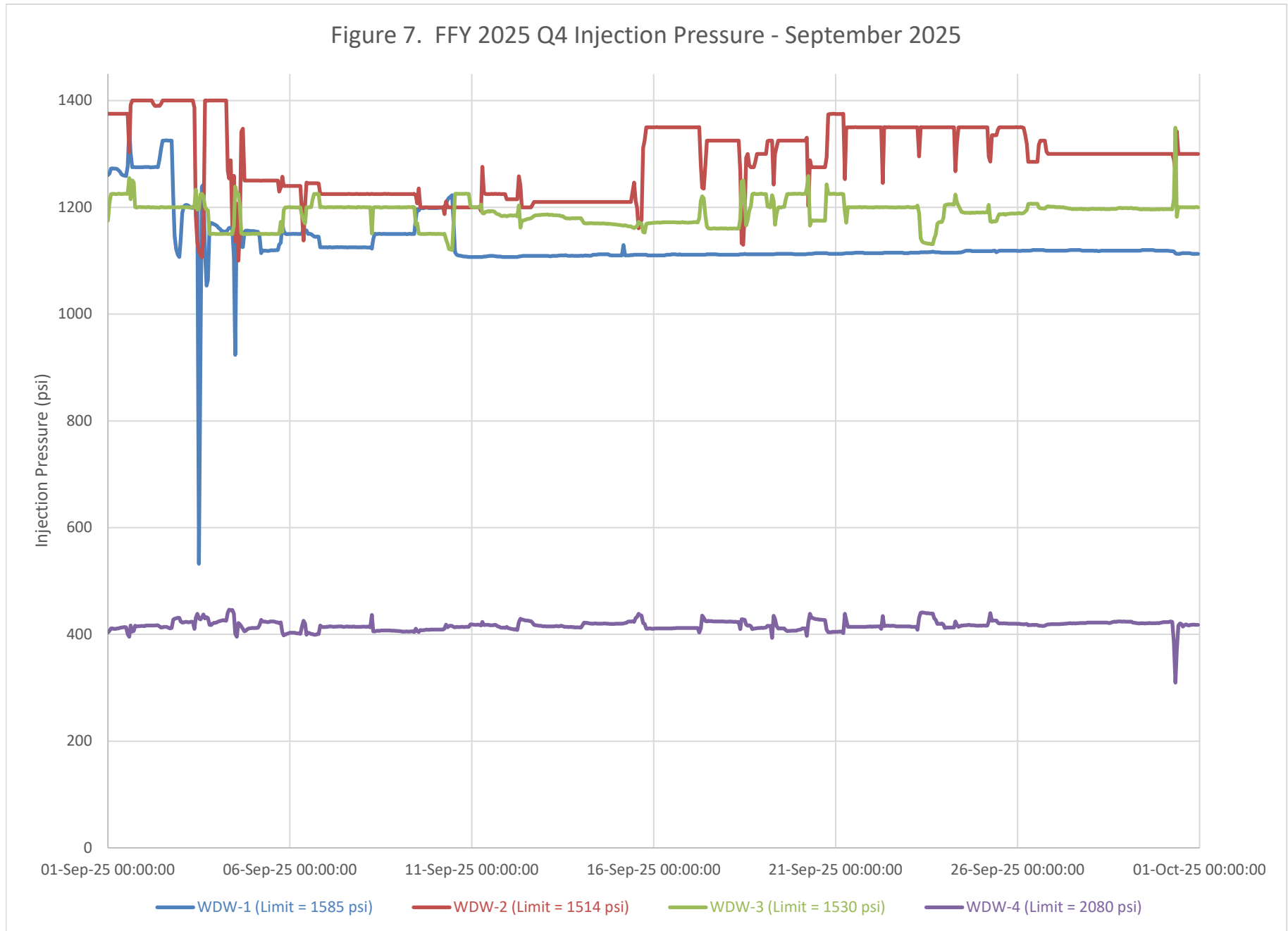
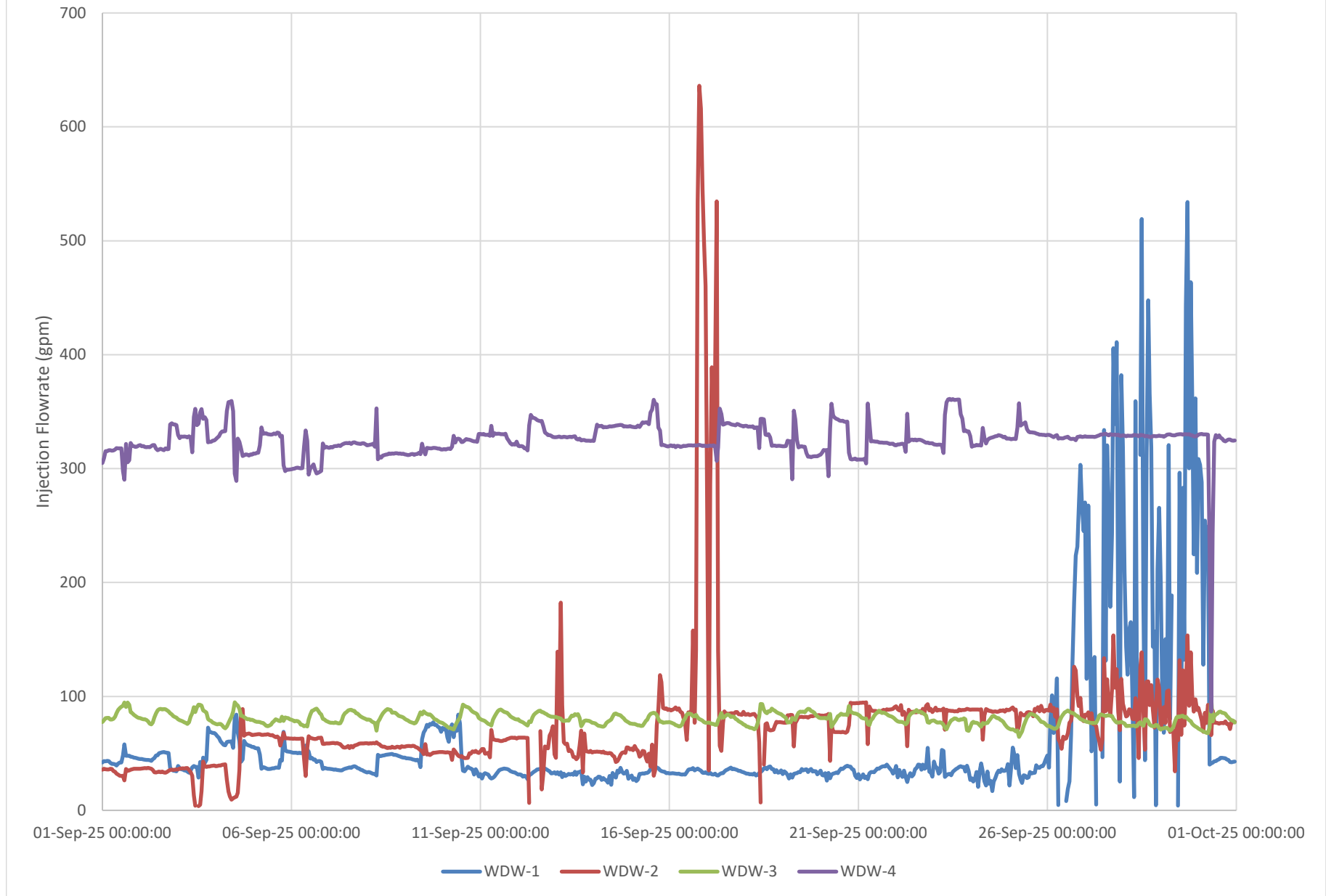


Figure 8. FFY 2025 Q4 Annular Pressure - September 2025



Figure 9. FFY 2025 Q4 Injection Flowrate - September 2025





ATTACHMENT A

Released to Imaging: 12/29/2025 2:31:56 PM
UIC Injected Fluids Analytical Lab Report



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

ANALYTICAL REPORT

PREPARED FOR

Attn: Nat Paengpongsavanh
HF Sinclair Asphalt Navajo Refining LLC
PO BOX 159
Artesia, New Mexico 88211

Generated 11/3/2025 3:03:35 PM Revision 1

JOB DESCRIPTION

Quarterly WDW-1, 2, 3, & 4 Inj Well

JOB NUMBER

885-33669-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization



Authorized for release by
Jackie Bolte, Project Manager
jackie.bolte@et.eurofinsus.com
Designee for
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Generated
11/3/2025 3:03:35 PM
Revision 1

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Laboratory Job ID: 885-33669-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Action Limit Summary	10
QC Sample Results	11
QC Association Summary	21
Lab Chronicle	25
Certification Summary	26
Chain of Custody	28
Receipt Checklists	30

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

Definitions/Glossary

Client: HF Sinclair Asphalt Navajo Refining LLC
 Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

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

Metals

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

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

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

Eurofins Albuquerque

Case Narrative

Client: HF Sinclair Asphalt Navajo Refining LLC
Project: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Job ID: 885-33669-1

Eurofins Albuquerque

Job Narrative 885-33669-1

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

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

Receipt

The sample was received on 9/19/2025 7:45 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.0°C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: WDW-1,2,3&4 Effluent (885-33669-1). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to proceed with analysis.

Specific Gravity

The specific gravity result with additional significant figures is 1.0012.

GC/MS VOA

Method 8260B: The continuing calibration verification (CCV) associated with batch 885-35367 recovered above the upper control limit for Trichloroethene (TCE). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260B: The following samples were diluted due to the abundance of non-target analytes: WDW-1,2,3&4 Effluent (885-33669-1). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method 8270E_QQQ: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (MB 885-35123/1-A). These results have been reported and qualified.

Method 8270E_QQQ: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 885-35288 and analytical batch 885-35376 recovered outside control limits for the following analytes: Pentachlorophenol and 2,4,6-Trichlorophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 885-35288 and analytical batch 885-35376 recovered outside control limits for the following analytes: Hexachlorobutadiene, Hexachloroethane and Pyridine.

Method 8270E_QQQ: Surrogate recovery for the following samples is outside the upper control limit: (LCS 885-35288/2-A), (LCSD 885-35288/3-A) and (MB 885-35288/1-A). Surrogate standard had concentrated.

Method 8270E_QQQ: Surrogate recovery for the following samples is outside the upper control limit: WDW-1,2,3&4 Effluent (885-33669-1). Surrogate standard had concentrated. Compounds associated with high failures were non-detects for the affected analytes; therefore, the data have been reported.

Eurofins Albuquerque

Case Narrative

Client: HF Sinclair Asphalt Navajo Refining LLC
Project: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Job ID: 885-33669-1 (Continued)

Eurofins Albuquerque

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

Pesticides

Method 8081B: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: WDW-1,2,3&4 Effluent (885-33669-1). The reporting limits (RLs) have been adjusted proportionately.

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

HPLC/IC

Method 300_OF_48H_PREC: The following samples were diluted due to the nature of the sample matrix: WDW-1,2,3&4 Effluent (885-33669-1). Elevated reporting limits (RLs) are provided.

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

Metals

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

General Chemistry

Method SM4500_H+: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: WDW-1,2,3&4 Effluent (885-33669-1).

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

Eurofins Albuquerque

Client Sample Results

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Client Sample ID: WDW-1,2,3&4 Effluent

Lab Sample ID: 885-33669-1

Date Collected: 09/18/25 10:19

Matrix: Water

Date Received: 09/19/25 07:45

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		200	30	ug/L			10/02/25 19:02	200
Carbon tetrachloride	ND		200	40	ug/L			09/24/25 21:52	200
Chlorobenzene	ND		200	100	ug/L			09/24/25 21:52	200
1,4-Dichlorobenzene	ND		200	40	ug/L			09/24/25 21:52	200
1,2-Dichloroethane (EDC)	ND		200	50	ug/L			09/24/25 21:52	200
1,1-Dichloroethene	ND		200	40	ug/L			09/24/25 21:52	200
2-Butanone	ND		2000	400	ug/L			09/24/25 21:52	200
Tetrachloroethene (PCE)	ND		200	40	ug/L			09/24/25 21:52	200
Trichloroethene (TCE)	ND		200	60	ug/L			09/24/25 21:52	200
Vinyl chloride	ND		200	60	ug/L			09/24/25 21:52	200
Chloroform	ND		200	50	ug/L			09/24/25 21:52	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		09/24/25 21:52	200
1,2-Dichloroethane-d4 (Surr)	88		70 - 130		10/02/25 19:02	200
Toluene-d8 (Surr)	98		70 - 130		09/24/25 21:52	200
4-Bromofluorobenzene (Surr)	96		70 - 130		09/24/25 21:52	200
Dibromofluoromethane (Surr)	105		70 - 130		09/24/25 21:52	200
Dibromofluoromethane (Surr)	100		70 - 130		10/02/25 19:02	200

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	15		10	0.63	ug/L		09/24/25 06:59	09/25/25 13:02	1
3 & 4 Methylphenol	7.2	J	10	0.66	ug/L		09/24/25 06:59	09/25/25 13:02	1
2,4-Dinitrotoluene	ND		10	0.78	ug/L		09/24/25 06:59	09/25/25 13:02	1
Hexachlorobenzene	ND		50	4.9	ug/L		09/24/25 06:59	09/25/25 13:02	1
Hexachlorobutadiene	ND	*1	50	35	ug/L		09/24/25 06:59	09/25/25 13:02	1
Hexachloroethane	ND	*1	50	33	ug/L		09/24/25 06:59	09/25/25 13:02	1
Nitrobenzene	ND		10	6.6	ug/L		09/24/25 06:59	09/25/25 13:02	1
Pentachlorophenol	ND	*+	3.3	3.3	ug/L		09/24/25 06:59	09/25/25 13:02	1
Pyridine	ND	*1	100	26	ug/L		09/24/25 06:59	09/25/25 13:02	1
2,4,5-Trichlorophenol	ND		10	0.75	ug/L		09/24/25 06:59	09/25/25 13:02	1
2,4,6-Trichlorophenol	ND	*+	10	0.82	ug/L		09/24/25 06:59	09/25/25 13:02	1
Cresols, Total	ND		2.9	2.9	ug/L		09/24/25 06:59	09/25/25 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	69		15 - 130	09/24/25 06:59	09/25/25 13:02	1
2-Fluorophenol (Surr)	101		15 - 130	09/24/25 06:59	09/25/25 13:02	1
2,4,6-Tribromophenol (Surr)	127		15 - 130	09/24/25 06:59	09/25/25 13:02	1
Nitrobenzene-d5 (Surr)	147	S1+	29 - 130	09/24/25 06:59	09/25/25 13:02	1
2-Fluorobiphenyl (Surr)	125		20 - 130	09/24/25 06:59	09/25/25 13:02	1
p-Terphenyl-d14 (Surr)	164	S1+	41 - 130	09/24/25 06:59	09/25/25 13:02	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane	ND		10	5.0	ug/L		09/23/25 11:19	09/29/25 10:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	65		53 - 130				09/23/25 11:19	09/29/25 10:45	1
Tetrachloro-m-xylene	65		18 - 130				09/23/25 11:19	09/29/25 10:45	1

Eurofins Albuquerque

Client Sample Results

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Client Sample ID: WDW-1,2,3&4 Effluent

Lab Sample ID: 885-33669-1

Date Collected: 09/18/25 10:19

Matrix: Water

Date Received: 09/19/25 07:45

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.75	J	1.0	0.50	mg/L			09/19/25 20:41	10
Chloride	650		5.0	2.5	mg/L			09/19/25 20:41	10
Nitrate Nitrite as N	1.2	J	2.0	0.22	mg/L			09/19/25 20:41	10
Sulfate	3200		50	39	mg/L			09/19/25 20:55	100
Fluoride	13		1.0	0.46	mg/L			09/19/25 20:41	10
Orthophosphate as P	ND		5.0	2.5	mg/L			09/19/25 20:41	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	570		10	4.2	mg/L			09/22/25 09:52	10
Magnesium	190		10	0.64	mg/L			09/22/25 14:13	10
Potassium	71		1.0	0.45	mg/L			09/22/25 09:50	1
Sodium	960		10	2.5	mg/L			09/22/25 14:13	10

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.032	J	0.050	0.025	mg/L		09/20/25 11:45	09/23/25 11:19	5
Barium	0.085		0.050	0.025	mg/L		09/20/25 11:45	09/23/25 11:19	5
Cadmium	ND		0.050	0.025	mg/L		09/20/25 11:45	09/23/25 11:19	5
Chromium	0.049	J	0.050	0.025	mg/L		09/20/25 11:45	09/23/25 11:19	5
Lead	ND		0.050	0.030	mg/L		09/20/25 11:45	09/23/25 11:19	5
Selenium	0.12		0.050	0.040	mg/L		09/20/25 11:45	09/23/25 11:19	5
Silver	ND		0.050	0.025	mg/L		09/20/25 11:45	09/23/25 11:19	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00016	J	0.00020	0.00012	mg/L		09/22/25 09:32	09/22/25 14:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability (SW846 1010)	>212		70.0	70.0	Degrees F			09/30/25 06:55	1
Total Dissolved Solids (SM 2540C)	6000		500	250	mg/L			09/25/25 12:04	1
Cyanide, Reactive (SW846 9014)	ND		0.25	0.25	mg/L		09/24/25 19:07	09/25/25 20:15	1
Sulfide, Reactive (SW846 9034)	ND		50	50	mg/L		09/23/25 15:15	09/23/25 18:30	1
Total Alkalinity as CaCO3 (SM 2320B)	530		50	50	mg/L			09/25/25 12:40	2.5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	530		50	50	mg/L			09/25/25 12:40	2.5
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			09/25/25 12:40	2.5
Specific Conductance (SM 2510B)	7200		10	10	umhos/cm			09/25/25 12:29	1
Total Suspended Solids (SM 2540D)	480		200	200	mg/L			09/24/25 10:39	1
Specific Gravity (SM 2710F)	1.0				NONE			10/13/25 14:30	1
pH (SM 4500 H+ B)	7.0	HF	0.01	0.01	S.U.			09/29/25 17:30	1

Eurofins Albuquerque

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CATION/ANION BALANCE SHEET FOR WATER ANALYSES

HEAL LAB NUMBER	WDW-1,2,3&4 Effluent 885-33669-1						
CATIONS	mg/L	meq/L	mg/L	meq/L	mg/L	meq/L	mg/L
Sodium	960	41.76					
Potassium	71	1.82					
Calcium	570	28.44					
Magnesium	190	15.64					
Total Cations		87.65					
ANIONS	mg/L	meq/L	mg/L	meq/L	mg/L	meq/L	mg/L
Sulfate	3200	66.63					
Chloride	650	18.34					
Bicarbonate (CaCO ₃)	530	10.59	-				
Carbonate (CaCO ₃)							
Phosphate (P)							
Nitrite (N)							
Nitrate (N)	1.2	0.09		-			
Fluoride	13	0.68					
Bromide	0.75	0.01					
Total Anions		96.33					
Elect. Cond. (µMhos/cm)	7200						
CATION/ANION RATIO		0.91					
% Difference		5					
TOTAL DISSOLVED SOLIDS RATIOS							
TDS (measured)	6000						
TDS (calculated)	5978						
Ratio meas TDS:calc TDS		1.0					
Ratio Meas. TDS:EC		0.83					
Ratio Calc. TDS:EC		0.83					
Ratio of anion sum:EC		1.3					
Ratio of cation sum:EC		1.2					

* Analyte not detected (below method detection limit).

** Values below 0.55 can be obtained in waters containing appreciable concentrations of free acid or alkalinity, or not within pH 6 to 9. Values much higher than 0.7 are possible in highly saline waters.

GENERALLY ACCEPTED RANGES

Cation/Anion balance: 0-3 meq/L- 0.2 meq/L, 3-10 meq/L- 2%, >10 meq/L - 5%

Ratio measured TDS:calculated TDS -- 1.0-1.2. Ratio Calculated TDS:EC -- 0.55-0.7. Ratio Measured TDS:EC--0.55-0.7. Ratio of anion sum:EC -- 0.9-1.1.

Ratio of cation sum:EC -- 0.9-1.1

Action Limit Summary

Client: HF Sinclair Asphalt Navajo Refining LLC
 Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Client Sample ID: WDW-1,2,3&4 Effluent

Lab Sample ID: 885-33669-1

POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

STLC limits in boxes signify the result exceeds 10x STLC limit. TCLP limits in boxes signify the result exceeds 20x TCLP limit

Analyte	Result	Qualifier	Unit	TCLP Limit	RL	Method	Prep Type
Benzene	ND		ug/L	500.0	200	8260B	Total/NA
Carbon tetrachloride	ND		ug/L	500.0	200	8260B	Total/NA
Chlorobenzene	ND		ug/L	100000	200	8260B	Total/NA
1,4-Dichlorobenzene	ND		ug/L	7500.0	200	8260B	Total/NA
1,2-Dichloroethane (EDC)	ND		ug/L	500.0	200	8260B	Total/NA
1,1-Dichloroethene	ND		ug/L	700.0	200	8260B	Total/NA
2-Butanone	ND		ug/L	200000	2000	8260B	Total/NA
Tetrachloroethene (PCE)	ND		ug/L	700.0	200	8260B	Total/NA
Trichloroethene (TCE)	ND		ug/L	500.0	200	8260B	Total/NA
Vinyl chloride	ND		ug/L	200.0	200	8260B	Total/NA
Chloroform	ND		ug/L	6000	200	8260B	Total/NA
2-Methylphenol	15		ug/L	200000	10	8270E	Total/NA
2,4-Dinitrotoluene	ND		ug/L	130.00	10	8270E	Total/NA
Hexachlorobenzene	ND		ug/L	130.00	50	8270E	Total/NA
Hexachlorobutadiene	ND	*1	ug/L	500.0	50	8270E	Total/NA
Hexachloroethane	ND	*1	ug/L	3000	50	8270E	Total/NA
Nitrobenzene	ND		ug/L	2000	10	8270E	Total/NA
Pentachlorophenol	ND	*+	ug/L	100000	3.3	8270E	Total/NA
Pyridine	ND	*1	ug/L	5000	100	8270E	Total/NA
2,4,5-Trichlorophenol	ND		ug/L	400000	10	8270E	Total/NA
2,4,6-Trichlorophenol	ND	*+	ug/L	2000	10	8270E	Total/NA
Chlordane	ND		ug/L	30.00	10	8081B	Total/NA
Arsenic	0.032	J	mg/L	5	0.050	6020A	Total Recoverable
Barium	0.085		mg/L	100	0.050	6020A	Total Recoverable
Cadmium	ND		mg/L	1	0.050	6020A	Total Recoverable
Chromium	0.049	J	mg/L	5	0.050	6020A	Total Recoverable
Lead	ND		mg/L	5	0.050	6020A	Total Recoverable
Selenium	0.12		mg/L	1	0.050	6020A	Total Recoverable
Silver	ND		mg/L	5	0.050	6020A	Total Recoverable
Mercury	0.00016	J	mg/L	0.2	0.00020	7470A	Total/NA

Eurofins Albuquerque

QC Sample Results

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-35367/5

Matrix: Water

Analysis Batch: 35367

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.15	ug/L			09/24/25 12:34	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			09/24/25 12:34	1
Chlorobenzene	ND		1.0	0.50	ug/L			09/24/25 12:34	1
1,4-Dichlorobenzene	ND		1.0	0.20	ug/L			09/24/25 12:34	1
1,2-Dichloroethane (EDC)	ND		1.0	0.25	ug/L			09/24/25 12:34	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/24/25 12:34	1
2-Butanone	ND		10	2.0	ug/L			09/24/25 12:34	1
Tetrachloroethene (PCE)	ND		1.0	0.20	ug/L			09/24/25 12:34	1
Trichloroethene (TCE)	ND		1.0	0.30	ug/L			09/24/25 12:34	1
Vinyl chloride	ND		1.0	0.30	ug/L			09/24/25 12:34	1
Chloroform	ND		1.0	0.25	ug/L			09/24/25 12:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		09/24/25 12:34	1
Toluene-d8 (Surr)	100		70 - 130		09/24/25 12:34	1
4-Bromofluorobenzene (Surr)	101		70 - 130		09/24/25 12:34	1
Dibromofluoromethane (Surr)	105		70 - 130		09/24/25 12:34	1

Lab Sample ID: LCS 885-35367/4

Matrix: Water

Analysis Batch: 35367

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	23.7		ug/L		118	70 - 130
Chlorobenzene	20.0	22.3		ug/L		112	70 - 130
1,1-Dichloroethene	20.0	22.8		ug/L		114	70 - 130
Trichloroethene (TCE)	20.0	21.7		ug/L		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
Toluene-d8 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	107		70 - 130

Lab Sample ID: MB 885-35906/5

Matrix: Water

Analysis Batch: 35906

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.15	ug/L			10/02/25 14:05	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			10/02/25 14:05	1
Chlorobenzene	ND		1.0	0.50	ug/L			10/02/25 14:05	1
1,4-Dichlorobenzene	ND		1.0	0.20	ug/L			10/02/25 14:05	1
1,2-Dichloroethane (EDC)	ND		1.0	0.25	ug/L			10/02/25 14:05	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			10/02/25 14:05	1
2-Butanone	ND		10	2.0	ug/L			10/02/25 14:05	1
Tetrachloroethene (PCE)	ND		1.0	0.20	ug/L			10/02/25 14:05	1
Trichloroethene (TCE)	ND		1.0	0.30	ug/L			10/02/25 14:05	1

Eurofins Albuquerque

QC Sample Results

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-35906/5

Matrix: Water

Analysis Batch: 35906

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/25 14:05	1
Chloroform	ND		1.0	0.25	ug/L			10/02/25 14:05	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 130					10/02/25 14:05	1
Toluene-d8 (Surr)	97		70 - 130					10/02/25 14:05	1
4-Bromofluorobenzene (Surr)	100		70 - 130					10/02/25 14:05	1
Dibromofluoromethane (Surr)	98		70 - 130					10/02/25 14:05	1

Lab Sample ID: LCS 885-35906/4

Matrix: Water

Analysis Batch: 35906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	19.9		ug/L		100	70 - 130
Chlorobenzene	20.0	20.1		ug/L		101	70 - 130
1,1-Dichloroethene	20.0	17.6		ug/L		88	70 - 130
Trichloroethene (TCE)	20.0	16.8		ug/L		84	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	97		70 - 130				
Toluene-d8 (Surr)	102		70 - 130				
4-Bromofluorobenzene (Surr)	105		70 - 130				
Dibromofluoromethane (Surr)	101		70 - 130				

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 885-35288/1-A

Matrix: Water

Analysis Batch: 35376

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		1.0	0.063	ug/L		09/24/25 06:59	09/25/25 10:42	1
3 & 4 Methylphenol	ND		1.0	0.066	ug/L		09/24/25 06:59	09/25/25 10:42	1
2,4-Dinitrotoluene	ND		1.0	0.078	ug/L		09/24/25 06:59	09/25/25 10:42	1
Hexachlorobenzene	ND		5.0	0.49	ug/L		09/24/25 06:59	09/25/25 10:42	1
Hexachlorobutadiene	ND		5.0	3.5	ug/L		09/24/25 06:59	09/25/25 10:42	1
Hexachloroethane	ND		5.0	3.3	ug/L		09/24/25 06:59	09/25/25 10:42	1
Nitrobenzene	ND		1.0	0.66	ug/L		09/24/25 06:59	09/25/25 10:42	1
Pentachlorophenol	ND		0.33	0.33	ug/L		09/24/25 06:59	09/25/25 10:42	1
Pyridine	ND		10	2.6	ug/L		09/24/25 06:59	09/25/25 10:42	1
2,4,5-Trichlorophenol	ND		1.0	0.075	ug/L		09/24/25 06:59	09/25/25 10:42	1
2,4,6-Trichlorophenol	ND		1.0	0.082	ug/L		09/24/25 06:59	09/25/25 10:42	1
Cresols, Total	ND		0.29	0.29	ug/L		09/24/25 06:59	09/25/25 10:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	75		15 - 130				09/24/25 06:59	09/25/25 10:42	1
2-Fluorophenol (Surr)	87		15 - 130				09/24/25 06:59	09/25/25 10:42	1

Eurofins Albuquerque

QC Sample Results

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 885-35288/1-A

Matrix: Water

Analysis Batch: 35376

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35288

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	116		15 - 130	09/24/25 06:59	09/25/25 10:42	1
Nitrobenzene-d5 (Surr)	138	S1+	29 - 130	09/24/25 06:59	09/25/25 10:42	1
2-Fluorobiphenyl (Surr)	131	S1+	20 - 130	09/24/25 06:59	09/25/25 10:42	1
p-Terphenyl-d14 (Surr)	139	S1+	41 - 130	09/24/25 06:59	09/25/25 10:42	1

Lab Sample ID: LCS 885-35288/2-A

Matrix: Water

Analysis Batch: 35376

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	5.71	5.85		ug/L		102	70 - 130
3 & 4 Methylphenol	5.71	5.45		ug/L		95	67 - 113
2,4-Dinitrotoluene	5.71	6.82		ug/L		119	67 - 142
Hexachlorobenzene	5.71	6.09		ug/L		107	63 - 126
Hexachlorobutadiene	5.71	ND		ug/L		36	10 - 97
Hexachloroethane	5.71	ND		ug/L		49	10 - 99
Nitrobenzene	5.71	5.91		ug/L		103	74 - 145
Pentachlorophenol	5.71	5.38		ug/L		94	41 - 102
Pyridine	17.1	5.00	J	ug/L		29	14 - 48
2,4,5-Trichlorophenol	5.71	5.77		ug/L		101	58 - 118
2,4,6-Trichlorophenol	5.71	5.71		ug/L		100	44 - 104

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	67		15 - 130
2-Fluorophenol (Surr)	82		15 - 130
2,4,6-Tribromophenol (Surr)	121		15 - 130
Nitrobenzene-d5 (Surr)	135	S1+	29 - 130
2-Fluorobiphenyl (Surr)	130		20 - 130
p-Terphenyl-d14 (Surr)	150	S1+	41 - 130

Lab Sample ID: LCSD 885-35288/3-A

Matrix: Water

Analysis Batch: 35376

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	5.71	6.37		ug/L		111	70 - 130	8	20
3 & 4 Methylphenol	5.71	5.86		ug/L		103	67 - 113	7	20
2,4-Dinitrotoluene	5.71	6.95		ug/L		122	67 - 142	2	20
Hexachlorobenzene	5.71	6.09		ug/L		107	63 - 126	0	20
Hexachlorobutadiene	5.71	ND	*1	ug/L		45	10 - 97	22	20
Hexachloroethane	5.71	3.46	J *1	ug/L		61	10 - 99	22	20
Nitrobenzene	5.71	6.20		ug/L		109	74 - 145	5	20
Pentachlorophenol	5.71	5.98	*+	ug/L		105	41 - 102	11	20
Pyridine	17.1	6.17	J *1	ug/L		36	14 - 48	21	20
2,4,5-Trichlorophenol	5.71	6.11		ug/L		107	58 - 118	6	20
2,4,6-Trichlorophenol	5.71	6.06	*+	ug/L		106	44 - 104	6	20

Eurofins Albuquerque

QC Sample Results

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 885-35288/3-A

Matrix: Water

Analysis Batch: 35376

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35288

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5 (Surr)	76		15 - 130
2-Fluorophenol (Surr)	90		15 - 130
2,4,6-Tribromophenol (Surr)	127		15 - 130
Nitrobenzene-d5 (Surr)	129		29 - 130
2-Fluorobiphenyl (Surr)	131	S1+	20 - 130
p-Terphenyl-d14 (Surr)	149	S1+	41 - 130

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 885-35238/1-A

Matrix: Water

Analysis Batch: 35578

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35238

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane	ND		1.0	0.50	ug/L		09/23/25 11:19	09/29/25 10:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	95		53 - 130				09/23/25 11:19	09/29/25 10:06	1
Tetrachloro-m-xylene	82		18 - 130				09/23/25 11:19	09/29/25 10:06	1

Lab Sample ID: LCS 885-35238/2-A

Matrix: Water

Analysis Batch: 35578

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35238

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	85		53 - 130
Tetrachloro-m-xylene	78		18 - 130

Lab Sample ID: LCSD 885-35238/3-A

Matrix: Water

Analysis Batch: 35578

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35238

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	99		53 - 130
Tetrachloro-m-xylene	76		18 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-35065/4

Matrix: Water

Analysis Batch: 35065

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			09/19/25 14:22	1
Chloride	ND		0.50	0.25	mg/L			09/19/25 14:22	1
Sulfate	ND		0.50	0.39	mg/L			09/19/25 14:22	1
Fluoride	ND		0.10	0.046	mg/L			09/19/25 14:22	1

Eurofins Albuquerque

QC Sample Results

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-35065/5

Matrix: Water

Analysis Batch: 35065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.43		mg/L		97	90 - 110
Chloride	5.00	4.94		mg/L		99	90 - 110
Sulfate	10.0	9.74		mg/L		97	90 - 110
Fluoride	0.500	0.470		mg/L		94	90 - 110

Lab Sample ID: MRL 885-35065/3

Matrix: Water

Analysis Batch: 35065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.0945	J	mg/L		94	50 - 150
Chloride	0.500	0.510		mg/L		102	50 - 150
Sulfate	0.500	0.500		mg/L		100	50 - 150
Fluoride	0.100	0.102		mg/L		102	50 - 150

Lab Sample ID: MB 885-35066/4

Matrix: Water

Analysis Batch: 35066

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	0.022	mg/L			09/19/25 14:22	1
Orthophosphate as P	ND		0.50	0.25	mg/L			09/19/25 14:22	1

Lab Sample ID: LCS 885-35066/5

Matrix: Water

Analysis Batch: 35066

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.50	2.45		mg/L		98	90 - 110
Nitrite as N	1.00	0.952		mg/L		95	90 - 110
Orthophosphate as P	5.00	4.57		mg/L		91	90 - 110

Lab Sample ID: MRL 885-35066/3

Matrix: Water

Analysis Batch: 35066

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.100	0.102		mg/L		102	50 - 150
Nitrite as N	0.100	0.102		mg/L		102	50 - 150
Orthophosphate as P	0.500	0.502		mg/L		100	50 - 150

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 885-35152/33

Matrix: Water

Analysis Batch: 35152

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.42	mg/L			09/22/25 09:37	1
Potassium	ND		1.0	0.45	mg/L			09/22/25 09:37	1

Eurofins Albuquerque

QC Sample Results

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: LCS 885-35152/34

Matrix: Water

Analysis Batch: 35152

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	46.1		mg/L		92	85 - 115
Potassium	50.0	45.0		mg/L		90	85 - 115

Lab Sample ID: MRL 885-35152/29

Matrix: Water

Analysis Batch: 35152

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.458	J	mg/L		92	50 - 150
Potassium	0.500	0.479	J	mg/L		96	50 - 150

Lab Sample ID: MB 885-35185/54

Matrix: Water

Analysis Batch: 35185

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.42	mg/L			09/22/25 13:52	1
Magnesium	ND		1.0	0.064	mg/L			09/22/25 13:52	1
Sodium	ND		1.0	0.25	mg/L			09/22/25 13:52	1

Lab Sample ID: LCS 885-35185/55

Matrix: Water

Analysis Batch: 35185

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	52.4		mg/L		105	85 - 115
Magnesium	50.0	51.7		mg/L		103	85 - 115
Sodium	50.0	53.5		mg/L		107	85 - 115

Lab Sample ID: MRL 885-35185/12

Matrix: Water

Analysis Batch: 35185

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.475	J	mg/L		95	50 - 150
Magnesium	0.500	0.474	J	mg/L		95	50 - 150
Potassium	0.500	0.459	J	mg/L		92	50 - 150
Sodium	0.500	0.528	J	mg/L		106	50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-35263/14

Matrix: Water

Analysis Batch: 35263

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00126		mg/L		126	70 - 130
Barium	0.00100	0.00105		mg/L		105	70 - 130
Cadmium	0.00100	0.00104		mg/L		104	70 - 130
Chromium	0.00100	0.00103		mg/L		103	70 - 130

Eurofins Albuquerque

QC Sample Results

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MRL 885-35263/14

Matrix: Water

Analysis Batch: 35263

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.00100	0.00102		mg/L		102	70 - 130
Selenium	0.00100	0.00129		mg/L		129	70 - 130
Silver	0.00100	0.00118		mg/L		118	70 - 130

Lab Sample ID: MB 885-35110/1-A

Matrix: Water

Analysis Batch: 35263

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 35110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		09/20/25 11:45	09/23/25 10:02	5
Barium	ND		0.0050	0.0025	mg/L		09/20/25 11:45	09/23/25 10:02	5
Cadmium	ND		0.0050	0.0025	mg/L		09/20/25 11:45	09/23/25 10:02	5
Chromium	ND		0.0050	0.0025	mg/L		09/20/25 11:45	09/23/25 10:02	5
Lead	ND		0.0050	0.0030	mg/L		09/20/25 11:45	09/23/25 10:02	5
Selenium	ND		0.0050	0.0040	mg/L		09/20/25 11:45	09/23/25 10:02	5
Silver	ND		0.0050	0.0025	mg/L		09/20/25 11:45	09/23/25 10:02	5

Lab Sample ID: LCS 885-35110/3-A

Matrix: Water

Analysis Batch: 35263

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 35110

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0473		mg/L		95	80 - 120
Barium	0.0500	0.0484		mg/L		97	80 - 120
Cadmium	0.0500	0.0483		mg/L		97	80 - 120
Chromium	0.0500	0.0502		mg/L		100	80 - 120
Lead	0.0500	0.0498		mg/L		100	80 - 120
Selenium	0.0500	0.0502		mg/L		100	80 - 120
Silver	0.0250	0.0263		mg/L		105	80 - 120

Lab Sample ID: LLCS 885-35110/2-A

Matrix: Water

Analysis Batch: 35263

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 35110

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.00100	ND		mg/L		96	70 - 130
Lead	0.00100	ND		mg/L		129	70 - 130

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-34916/9-A

Matrix: Water

Analysis Batch: 35187

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34916

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	ND		mg/L		78	50 - 150

Eurofins Albuquerque

QC Sample Results

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 885-35141/1-A

Matrix: Water

Analysis Batch: 35187

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/22/25 09:32	09/22/25 13:49	1

Lab Sample ID: LCS 885-35141/3-A

Matrix: Water

Analysis Batch: 35187

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00527		mg/L		105	85 - 115

Lab Sample ID: LLCS 885-35141/2-A

Matrix: Water

Analysis Batch: 35187

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35141

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	ND		mg/L		73	50 - 150

Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCSSRM 570-633521/1

Matrix: Water

Analysis Batch: 633521

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Ignitability	81.0	82.00		Degrees F		101.2	95.1 - 104.9

Lab Sample ID: LCSSRM 570-633521/2

Matrix: Water

Analysis Batch: 633521

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Ignitability	81.0	81.00		Degrees F		100.0	95.1 - 104.9

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-35403/1

Matrix: Water

Analysis Batch: 35403

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	25	mg/L			09/25/25 12:04	1

Lab Sample ID: LCS 885-35403/2

Matrix: Water

Analysis Batch: 35403

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1010		mg/L		101	80 - 120

Eurofins Albuquerque

QC Sample Results

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 570-630576/1-A

Matrix: Water

Analysis Batch: 631221

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 630576

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		0.25	0.25	mg/L		09/24/25 19:07	09/25/25 20:08	1

Lab Sample ID: LCS 570-630576/2-A

Matrix: Water

Analysis Batch: 631221

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 630576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	0.500	ND		mg/L		37	2 - 150

Lab Sample ID: LCSD 570-630576/3-A

Matrix: Water

Analysis Batch: 631221

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 630576

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Reactive	0.500	ND		mg/L		35	2 - 150	4	20

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 570-632603/1-A

Matrix: Water

Analysis Batch: 632610

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 632603

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		50	50	mg/L		09/23/25 15:15	09/23/25 18:30	1

Lab Sample ID: LCS 570-632603/2-A

Matrix: Water

Analysis Batch: 632610

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 632603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	500	201		mg/L		40	0 - 120

Lab Sample ID: LCSD 570-632603/3-A

Matrix: Water

Analysis Batch: 632610

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 632603

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide, Reactive	500	224		mg/L		45	0 - 120	11	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-35441/2

Matrix: Water

Analysis Batch: 35441

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO ₃	ND		20	20	mg/L			09/25/25 09:51	1
Bicarbonate Alkalinity as CaCO ₃	ND		20	20	mg/L			09/25/25 09:51	1
Carbonate Alkalinity as CaCO ₃	ND		2.0	2.0	mg/L			09/25/25 09:51	1

Eurofins Albuquerque

QC Sample Results

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 885-35441/3

Matrix: Water

Analysis Batch: 35441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO ₃	84.8	77.6		mg/L		92	90 - 110

Lab Sample ID: MRL 885-35441/1

Matrix: Water

Analysis Batch: 35441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO ₃	21.2	26.2		mg/L		123	50 - 150

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: LCS 885-35442/4

Matrix: Water

Analysis Batch: 35442

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	100	102		umhos/cm		102	85 - 115

Lab Sample ID: MRL 885-35442/3

Matrix: Water

Analysis Batch: 35442

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	9.49	ND		umhos/cm		97	50 - 150

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 885-35320/1

Matrix: Water

Analysis Batch: 35320

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/24/25 10:39	1

Lab Sample ID: LCSSRM 885-35320/2

Matrix: Water

Analysis Batch: 35320

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	101		mg/L		101.2	78.4 - 110.0

Method: SM 2710F - Specific Gravity

Lab Sample ID: MB 885-36601/1

Matrix: Water

Analysis Batch: 36601

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	0.999				NONE			10/13/25 14:29	1

Eurofins Albuquerque

QC Association Summary

Client: HF Sinclair Asphalt Navajo Refining LLC
 Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

GC/MS VOA

Analysis Batch: 35367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	8260B	
MB 885-35367/5	Method Blank	Total/NA	Water	8260B	
LCS 885-35367/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 35906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	8260B	
MB 885-35906/5	Method Blank	Total/NA	Water	8260B	
LCS 885-35906/4	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 35288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	3511	
MB 885-35288/1-A	Method Blank	Total/NA	Water	3511	
LCS 885-35288/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 885-35288/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 35376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	8270E	35288
MB 885-35288/1-A	Method Blank	Total/NA	Water	8270E	35288
LCS 885-35288/2-A	Lab Control Sample	Total/NA	Water	8270E	35288
LCSD 885-35288/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	35288

GC Semi VOA

Prep Batch: 35238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	3510C	
MB 885-35238/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-35238/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-35238/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 35578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	8081B	35238
MB 885-35238/1-A	Method Blank	Total/NA	Water	8081B	35238
LCS 885-35238/2-A	Lab Control Sample	Total/NA	Water	8081B	35238
LCSD 885-35238/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	35238

HPLC/IC

Analysis Batch: 35065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	300.0	
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	300.0	
MB 885-35065/4	Method Blank	Total/NA	Water	300.0	
LCS 885-35065/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-35065/3	Lab Control Sample	Total/NA	Water	300.0	

Eurofins Albuquerque

QC Association Summary

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

HPLC/IC

Analysis Batch: 35066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	300.0	
MB 885-35066/4	Method Blank	Total/NA	Water	300.0	
LCS 885-35066/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-35066/3	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 34916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-34916/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 35110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total Recoverable	Water	3005A	
MB 885-35110/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-35110/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
LLCS 885-35110/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 35141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	7470A	
MB 885-35141/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-35141/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-35141/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 35152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Dissolved	Water	200.7 Rev 4.4	
885-33669-1	WDW-1,2,3&4 Effluent	Dissolved	Water	200.7 Rev 4.4	
MB 885-35152/33	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 885-35152/34	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
MRL 885-35152/29	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 35185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Dissolved	Water	200.7 Rev 4.4	
MB 885-35185/54	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 885-35185/55	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
MRL 885-35185/12	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 35187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	7470A	35141
MB 885-35141/1-A	Method Blank	Total/NA	Water	7470A	35141
LCS 885-35141/3-A	Lab Control Sample	Total/NA	Water	7470A	35141
LLCS 885-35141/2-A	Lab Control Sample	Total/NA	Water	7470A	35141
MRL 885-34916/9-A	Lab Control Sample	Total/NA	Water	7470A	34916

Analysis Batch: 35263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total Recoverable	Water	6020A	35110

Eurofins Albuquerque

QC Association Summary

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Metals (Continued)

Analysis Batch: 35263 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-35110/1-A	Method Blank	Total Recoverable	Water	6020A	35110
LCS 885-35110/3-A	Lab Control Sample	Total Recoverable	Water	6020A	35110
LLCS 885-35110/2-A	Lab Control Sample	Total Recoverable	Water	6020A	35110
MRL 885-35263/14	Lab Control Sample	Total/NA	Water	6020A	

General Chemistry

Analysis Batch: 35320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	SM 2540D	
MB 885-35320/1	Method Blank	Total/NA	Water	SM 2540D	
LCSSRM 885-35320/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 35403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	2540C	
MB 885-35403/1	Method Blank	Total/NA	Water	2540C	
LCS 885-35403/2	Lab Control Sample	Total/NA	Water	2540C	

Analysis Batch: 35441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	SM 2320B	
MB 885-35441/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-35441/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-35441/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 35442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	SM 2510B	
LCS 885-35442/4	Lab Control Sample	Total/NA	Water	SM 2510B	
MRL 885-35442/3	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 36601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	SM 2710F	
MB 885-36601/1	Method Blank	Total/NA	Water	SM 2710F	

Prep Batch: 630576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	7.3.3	
MB 570-630576/1-A	Method Blank	Total/NA	Water	7.3.3	
LCS 570-630576/2-A	Lab Control Sample	Total/NA	Water	7.3.3	
LCSD 570-630576/3-A	Lab Control Sample Dup	Total/NA	Water	7.3.3	

Analysis Batch: 631221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	9014	630576
MB 570-630576/1-A	Method Blank	Total/NA	Water	9014	630576
LCS 570-630576/2-A	Lab Control Sample	Total/NA	Water	9014	630576
LCSD 570-630576/3-A	Lab Control Sample Dup	Total/NA	Water	9014	630576

Eurofins Albuquerque

QC Association Summary

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

General Chemistry

Prep Batch: 632603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	7.3.4	
MB 570-632603/1-A	Method Blank	Total/NA	Water	7.3.4	
LCS 570-632603/2-A	Lab Control Sample	Total/NA	Water	7.3.4	
LCSD 570-632603/3-A	Lab Control Sample Dup	Total/NA	Water	7.3.4	

Analysis Batch: 632610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	9034	632603
MB 570-632603/1-A	Method Blank	Total/NA	Water	9034	632603
LCS 570-632603/2-A	Lab Control Sample	Total/NA	Water	9034	632603
LCSD 570-632603/3-A	Lab Control Sample Dup	Total/NA	Water	9034	632603

Analysis Batch: 632898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 633521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33669-1	WDW-1,2,3&4 Effluent	Total/NA	Water	1010	
LCSSRM 570-633521/1	Lab Control Sample	Total/NA	Water	1010	
LCSSRM 570-633521/2	Lab Control Sample	Total/NA	Water	1010	

Lab Chronicle

Client: HF Sinclair Asphalt Navajo Refining LLC
 Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Client Sample ID: WDW-1,2,3&4 Effluent

Lab Sample ID: 885-33669-1

Date Collected: 09/18/25 10:19

Matrix: Water

Date Received: 09/19/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		200	35906	CM	EET ALB	10/02/25 19:02
Total/NA	Analysis	8260B		200	35367	CM	EET ALB	09/24/25 21:52
Total/NA	Prep	3511			35288	JM	EET ALB	09/24/25 06:59
Total/NA	Analysis	8270E		1	35376	JC	EET ALB	09/25/25 13:02
Total/NA	Prep	3510C			35238	JM	EET ALB	09/23/25 11:19
Total/NA	Analysis	8081B		1	35578	MB	EET ALB	09/29/25 10:45
Total/NA	Analysis	300.0		10	35065	RC	EET ALB	09/19/25 20:41
Total/NA	Analysis	300.0		10	35066	RC	EET ALB	09/19/25 20:41
Total/NA	Analysis	300.0		100	35065	RC	EET ALB	09/19/25 20:55
Dissolved	Analysis	200.7 Rev 4.4		1	35152	VP	EET ALB	09/22/25 09:50
Dissolved	Analysis	200.7 Rev 4.4		10	35152	VP	EET ALB	09/22/25 09:52
Dissolved	Analysis	200.7 Rev 4.4		10	35185	VP	EET ALB	09/22/25 14:13
Total Recoverable	Prep	3005A			35110	VP	EET ALB	09/20/25 11:45
Total Recoverable	Analysis	6020A		5	35263	ES	EET ALB	09/23/25 11:19
Total/NA	Prep	7470A			35141	JR	EET ALB	09/22/25 09:32
Total/NA	Analysis	7470A		1	35187	JR	EET ALB	09/22/25 14:06
Total/NA	Analysis	1010		1	633521	N9ZN	EET CAL 4	09/30/25 06:55
Total/NA	Analysis	2540C		1	35403	HR	EET ALB	09/25/25 12:04
Total/NA	Prep	7.3.3			630576	UAPD	EET CAL 4	09/24/25 19:07
Total/NA	Analysis	9014		1	631221	UAPD	EET CAL 4	09/25/25 20:15
Total/NA	Prep	7.3.4			632603	UAPD	EET CAL 4	09/23/25 15:15
Total/NA	Analysis	9034		1	632610	UAPD	EET CAL 4	09/23/25 18:30
Total/NA	Analysis	SM 2320B		2.5	35441	MA	EET ALB	09/25/25 12:40
Total/NA	Analysis	SM 2510B		1	35442	MA	EET ALB	09/25/25 12:29
Total/NA	Analysis	SM 2540D		1	35320	KS	EET ALB	09/24/25 10:39
Total/NA	Analysis	SM 2710F		1	36601	JR	EET ALB	10/13/25 14:30
Total/NA	Analysis	SM 4500 H+ B		1	632898	LNW3	EET CAL 4	09/29/25 17:30

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Eurofins Albuquerque

Accreditation/Certification Summary

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26

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

Analysis Method	Prep Method	Matrix	Analyte
200.7 Rev 4.4		Water	Calcium
200.7 Rev 4.4		Water	Magnesium
200.7 Rev 4.4		Water	Potassium
200.7 Rev 4.4		Water	Sodium
2540C		Water	Total Dissolved Solids
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate Nitrite as N
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Barium
6020A	3005A	Water	Cadmium
6020A	3005A	Water	Chromium
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
6020A	3005A	Water	Silver
7470A	7470A	Water	Mercury
8081B	3510C	Water	Chlordane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,4-Dichlorobenzene
8260B		Water	2-Butanone
8260B		Water	Benzene
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroform
8260B		Water	Tetrachloroethene (PCE)
8260B		Water	Trichloroethene (TCE)
8260B		Water	Vinyl chloride
8270E	3511	Water	2,4,5-Trichlorophenol
8270E	3511	Water	2,4,6-Trichlorophenol
8270E	3511	Water	2,4-Dinitrotoluene
8270E	3511	Water	2-Methylphenol
8270E	3511	Water	3 & 4 Methylphenol
8270E	3511	Water	Cresols, Total
8270E	3511	Water	Hexachlorobenzene
8270E	3511	Water	Hexachlorobutadiene
8270E	3511	Water	Hexachloroethane
8270E	3511	Water	Nitrobenzene
8270E	3511	Water	Pentachlorophenol
8270E	3511	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3

Eurofins Albuquerque

Accreditation/Certification Summary

Client: HF Sinclair Asphalt Navajo Refining LLC
Project/Site: Quarterly WDW-1, 2, 3, & 4 Inj Well

Job ID: 885-33669-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Total Alkalinity as CaCO ₃
SM 2510B		Water	Specific Conductance
SM 2540D		Water	Total Suspended Solids
SM 2710F		Water	Specific Gravity
Oregon	NELAP	NM100001	02-26-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8270E	3511	Water	2,4,5-Trichlorophenol
8270E	3511	Water	2,4,6-Trichlorophenol
8270E	3511	Water	2,4-Dinitrotoluene
8270E	3511	Water	2-Methylphenol
8270E	3511	Water	3 & 4 Methylphenol
8270E	3511	Water	Cresols, Total
8270E	3511	Water	Hexachlorobenzene
8270E	3511	Water	Hexachlorobutadiene
8270E	3511	Water	Hexachloroethane
8270E	3511	Water	Nitrobenzene
8270E	3511	Water	Pentachlorophenol
8270E	3511	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO ₃
SM 2320B		Water	Carbonate Alkalinity as CaCO ₃
SM 2710F		Water	Specific Gravity

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	10-20-25
Arizona	State	AZ0830	11-16-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	10-14-25
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	10-08-25
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-25

Eurofins Albuquerque

Chain-of-Custody Record

Chain-of-Custody Record

Client: HF Sinclair Navajo Refining LLC

Mailing Address: P.O. Box 159

Artesia, NM, 88211

Phone #: 802-734-2175

email or Fax#: Nat.Paengpongsovanh@hfsinclair.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:

☒ Standard ☐ Rush _____

Project Name:

Quarterly Inj Well WDW-1, 2, 3, 4

Project #:

PO# 4512504442

Project Manager:

Nat Paengpongsovanh, Jace Ragland,
Eric Flores

Sampler: Brady Hubbard

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp(Including CF): -1.8 - 0.2 = -2.0
19 by

Container Type and #

Preservative Type

HEAL No.

Specific Gravity, C/A Balance, pH, TSS

8260 TCLP Compounds

8270 TCLP Compounds

RCI

RCRA 8 Metals

8081 TCLP (Chlordane Only)

HALL ENVIRONMENTAL
ANALYSIS LAB

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM

885-33669 COC

Tel. 505-345-3975 Fax 505-345-4111

Analysis Request

Date:	Time:	Relinquished by:	Via:	Date	Time
9/18/25	1:40	Brady Hubbard	Mail	9/18/25	1340
9/18/25	1:40	Relinquished by:	Via:	Date	Time

Date:	Time:	Received by:	Via:	Date	Time
9/18/25	1:40	Brady Hubbard	Mail	9/18/25	1340
9/18/25	1:40	Received by:	Via:	Date	Time

Remarks:	Not FROZEN Yn 9/19/25
Dissolved Cations by EPA Method 200.7.	
**1-500mL Unpreserved Plastic, 1-125 mL H ₂ SO ₄ Plastic, 1-125 mL HNO ₃ Plastic **	
1-500mL unpreserved Plastic, 1-500mL NaOH/ZnAcetate Plastic	

Eurofins Albuquerque

4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record



 eurofins | Envi

Loc: 885
33669

[illegible]

Login Sample Receipt Checklist

Client: HF Sinclair Asphalt Navajo Refining LLC

Job Number: 885-33669-1

Login Number: 33669

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: HF Sinclair Asphalt Navajo Refining LLC

Job Number: 885-33669-1

Login Number: 33669

List Number: 2

Creator: Ferreira, Bruno

List Source: Eurofins Calscience

List Creation: 09/23/25 12:29 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ATTACHMENT B

WDW-1 Groundwater Monitoring Well Analytical Lab Report



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth Bastien
Daniel B. Stephens & Associates Inc.
6501 Americas Pkwy NE
Suite 200
Albuquerque, New Mexico 87110

Generated 10/1/2025 1:28:45 PM

JOB DESCRIPTION

HFSNR

JOB NUMBER

885-32182-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization



Generated
10/1/2025 1:28:45 PM

Authorized for release by
Jackie Bolte, Project Manager
jackie.bolte@et.eurofinsus.com
(505)345-3975

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Laboratory Job ID: 885-32182-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	6
Client Sample Results	9
Tracer Carrier Summary	27
QC Sample Results	28
QC Association Summary	54
Lab Chronicle	60
Certification Summary	63
Chain of Custody	68
Receipt Checklists	81



Definitions/Glossary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

HPLC/IC

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

LCMS

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

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
E	Result exceeded calibration range.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit

Definitions/Glossary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Daniel B. Stephens & Associates Inc.
Project: HFSNR

Job ID: 885-32182-1

Job ID: 885-32182-1

Eurofins Albuquerque

Job Narrative 885-32182-1

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

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

Receipt

The samples were received on 8/29/2025 8:14 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.8°C, 1.3°C, 4.2°C and 4.8°C.

GC/MS VOA

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

GC/MS Semi VOA

Method 8270E_QQQ: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 885-33674 and analytical batch 885-33850 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8270E_QQQ: The method blank for preparation batch 885-33674 and analytical batch 885-33850 contained Butyl benzyl phthalate, Di-n-octyl phthalate and Phenol above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8270E_QQQ: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 885-33674 and analytical batch 885-33850 recovered outside control limits for the following analytes: Pyridine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 885-33850 recovered above the upper control limit for 4,6-Dinitro-2-methylphenol, 4-Nitrophenol, Benzoic acid and Pyridine. The samples associated with this CCV were non-detects or j values for the affected analytes; therefore, the data have been reported. The associated samples are: WDW-1MW-1-20250828 (885-32182-1) and DUP-20250828 (885-32182-2).

Method 8270E_QQQ: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: DUP-20250828 (885-32182-2), (885-32043-B-1-B MS) and (885-32043-B-1-C MSD). These results have been reported and qualified.

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

GC Semi VOA

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

Herbicides

Method 8151A: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-619939 and analytical batch 570-623301 recovered outside control limits for the following analytes: 2,4,5-T and MCPA.

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

PCBs

Eurofins Albuquerque

Case Narrative

Client: Daniel B. Stephens & Associates Inc.
Project: HFSNR

Job ID: 885-32182-1

Job ID: 885-32182-1 (Continued)

Eurofins Albuquerque

Method 8082A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 885-33697 and analytical batch 885-34204.

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

Pesticides

Method 8081B: The continuing calibration verification (CCV) associated with batch 885-34033 recovered above the upper control limit for Toxaphene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: WDW-1MW-1-20250828 (885-32182-1) and DUP-20250828 (885-32182-2).

Method 8081B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 885-33697 and analytical batch 885-34033 recovered outside control limits for the following analytes: 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Aldrin, alpha-BHC, beta-BHC, delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, gamma-BHC (Lindane), Heptachlor, Heptachlor epoxide and Methoxychlor.

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

HPLC/IC

Method 300_OF_48H_PREC: The following samples were diluted due to the nature of the sample matrix: WDW-1MW-1-20250828 (885-32182-1) and DUP-20250828 (885-32182-2). Elevated reporting limits (RLs) are provided.

Method 8330A: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-620440. Method: 8330

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

LCMS

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

PFAS

Method 537.1: A deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows: After solid phase extraction and adjusting to the final volume, the following samples opaque in color in the collection tube which could have caused instrument clogging: WDW-1MW-1-20250828 (885-32182-1) and DUP-20250828 (885-32182-2). Thus, the samples were filtered with a 0.20um filter Lot number: 0000374374

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

Metals

Method 200.8 - Dissolved: The continuing calibration verification (CCV) associated with batch 885-34256 recovered above the upper control limit for Uranium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 245.1: The continuing calibration verification (CCV) associated with batch 885-33799 recovered above the upper control limit for Mercury. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

General Chemistry

Method 2540C_SingleDry: The analysis volume selected for the following samples produced a base result greater than 200mg before calculation of the final result: WDW-1MW-1-20250828 (885-32182-1) and DUP-20250828 (885-32182-2). Reanalysis could not be performed due to holding time exceedance. Visual inspection by analyst shows no signs of trapped moisture, report as is. The reference method specifies that no more than 200mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. As such, these data have been qualified.

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

Gas Flow Proportional Counter

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

Eurofins Albuquerque

Case Narrative

Client: Daniel B. Stephens & Associates Inc.
Project: HFSNR

Job ID: 885-32182-1

Job ID: 885-32182-1 (Continued)

Eurofins Albuquerque

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

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: WDW-1MW-1-20250828

Lab Sample ID: 885-32182-1

Date Collected: 08/28/25 14:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L			09/10/25 15:41	1
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			09/10/25 15:41	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.41	ug/L			09/10/25 15:41	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			09/10/25 15:41	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			09/10/25 15:41	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
1,1-Dichloropropene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
1,2,3-Trichloropropane	ND		2.0	0.20	ug/L			09/10/25 15:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			09/10/25 15:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.75	ug/L			09/10/25 15:41	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/10/25 15:41	1
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
1,2-Dichloroethane (EDC)	ND		1.0	0.25	ug/L			09/10/25 15:41	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/10/25 15:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
1,3-Dichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
1,3-Dichloropropane	ND		1.0	0.20	ug/L			09/10/25 15:41	1
1,4-Dichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
1-Methylnaphthalene	ND		4.0	1.0	ug/L			09/10/25 15:41	1
2,2-Dichloropropane	ND		2.0	0.25	ug/L			09/10/25 15:41	1
2-Butanone	ND		10	2.0	ug/L			09/10/25 15:41	1
2-Chlorotoluene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
2-Hexanone	ND		10	2.0	ug/L			09/10/25 15:41	1
2-Methylnaphthalene	ND		4.0	1.0	ug/L			09/10/25 15:41	1
4-Chlorotoluene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
4-Methyl-2-pentanone	ND		10	1.0	ug/L			09/10/25 15:41	1
Acetone	ND		10	2.5	ug/L			09/10/25 15:41	1
Benzene	0.19	J	1.0	0.15	ug/L			09/10/25 15:41	1
Bromobenzene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/10/25 15:41	1
Dibromochloromethane	ND		1.0	0.20	ug/L			09/10/25 15:41	1
Bromoform	ND		1.0	0.40	ug/L			09/10/25 15:41	1
Bromomethane	ND		3.0	2.0	ug/L			09/10/25 15:41	1
Carbon disulfide	ND		10	0.40	ug/L			09/10/25 15:41	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			09/10/25 15:41	1
Chlorobenzene	ND		1.0	0.50	ug/L			09/10/25 15:41	1
Chloroethane	ND		2.0	0.40	ug/L			09/10/25 15:41	1
Chloroform	ND		1.0	0.25	ug/L			09/10/25 15:41	1
Chloromethane	ND		3.0	1.0	ug/L			09/10/25 15:41	1
cis-1,2-Dichloroethene	ND		1.0	0.40	ug/L			09/10/25 15:41	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
Dibromomethane	ND		1.0	0.40	ug/L			09/10/25 15:41	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			09/10/25 15:41	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
Hexachlorobutadiene	ND		1.0	0.40	ug/L			09/10/25 15:41	1
Isopropylbenzene	ND		1.0	0.20	ug/L			09/10/25 15:41	1

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: WDW-1MW-1-20250828

Lab Sample ID: 885-32182-1

Date Collected: 08/28/25 14:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.40	ug/L			09/10/25 15:41	1
Methylene Chloride	ND		2.5	1.0	ug/L			09/10/25 15:41	1
n-Butylbenzene	ND		3.0	0.20	ug/L			09/10/25 15:41	1
N-Propylbenzene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
Naphthalene	ND		2.0	0.50	ug/L			09/10/25 15:41	1
sec-Butylbenzene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
Styrene	ND		1.0	0.25	ug/L			09/10/25 15:41	1
tert-Butylbenzene	ND		1.0	0.40	ug/L			09/10/25 15:41	1
Tetrachloroethene (PCE)	ND		1.0	0.20	ug/L			09/10/25 15:41	1
Toluene	11		1.0	0.20	ug/L			09/10/25 15:41	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/10/25 15:41	1
Trichloroethene (TCE)	ND		1.0	0.30	ug/L			09/10/25 15:41	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/10/25 15:41	1
Vinyl chloride	ND		1.0	0.30	ug/L			09/10/25 15:41	1
Xylenes, Total	ND		1.5	0.20	ug/L			09/10/25 15:41	1
Acrylonitrile	ND		10	0.75	ug/L			09/10/25 15:41	1
Acrolein	ND		10	3.3	ug/L			09/10/25 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		09/10/25 15:41	1
Toluene-d8 (Surr)	101		70 - 130		09/10/25 15:41	1
4-Bromofluorobenzene (Surr)	100		70 - 130		09/10/25 15:41	1
Dibromofluoromethane (Surr)	101		70 - 130		09/10/25 15:41	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Prometon	ND		1.0	0.22	ug/L		09/04/25 13:40	09/05/25 17:46	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.078	ug/L		09/02/25 06:57	09/04/25 17:43	1
1,2-Dichlorobenzene	ND		1.0	0.087	ug/L		09/02/25 06:57	09/04/25 17:43	1
1,3-Dichlorobenzene	ND		1.0	0.090	ug/L		09/02/25 06:57	09/04/25 17:43	1
1,4-Dichlorobenzene	ND		2.0	0.082	ug/L		09/02/25 06:57	09/04/25 17:43	1
1,4-Dioxane	ND		0.50	0.23	ug/L		09/02/25 06:57	09/04/25 17:43	1
1-Methylnaphthalene	ND		0.20	0.097	ug/L		09/02/25 06:57	09/04/25 17:43	1
2,4,5-Trichlorophenol	ND		1.0	0.075	ug/L		09/02/25 06:57	09/04/25 17:43	1
N-Nitrosodi-n-butylamine	ND		10	1.1	ug/L		09/04/25 13:40	09/05/25 17:46	1
2,4,6-Trichlorophenol	ND		1.0	0.082	ug/L		09/02/25 06:57	09/04/25 17:43	1
Pentachlorobenzene	ND		10	0.34	ug/L		09/04/25 13:40	09/05/25 17:46	1
1,2,4,5-Tetrachlorobenzene	ND		10	0.36	ug/L		09/04/25 13:40	09/05/25 17:46	1
2,4-Dichlorophenol	ND		1.0	0.072	ug/L		09/02/25 06:57	09/04/25 17:43	1
2,4-Dimethylphenol	ND		1.0	0.099	ug/L		09/02/25 06:57	09/04/25 17:43	1
N-Nitrosodiethylamine	ND		10	0.54	ug/L		09/04/25 13:40	09/05/25 17:46	1
2,4-Dinitrophenol	ND		3.0	1.4	ug/L		09/02/25 06:57	09/04/25 17:43	1
Sulfolane	ND		10	0.81	ug/L		09/04/25 13:40	09/05/25 17:46	1
2,4-Dinitrotoluene	ND		1.0	0.078	ug/L		09/02/25 06:57	09/04/25 17:43	1
N-Nitrosopyrrolidine	ND		10	0.80	ug/L		09/04/25 13:40	09/05/25 17:46	1
2,6-Dinitrotoluene	ND		1.0	0.51	ug/L		09/02/25 06:57	09/04/25 17:43	1

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: WDW-1MW-1-20250828

Lab Sample ID: 885-32182-1

Date Collected: 08/28/25 14:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		1.0	0.062	ug/L		09/02/25 06:57	09/04/25 17:43	1
2-Chlorophenol	ND		1.0	0.31	ug/L		09/02/25 06:57	09/04/25 17:43	1
2-Methylnaphthalene	ND		0.20	0.087	ug/L		09/02/25 06:57	09/04/25 17:43	1
2-Methylphenol	0.068	J	1.0	0.063	ug/L		09/02/25 06:57	09/04/25 17:43	1
2-Nitroaniline	ND		1.0	0.38	ug/L		09/02/25 06:57	09/04/25 17:43	1
2-Nitrophenol	ND		1.0	0.079	ug/L		09/02/25 06:57	09/04/25 17:43	1
3 & 4 Methylphenol	0.44	J	1.0	0.066	ug/L		09/02/25 06:57	09/04/25 17:43	1
3,3'-Dichlorobenzidine	ND		1.0	0.63	ug/L		09/02/25 06:57	09/04/25 17:43	1
3-Nitroaniline	ND		1.0	0.36	ug/L		09/02/25 06:57	09/04/25 17:43	1
4,6-Dinitro-2-methylphenol	ND		2.0	1.2	ug/L		09/02/25 06:57	09/04/25 17:43	1
4-Bromophenyl phenyl ether	ND		1.0	0.077	ug/L		09/02/25 06:57	09/04/25 17:43	1
4-Chloro-3-methylphenol	ND		1.0	0.12	ug/L		09/02/25 06:57	09/04/25 17:43	1
4-Chloroaniline	ND		1.0	0.33	ug/L		09/02/25 06:57	09/04/25 17:43	1
4-Chlorophenyl phenyl ether	ND		1.0	0.062	ug/L		09/02/25 06:57	09/04/25 17:43	1
4-Nitroaniline	ND		1.0	0.50	ug/L		09/02/25 06:57	09/04/25 17:43	1
4-Nitrophenol	ND		1.0	0.64	ug/L		09/02/25 06:57	09/04/25 17:43	1
Acenaphthene	ND		0.20	0.085	ug/L		09/02/25 06:57	09/04/25 17:43	1
Acenaphthylene	ND		0.20	0.064	ug/L		09/02/25 06:57	09/04/25 17:43	1
Aniline	ND		10	1.7	ug/L		09/02/25 06:57	09/04/25 17:43	1
Anthracene	ND		0.20	0.056	ug/L		09/02/25 06:57	09/04/25 17:43	1
Azobenzene	ND		1.0	0.49	ug/L		09/02/25 06:57	09/04/25 17:43	1
Benzo[a]anthracene	ND		0.20	0.047	ug/L		09/02/25 06:57	09/04/25 17:43	1
Atrazine	ND		0.50	0.44	ug/L		09/02/25 06:57	09/04/25 17:43	1
Benzo[a]pyrene	ND		0.070	0.057	ug/L		09/02/25 06:57	09/04/25 17:43	1
Benzo[b]fluoranthene	ND		0.20	0.066	ug/L		09/02/25 06:57	09/04/25 17:43	1
Benzidine	ND		10	2.0	ug/L		09/02/25 06:57	09/04/25 17:43	1
Benzo[g,h,i]perylene	ND		0.20	0.056	ug/L		09/02/25 06:57	09/04/25 17:43	1
Benzo[k]fluoranthene	ND		0.20	0.048	ug/L		09/02/25 06:57	09/04/25 17:43	1
Benzoic acid	13	J	15	7.1	ug/L		09/02/25 06:57	09/04/25 17:43	1
Benzyl alcohol	0.18	J	1.0	0.14	ug/L		09/02/25 06:57	09/04/25 17:43	1
Bis(2-chloroethoxy)methane	ND		1.0	0.060	ug/L		09/02/25 06:57	09/04/25 17:43	1
Bis(2-chloroethyl)ether	ND		1.0	0.090	ug/L		09/02/25 06:57	09/04/25 17:43	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.092	ug/L		09/02/25 06:57	09/04/25 17:43	1
Bis(2-ethylhexyl) phthalate	ND		1.0	0.95	ug/L		09/02/25 06:57	09/04/25 17:43	1
Butyl benzyl phthalate	ND		1.0	0.44	ug/L		09/02/25 06:57	09/04/25 17:43	1
Carbazole	ND		1.0	0.083	ug/L		09/02/25 06:57	09/04/25 17:43	1
Chrysene	ND		0.20	0.062	ug/L		09/02/25 06:57	09/04/25 17:43	1
Di-n-butyl phthalate	ND		1.5	1.1	ug/L		09/02/25 06:57	09/04/25 17:43	1
Di-n-octyl phthalate	0.13	J B	1.0	0.061	ug/L		09/02/25 06:57	09/04/25 17:43	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		09/02/25 06:57	09/04/25 17:43	1
Dibenzofuran	ND		1.0	0.075	ug/L		09/02/25 06:57	09/04/25 17:43	1
Diethyl phthalate	ND		1.5	1.5	ug/L		09/02/25 06:57	09/04/25 17:43	1
Dimethyl phthalate	ND		1.0	0.099	ug/L		09/02/25 06:57	09/04/25 17:43	1
Fluoranthene	ND		0.20	0.068	ug/L		09/02/25 06:57	09/04/25 17:43	1
Fluorene	ND		0.20	0.081	ug/L		09/02/25 06:57	09/04/25 17:43	1
Hexachlorobenzene	ND		5.0	0.49	ug/L		09/02/25 06:57	09/04/25 17:43	1
Hexachlorobutadiene	ND		5.0	3.5	ug/L		09/02/25 06:57	09/04/25 17:43	1
Hexachlorocyclopentadiene	ND		5.0	3.5	ug/L		09/02/25 06:57	09/04/25 17:43	1
Hexachloroethane	ND		5.0	3.3	ug/L		09/02/25 06:57	09/04/25 17:43	1

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: WDW-1MW-1-20250828

Lab Sample ID: 885-32182-1

Date Collected: 08/28/25 14:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.20	0.058	ug/L		09/02/25 06:57	09/04/25 17:43	1
Isophorone	ND		1.0	0.22	ug/L		09/02/25 06:57	09/04/25 17:43	1
N-Nitrosodi-n-propylamine	ND		1.0	0.65	ug/L		09/02/25 06:57	09/04/25 17:43	1
N-Nitrosodimethylamine	ND		1.0	0.29	ug/L		09/02/25 06:57	09/04/25 17:43	1
N-Nitrosodiphenylamine	ND		1.0	0.32	ug/L		09/02/25 06:57	09/04/25 17:43	1
Naphthalene	ND		0.20	0.077	ug/L		09/02/25 06:57	09/04/25 17:43	1
Nitrobenzene	ND		1.0	0.66	ug/L		09/02/25 06:57	09/04/25 17:43	1
Pentachlorophenol	ND		0.33	0.33	ug/L		09/02/25 06:57	09/04/25 17:43	1
Phenanthrene	ND		0.20	0.061	ug/L		09/02/25 06:57	09/04/25 17:43	1
Phenol	ND		1.0	0.28	ug/L		09/02/25 06:57	09/04/25 17:43	1
Pyrene	ND		0.20	0.067	ug/L		09/02/25 06:57	09/04/25 17:43	1
Pyridine	ND	*+	10	2.6	ug/L		09/02/25 06:57	09/04/25 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	31		10 - 150	09/04/25 13:40	09/05/25 17:46	1
Terphenyl-d14 (Surr)	70		28 - 150	09/04/25 13:40	09/05/25 17:46	1
2,4,6-Tribromophenol (Surr)	30		10 - 150	09/04/25 13:40	09/05/25 17:46	1
2-Fluorobiphenyl	65		25 - 139	09/04/25 13:40	09/05/25 17:46	1
2-Fluorophenol (Surr)	16		10 - 150	09/04/25 13:40	09/05/25 17:46	1
Nitrobenzene-d5 (Surr)	78		22 - 150	09/04/25 13:40	09/05/25 17:46	1
Phenol-d5 (Surr)	56		15 - 130	09/02/25 06:57	09/04/25 17:43	1
2,4,6-Tribromophenol (Surr)	82		15 - 130	09/02/25 06:57	09/04/25 17:43	1
Nitrobenzene-d5 (Surr)	126		29 - 130	09/02/25 06:57	09/04/25 17:43	1
2-Fluorobiphenyl	120		20 - 130	09/02/25 06:57	09/04/25 17:43	1
p-Terphenyl-d14 (Surr)	87		41 - 130	09/02/25 06:57	09/04/25 17:43	1
2-Fluorophenol (Surr)	54		15 - 130	09/02/25 06:57	09/04/25 17:43	1

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0095	0.0076	ug/L		09/05/25 16:11	09/06/25 17:41	1
1,2-Dibromo-3-Chloropropane	ND		0.019	0.0081	ug/L		09/05/25 16:11	09/06/25 17:41	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	*1	0.10	0.085	ug/L		09/02/25 11:21	09/06/25 17:02	1
4,4'-DDE	ND	*1	0.10	0.037	ug/L		09/02/25 11:21	09/06/25 17:02	1
4,4'-DDT	ND	*1	0.10	0.075	ug/L		09/02/25 11:21	09/06/25 17:02	1
Aldrin	ND	*1	0.10	0.067	ug/L		09/02/25 11:21	09/06/25 17:02	1
alpha-BHC	ND	*1	0.10	0.034	ug/L		09/02/25 11:21	09/06/25 17:02	1
beta-BHC	ND	*1	0.15	0.11	ug/L		09/02/25 11:21	09/06/25 17:02	1
Chlordane	ND		1.0	0.50	ug/L		09/02/25 11:21	09/06/25 17:02	1
delta-BHC	ND	*1	0.10	0.086	ug/L		09/02/25 11:21	09/06/25 17:02	1
Dieldrin	ND	*1	0.10	0.068	ug/L		09/02/25 11:21	09/06/25 17:02	1
Endosulfan I	ND	*1	0.10	0.035	ug/L		09/02/25 11:21	09/06/25 17:02	1
Endosulfan II	ND	*1	0.10	0.070	ug/L		09/02/25 11:21	09/06/25 17:02	1
Endosulfan sulfate	ND	*1	0.10	0.085	ug/L		09/02/25 11:21	09/06/25 17:02	1
Endrin	ND	*1	0.10	0.080	ug/L		09/02/25 11:21	09/06/25 17:02	1
Endrin aldehyde	ND	*1	0.10	0.072	ug/L		09/02/25 11:21	09/06/25 17:02	1
gamma-BHC (Lindane)	ND	*1	0.10	0.066	ug/L		09/02/25 11:21	09/06/25 17:02	1
Heptachlor	ND	*1	0.10	0.070	ug/L		09/02/25 11:21	09/06/25 17:02	1

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: WDW-1MW-1-20250828

Lab Sample ID: 885-32182-1

Date Collected: 08/28/25 14:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND	*1	0.10	0.036	ug/L		09/02/25 11:21	09/06/25 17:02	1
Methoxychlor	ND	*1	0.10	0.092	ug/L		09/02/25 11:21	09/06/25 17:02	1
Toxaphene	ND		2.0	0.50	ug/L		09/02/25 11:21	09/06/25 17:02	1
Chlordane (technical) Peak 1	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:02	1
Chlordane (technical) Peak 2	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:02	1
Chlordane (technical) Peak 3	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:02	1
Chlordane (technical) Peak 4	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:02	1
Chlordane (technical) Peak 5	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:02	1
Toxaphene Peak 1	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:02	1
Toxaphene Peak 2	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:02	1
Toxaphene Peak 3	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:02	1
Toxaphene Peak 4	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:02	1
Toxaphene Peak 5	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	86		53 - 130	09/02/25 11:21	09/06/25 17:02	1
Tetrachloro-m-xylene	63		18 - 130	09/02/25 11:21	09/06/25 17:02	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:18	1
PCB-1221	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:18	1
PCB-1232	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:18	1
PCB-1242	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:18	1
PCB-1248	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:18	1
PCB-1254	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:18	1
PCB-1260	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	58		15 - 137	09/02/25 11:21	09/09/25 00:18	1
DCB Decachlorobiphenyl (Surr)	62		15 - 175	09/02/25 11:21	09/09/25 00:18	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*1	0.54	0.23	ug/L		09/03/25 14:06	09/10/25 20:21	1
2,4,5-TP (Silvex)	ND		0.54	0.15	ug/L		09/03/25 14:06	09/10/25 20:21	1
2,4-D	ND		5.4	2.1	ug/L		09/03/25 14:06	09/10/25 20:21	1
2,4-DB	ND		5.4	3.8	ug/L		09/03/25 14:06	09/10/25 20:21	1
Dalapon	ND		14	5.1	ug/L		09/03/25 14:06	09/10/25 20:21	1
Dicamba	ND		0.54	0.31	ug/L		09/03/25 14:06	09/10/25 20:21	1
Dichlorprop	ND		5.4	2.1	ug/L		09/03/25 14:06	09/10/25 20:21	1
Dinoseb	ND		2.7	2.4	ug/L		09/03/25 14:06	09/10/25 20:21	1
MCPA	ND	*1	540	380	ug/L		09/03/25 14:06	09/10/25 20:21	1
MCPP	ND		540	330	ug/L		09/03/25 14:06	09/10/25 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	69		20 - 161	09/03/25 14:06	09/10/25 20:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	1.6		1.0	0.50	mg/L			08/30/25 01:22	10

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: WDW-1MW-1-20250828

Lab Sample ID: 885-32182-1

Date Collected: 08/28/25 14:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: EPA 300.0 - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		1.0	0.20	mg/L			08/30/25 01:22	10
Chloride	1100		50	25	mg/L			08/30/25 01:32	100
Nitrite	ND		1.0	0.12	mg/L			08/30/25 01:22	10
Fluoride	0.51	J	1.0	0.46	mg/L			08/30/25 01:22	10
Sulfate	1900		5.0	3.9	mg/L			08/30/25 01:22	10

Method: SW846 8330A - Nitroaromatics and Nitramines

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		1.1	0.14	ug/L		09/03/25 14:07	09/04/25 18:28	1
1,3-Dinitrobenzene	ND		1.1	0.13	ug/L		09/03/25 14:07	09/04/25 18:28	1
2,4,6-Trinitrotoluene	ND		1.1	0.66	ug/L		09/03/25 14:07	09/04/25 18:28	1
2,4-Dinitrotoluene	ND		1.1	0.17	ug/L		09/03/25 14:07	09/04/25 18:28	1
2,6-Dinitrotoluene	ND		1.1	0.080	ug/L		09/03/25 14:07	09/04/25 18:28	1
2-Amino-4,6-DNT	ND		1.1	0.087	ug/L		09/03/25 14:07	09/04/25 18:28	1
2-Nitrotoluene	ND		1.1	0.071	ug/L		09/03/25 14:07	09/04/25 18:28	1
3-Nitrotoluene	ND		1.1	0.099	ug/L		09/03/25 14:07	09/04/25 18:28	1
4-Amino-2,6-DNT	ND		1.1	0.22	ug/L		09/03/25 14:07	09/04/25 18:28	1
4-Nitrotoluene	ND		1.1	0.16	ug/L		09/03/25 14:07	09/04/25 18:28	1
HMX	0.22	J	1.1	0.12	ug/L		09/03/25 14:07	09/04/25 18:28	1
Nitrobenzene	ND		1.1	0.14	ug/L		09/03/25 14:07	09/04/25 18:28	1
RDX	ND		1.1	0.11	ug/L		09/03/25 14:07	09/04/25 18:28	1
Tetryl	ND		1.1	0.68	ug/L		09/03/25 14:07	09/04/25 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	101		60 - 150	09/03/25 14:07	09/04/25 18:28	1

Method: EPA 331.0 - Perchlorate (LC/MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	0.54		0.50	0.10	ug/L			09/09/25 15:28	5

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	0.00088	J	0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
Perfluorooctanoic acid (PFOA)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
Perfluorononanoic acid (PFNA)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
Perfluorodecanoic acid (PFDA)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
Perfluorododecanoic acid (PFDoA)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
Perfluorotridecanoic acid (PFTriDA)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: WDW-1MW-1-20250828

Lab Sample ID: 885-32182-1

Date Collected: 08/28/25 14:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
Hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0019	0.00047	ug/L		09/11/25 04:38	09/11/25 15:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	89		70 - 130				09/11/25 04:38	09/11/25 15:58	1
13C2 PFDA	97		70 - 130				09/11/25 04:38	09/11/25 15:58	1
d5-NEtFOSAA	95		70 - 130				09/11/25 04:38	09/11/25 15:58	1
13C3 HFPO-DA	86		70 - 130				09/11/25 04:38	09/11/25 15:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.020	0.017	mg/L			09/03/25 08:21	1
Barium	0.058		0.030	0.018	mg/L			09/05/25 11:19	10
Beryllium	ND		0.0020	0.0011	mg/L			09/03/25 08:21	1
Boron	1.7		0.40	0.053	mg/L			09/03/25 08:23	10
Cadmium	ND		0.0020	0.0017	mg/L			09/03/25 08:21	1
Calcium	730		10	4.2	mg/L			09/03/25 08:23	10
Chromium	ND		0.060	0.030	mg/L			09/05/25 11:19	10
Cobalt	ND		0.060	0.033	mg/L			09/05/25 11:19	10
Iron	ND		0.020	0.0093	mg/L			09/03/25 08:21	1
Magnesium	110		10	0.64	mg/L			09/03/25 08:23	10
Manganese	0.065		0.020	0.012	mg/L			09/05/25 11:19	10
Molybdenum	0.053		0.0080	0.0063	mg/L			09/03/25 08:21	1
Nickel	ND		0.10	0.040	mg/L			09/05/25 11:19	10
Potassium	31		1.0	0.45	mg/L			09/03/25 08:21	1
Sodium	430		10	2.5	mg/L			09/08/25 08:25	10
Zinc	ND		0.10	0.075	mg/L			09/05/25 11:19	10
Silver	0.0097		0.0050	0.0015	mg/L			09/03/25 08:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00044	J	0.0010	0.00028	mg/L			09/08/25 17:03	1
Arsenic	0.0013		0.00050	0.00041	mg/L			09/08/25 17:03	1
Copper	ND		0.00050	0.00030	mg/L			09/08/25 17:03	1
Lead	ND		0.00050	0.00034	mg/L			09/08/25 17:03	1
Selenium	0.0023		0.0010	0.00092	mg/L			09/08/25 17:03	1
Cadmium	ND		0.00050	0.00018	mg/L			09/08/25 17:03	1
Thallium	ND		0.00025	0.000036	mg/L			09/08/25 17:03	1
Uranium	ND	^+	0.00050	0.00019	mg/L			09/08/25 17:03	1

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		09/02/25 12:53	09/03/25 10:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4600	E	50	25	mg/L			09/03/25 16:34	1

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: WDW-1MW-1-20250828

Lab Sample ID: 885-32182-1

Date Collected: 08/28/25 14:00

Matrix: Water

Date Received: 08/29/25 08:14

General Chemistry (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total (EPA 420.4)	ND		0.0050	0.0020	mg/L			09/04/25 15:59	1
Total Alkalinity as CaCO3 (SM 2320B)	21		20	20	mg/L			09/02/25 11:40	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	ND		20	20	mg/L			09/02/25 11:40	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	16		2.0	2.0	mg/L			09/02/25 11:40	1
Specific Conductance (SM 2510B)	5800		10	10	umhos/cm			09/02/25 11:40	1
Cyanide, Total (SM 4500 CN E)	ND		0.025	0.0093	mg/L		09/03/25 13:36	09/03/25 16:18	1
pH (SM 4500 H+ B)	9.2	HF	0.1	0.1	SU			09/02/25 11:40	1

Method: EPA 903.0 - Radium-226 (GFPC)										
Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.710		0.297	0.303	1.00	0.341	pCi/L	09/04/25 08:22	09/30/25 21:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					09/04/25 08:22	09/30/25 21:02	1

Method: EPA 904.0 - Radium-228 (GFPC)										
Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-228	1.26		0.630	0.640	1.00	0.882	pCi/L	09/04/25 08:27	09/30/25 16:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					09/04/25 08:27	09/30/25 16:13	1
Y Carrier	86.4		30 - 110					09/04/25 08:27	09/30/25 16:13	1

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: DUP-20250828

Lab Sample ID: 885-32182-2

Date Collected: 08/28/25 13:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L			09/10/25 16:09	1
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			09/10/25 16:09	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.41	ug/L			09/10/25 16:09	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			09/10/25 16:09	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			09/10/25 16:09	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
1,1-Dichloropropene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
1,2,3-Trichloropropane	ND		2.0	0.20	ug/L			09/10/25 16:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			09/10/25 16:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.75	ug/L			09/10/25 16:09	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/10/25 16:09	1
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
1,2-Dichloroethane (EDC)	ND		1.0	0.25	ug/L			09/10/25 16:09	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/10/25 16:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
1,3-Dichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
1,3-Dichloropropane	ND		1.0	0.20	ug/L			09/10/25 16:09	1
1,4-Dichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
1-Methylnaphthalene	ND		4.0	1.0	ug/L			09/10/25 16:09	1
2,2-Dichloropropane	ND		2.0	0.25	ug/L			09/10/25 16:09	1
2-Butanone	ND		10	2.0	ug/L			09/10/25 16:09	1
2-Chlorotoluene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
2-Hexanone	ND		10	2.0	ug/L			09/10/25 16:09	1
2-Methylnaphthalene	ND		4.0	1.0	ug/L			09/10/25 16:09	1
4-Chlorotoluene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
4-Methyl-2-pentanone	ND		10	1.0	ug/L			09/10/25 16:09	1
Acetone	ND		10	2.5	ug/L			09/10/25 16:09	1
Benzene	0.18	J	1.0	0.15	ug/L			09/10/25 16:09	1
Bromobenzene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/10/25 16:09	1
Dibromochloromethane	ND		1.0	0.20	ug/L			09/10/25 16:09	1
Bromoform	ND		1.0	0.40	ug/L			09/10/25 16:09	1
Bromomethane	ND		3.0	2.0	ug/L			09/10/25 16:09	1
Carbon disulfide	ND		10	0.40	ug/L			09/10/25 16:09	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			09/10/25 16:09	1
Chlorobenzene	ND		1.0	0.50	ug/L			09/10/25 16:09	1
Chloroethane	ND		2.0	0.40	ug/L			09/10/25 16:09	1
Chloroform	ND		1.0	0.25	ug/L			09/10/25 16:09	1
Chloromethane	ND		3.0	1.0	ug/L			09/10/25 16:09	1
cis-1,2-Dichloroethene	ND		1.0	0.40	ug/L			09/10/25 16:09	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
Dibromomethane	ND		1.0	0.40	ug/L			09/10/25 16:09	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			09/10/25 16:09	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
Hexachlorobutadiene	ND		1.0	0.40	ug/L			09/10/25 16:09	1
Isopropylbenzene	ND		1.0	0.20	ug/L			09/10/25 16:09	1

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: DUP-20250828

Lab Sample ID: 885-32182-2

Date Collected: 08/28/25 13:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.40	ug/L			09/10/25 16:09	1
Methylene Chloride	ND		2.5	1.0	ug/L			09/10/25 16:09	1
n-Butylbenzene	ND		3.0	0.20	ug/L			09/10/25 16:09	1
N-Propylbenzene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
Naphthalene	ND		2.0	0.50	ug/L			09/10/25 16:09	1
sec-Butylbenzene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
Styrene	ND		1.0	0.25	ug/L			09/10/25 16:09	1
tert-Butylbenzene	ND		1.0	0.40	ug/L			09/10/25 16:09	1
Tetrachloroethene (PCE)	ND		1.0	0.20	ug/L			09/10/25 16:09	1
Toluene	11		1.0	0.20	ug/L			09/10/25 16:09	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/10/25 16:09	1
Trichloroethene (TCE)	ND		1.0	0.30	ug/L			09/10/25 16:09	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/10/25 16:09	1
Vinyl chloride	ND		1.0	0.30	ug/L			09/10/25 16:09	1
Xylenes, Total	ND		1.5	0.20	ug/L			09/10/25 16:09	1
Acrylonitrile	ND		10	0.75	ug/L			09/10/25 16:09	1
Acrolein	ND		10	3.3	ug/L			09/10/25 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 130		09/10/25 16:09	1
Toluene-d8 (Surr)	98		70 - 130		09/10/25 16:09	1
4-Bromofluorobenzene (Surr)	97		70 - 130		09/10/25 16:09	1
Dibromofluoromethane (Surr)	96		70 - 130		09/10/25 16:09	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Prometon	ND		1.0	0.22	ug/L		09/04/25 13:40	09/05/25 18:16	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.078	ug/L		09/02/25 06:57	09/04/25 18:19	1
1,2-Dichlorobenzene	ND		1.0	0.087	ug/L		09/02/25 06:57	09/04/25 18:19	1
1,3-Dichlorobenzene	ND		1.0	0.090	ug/L		09/02/25 06:57	09/04/25 18:19	1
1,4-Dichlorobenzene	ND		2.0	0.082	ug/L		09/02/25 06:57	09/04/25 18:19	1
1,4-Dioxane	ND		0.50	0.23	ug/L		09/02/25 06:57	09/04/25 18:19	1
1-Methylnaphthalene	ND		0.20	0.097	ug/L		09/02/25 06:57	09/04/25 18:19	1
2,4,5-Trichlorophenol	ND		1.0	0.075	ug/L		09/02/25 06:57	09/04/25 18:19	1
N-Nitrosodi-n-butylamine	ND		10	1.1	ug/L		09/04/25 13:40	09/05/25 18:16	1
2,4,6-Trichlorophenol	ND		1.0	0.082	ug/L		09/02/25 06:57	09/04/25 18:19	1
Pentachlorobenzene	ND		10	0.34	ug/L		09/04/25 13:40	09/05/25 18:16	1
1,2,4,5-Tetrachlorobenzene	ND		10	0.36	ug/L		09/04/25 13:40	09/05/25 18:16	1
2,4-Dichlorophenol	ND		1.0	0.072	ug/L		09/02/25 06:57	09/04/25 18:19	1
2,4-Dimethylphenol	ND		1.0	0.099	ug/L		09/02/25 06:57	09/04/25 18:19	1
N-Nitrosodiethylamine	ND		10	0.55	ug/L		09/04/25 13:40	09/05/25 18:16	1
2,4-Dinitrophenol	ND		3.0	1.4	ug/L		09/02/25 06:57	09/04/25 18:19	1
Sulfolane	ND		10	0.81	ug/L		09/04/25 13:40	09/05/25 18:16	1
2,4-Dinitrotoluene	ND		1.0	0.078	ug/L		09/02/25 06:57	09/04/25 18:19	1
N-Nitrosopyrrolidine	ND		10	0.80	ug/L		09/04/25 13:40	09/05/25 18:16	1
2,6-Dinitrotoluene	ND		1.0	0.51	ug/L		09/02/25 06:57	09/04/25 18:19	1

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: DUP-20250828

Lab Sample ID: 885-32182-2

Date Collected: 08/28/25 13:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		1.0	0.062	ug/L		09/02/25 06:57	09/04/25 18:19	1
2-Chlorophenol	ND		1.0	0.31	ug/L		09/02/25 06:57	09/04/25 18:19	1
2-Methylnaphthalene	ND		0.20	0.087	ug/L		09/02/25 06:57	09/04/25 18:19	1
2-Methylphenol	ND		1.0	0.063	ug/L		09/02/25 06:57	09/04/25 18:19	1
2-Nitroaniline	ND		1.0	0.38	ug/L		09/02/25 06:57	09/04/25 18:19	1
2-Nitrophenol	ND		1.0	0.079	ug/L		09/02/25 06:57	09/04/25 18:19	1
3 & 4 Methylphenol	0.40	J	1.0	0.066	ug/L		09/02/25 06:57	09/04/25 18:19	1
3,3'-Dichlorobenzidine	ND		1.0	0.63	ug/L		09/02/25 06:57	09/04/25 18:19	1
3-Nitroaniline	ND		1.0	0.36	ug/L		09/02/25 06:57	09/04/25 18:19	1
4,6-Dinitro-2-methylphenol	ND		2.0	1.2	ug/L		09/02/25 06:57	09/04/25 18:19	1
4-Bromophenyl phenyl ether	ND		1.0	0.077	ug/L		09/02/25 06:57	09/04/25 18:19	1
4-Chloro-3-methylphenol	ND		1.0	0.12	ug/L		09/02/25 06:57	09/04/25 18:19	1
4-Chloroaniline	ND		1.0	0.33	ug/L		09/02/25 06:57	09/04/25 18:19	1
4-Chlorophenyl phenyl ether	ND		1.0	0.062	ug/L		09/02/25 06:57	09/04/25 18:19	1
4-Nitroaniline	ND		1.0	0.50	ug/L		09/02/25 06:57	09/04/25 18:19	1
4-Nitrophenol	ND		1.0	0.64	ug/L		09/02/25 06:57	09/04/25 18:19	1
Acenaphthene	ND		0.20	0.085	ug/L		09/02/25 06:57	09/04/25 18:19	1
Acenaphthylene	ND		0.20	0.064	ug/L		09/02/25 06:57	09/04/25 18:19	1
Aniline	1.8	J	10	1.7	ug/L		09/02/25 06:57	09/04/25 18:19	1
Anthracene	ND		0.20	0.056	ug/L		09/02/25 06:57	09/04/25 18:19	1
Azobenzene	ND		1.0	0.49	ug/L		09/02/25 06:57	09/04/25 18:19	1
Benzo[a]anthracene	ND		0.20	0.047	ug/L		09/02/25 06:57	09/04/25 18:19	1
Atrazine	ND		0.50	0.44	ug/L		09/02/25 06:57	09/04/25 18:19	1
Benzo[a]pyrene	ND		0.070	0.057	ug/L		09/02/25 06:57	09/04/25 18:19	1
Benzo[b]fluoranthene	ND		0.20	0.066	ug/L		09/02/25 06:57	09/04/25 18:19	1
Benzidine	ND		10	2.0	ug/L		09/02/25 06:57	09/04/25 18:19	1
Benzo[g,h,i]perylene	ND		0.20	0.056	ug/L		09/02/25 06:57	09/04/25 18:19	1
Benzo[k]fluoranthene	ND		0.20	0.048	ug/L		09/02/25 06:57	09/04/25 18:19	1
Benzoic acid	ND		15	7.1	ug/L		09/02/25 06:57	09/04/25 18:19	1
Benzyl alcohol	0.17	J	1.0	0.14	ug/L		09/02/25 06:57	09/04/25 18:19	1
Bis(2-chloroethoxy)methane	ND		1.0	0.060	ug/L		09/02/25 06:57	09/04/25 18:19	1
Bis(2-chloroethyl)ether	ND		1.0	0.090	ug/L		09/02/25 06:57	09/04/25 18:19	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.092	ug/L		09/02/25 06:57	09/04/25 18:19	1
Bis(2-ethylhexyl) phthalate	ND		1.0	0.95	ug/L		09/02/25 06:57	09/04/25 18:19	1
Butyl benzyl phthalate	ND		1.0	0.44	ug/L		09/02/25 06:57	09/04/25 18:19	1
Carbazole	ND		1.0	0.083	ug/L		09/02/25 06:57	09/04/25 18:19	1
Chrysene	ND		0.20	0.062	ug/L		09/02/25 06:57	09/04/25 18:19	1
Di-n-butyl phthalate	ND		1.5	1.1	ug/L		09/02/25 06:57	09/04/25 18:19	1
Di-n-octyl phthalate	0.14	J B	1.0	0.061	ug/L		09/02/25 06:57	09/04/25 18:19	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		09/02/25 06:57	09/04/25 18:19	1
Dibenzofuran	ND		1.0	0.075	ug/L		09/02/25 06:57	09/04/25 18:19	1
Diethyl phthalate	ND		1.5	1.5	ug/L		09/02/25 06:57	09/04/25 18:19	1
Dimethyl phthalate	ND		1.0	0.099	ug/L		09/02/25 06:57	09/04/25 18:19	1
Fluoranthene	ND		0.20	0.068	ug/L		09/02/25 06:57	09/04/25 18:19	1
Fluorene	ND		0.20	0.081	ug/L		09/02/25 06:57	09/04/25 18:19	1
Hexachlorobenzene	ND		5.0	0.49	ug/L		09/02/25 06:57	09/04/25 18:19	1
Hexachlorobutadiene	ND		5.0	3.5	ug/L		09/02/25 06:57	09/04/25 18:19	1
Hexachlorocyclopentadiene	ND		5.0	3.5	ug/L		09/02/25 06:57	09/04/25 18:19	1
Hexachloroethane	ND		5.0	3.3	ug/L		09/02/25 06:57	09/04/25 18:19	1

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: DUP-20250828

Lab Sample ID: 885-32182-2

Date Collected: 08/28/25 13:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.20	0.058	ug/L		09/02/25 06:57	09/04/25 18:19	1
Isophorone	ND		1.0	0.22	ug/L		09/02/25 06:57	09/04/25 18:19	1
N-Nitrosodi-n-propylamine	ND		1.0	0.65	ug/L		09/02/25 06:57	09/04/25 18:19	1
N-Nitrosodimethylamine	ND		1.0	0.29	ug/L		09/02/25 06:57	09/04/25 18:19	1
N-Nitrosodiphenylamine	ND		1.0	0.32	ug/L		09/02/25 06:57	09/04/25 18:19	1
Naphthalene	ND		0.20	0.077	ug/L		09/02/25 06:57	09/04/25 18:19	1
Nitrobenzene	ND		1.0	0.66	ug/L		09/02/25 06:57	09/04/25 18:19	1
Pentachlorophenol	ND		0.33	0.33	ug/L		09/02/25 06:57	09/04/25 18:19	1
Phenanthrene	ND		0.20	0.061	ug/L		09/02/25 06:57	09/04/25 18:19	1
Phenol	ND		1.0	0.28	ug/L		09/02/25 06:57	09/04/25 18:19	1
Pyrene	ND		0.20	0.067	ug/L		09/02/25 06:57	09/04/25 18:19	1
Pyridine	ND	*+	10	2.6	ug/L		09/02/25 06:57	09/04/25 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	31		10 - 150	09/04/25 13:40	09/05/25 18:16	1
Terphenyl-d14 (Surr)	73		28 - 150	09/04/25 13:40	09/05/25 18:16	1
2,4,6-Tribromophenol (Surr)	26		10 - 150	09/04/25 13:40	09/05/25 18:16	1
2-Fluorobiphenyl	69		25 - 139	09/04/25 13:40	09/05/25 18:16	1
2-Fluorophenol (Surr)	13		10 - 150	09/04/25 13:40	09/05/25 18:16	1
Nitrobenzene-d5 (Surr)	78		22 - 150	09/04/25 13:40	09/05/25 18:16	1
Phenol-d5 (Surr)	58		15 - 130	09/02/25 06:57	09/04/25 18:19	1
2,4,6-Tribromophenol (Surr)	86		15 - 130	09/02/25 06:57	09/04/25 18:19	1
Nitrobenzene-d5 (Surr)	133	S1+	29 - 130	09/02/25 06:57	09/04/25 18:19	1
2-Fluorobiphenyl	125		20 - 130	09/02/25 06:57	09/04/25 18:19	1
p-Terphenyl-d14 (Surr)	93		41 - 130	09/02/25 06:57	09/04/25 18:19	1
2-Fluorophenol (Surr)	53		15 - 130	09/02/25 06:57	09/04/25 18:19	1

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0095	0.0076	ug/L		09/05/25 16:11	09/06/25 17:56	1
1,2-Dibromo-3-Chloropropane	ND		0.019	0.0080	ug/L		09/05/25 16:11	09/06/25 17:56	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	*1	0.10	0.085	ug/L		09/02/25 11:21	09/06/25 17:15	1
4,4'-DDE	ND	*1	0.10	0.037	ug/L		09/02/25 11:21	09/06/25 17:15	1
4,4'-DDT	ND	*1	0.10	0.075	ug/L		09/02/25 11:21	09/06/25 17:15	1
Aldrin	ND	*1	0.10	0.067	ug/L		09/02/25 11:21	09/06/25 17:15	1
alpha-BHC	ND	*1	0.10	0.034	ug/L		09/02/25 11:21	09/06/25 17:15	1
beta-BHC	ND	*1	0.15	0.11	ug/L		09/02/25 11:21	09/06/25 17:15	1
Chlordane	ND		1.0	0.50	ug/L		09/02/25 11:21	09/06/25 17:15	1
delta-BHC	ND	*1	0.10	0.086	ug/L		09/02/25 11:21	09/06/25 17:15	1
Dieldrin	ND	*1	0.10	0.068	ug/L		09/02/25 11:21	09/06/25 17:15	1
Endosulfan I	ND	*1	0.10	0.035	ug/L		09/02/25 11:21	09/06/25 17:15	1
Endosulfan II	ND	*1	0.10	0.070	ug/L		09/02/25 11:21	09/06/25 17:15	1
Endosulfan sulfate	ND	*1	0.10	0.085	ug/L		09/02/25 11:21	09/06/25 17:15	1
Endrin	ND	*1	0.10	0.080	ug/L		09/02/25 11:21	09/06/25 17:15	1
Endrin aldehyde	ND	*1	0.10	0.072	ug/L		09/02/25 11:21	09/06/25 17:15	1
gamma-BHC (Lindane)	ND	*1	0.10	0.066	ug/L		09/02/25 11:21	09/06/25 17:15	1
Heptachlor	ND	*1	0.10	0.070	ug/L		09/02/25 11:21	09/06/25 17:15	1

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: DUP-20250828

Lab Sample ID: 885-32182-2

Date Collected: 08/28/25 13:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND	*1	0.10	0.036	ug/L		09/02/25 11:21	09/06/25 17:15	1
Methoxychlor	ND	*1	0.10	0.092	ug/L		09/02/25 11:21	09/06/25 17:15	1
Toxaphene	ND		2.0	0.50	ug/L		09/02/25 11:21	09/06/25 17:15	1
Chlordane (technical) Peak 1	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:15	1
Chlordane (technical) Peak 2	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:15	1
Chlordane (technical) Peak 3	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:15	1
Chlordane (technical) Peak 4	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:15	1
Chlordane (technical) Peak 5	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:15	1
Toxaphene Peak 1	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:15	1
Toxaphene Peak 2	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:15	1
Toxaphene Peak 3	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:15	1
Toxaphene Peak 4	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:15	1
Toxaphene Peak 5	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	95		53 - 130	09/02/25 11:21	09/06/25 17:15	1
Tetrachloro-m-xylene	74		18 - 130	09/02/25 11:21	09/06/25 17:15	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:54	1
PCB-1221	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:54	1
PCB-1232	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:54	1
PCB-1242	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:54	1
PCB-1248	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:54	1
PCB-1254	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:54	1
PCB-1260	ND		0.25	0.25	ug/L		09/02/25 11:21	09/09/25 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	62		15 - 137	09/02/25 11:21	09/09/25 00:54	1
DCB Decachlorobiphenyl (Surr)	70		15 - 175	09/02/25 11:21	09/09/25 00:54	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*1	0.50	0.21	ug/L		09/03/25 14:06	09/10/25 20:44	1
2,4,5-TP (Silvex)	ND		0.50	0.13	ug/L		09/03/25 14:06	09/10/25 20:44	1
2,4-D	ND		5.0	1.9	ug/L		09/03/25 14:06	09/10/25 20:44	1
2,4-DB	ND		5.0	3.5	ug/L		09/03/25 14:06	09/10/25 20:44	1
Dalapon	ND		12	4.7	ug/L		09/03/25 14:06	09/10/25 20:44	1
Dicamba	ND		0.50	0.28	ug/L		09/03/25 14:06	09/10/25 20:44	1
Dichlorprop	ND		5.0	1.9	ug/L		09/03/25 14:06	09/10/25 20:44	1
Dinoseb	ND		2.5	2.2	ug/L		09/03/25 14:06	09/10/25 20:44	1
MCPA	ND	*1	500	350	ug/L		09/03/25 14:06	09/10/25 20:44	1
MCPP	ND		500	300	ug/L		09/03/25 14:06	09/10/25 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	65		20 - 161	09/03/25 14:06	09/10/25 20:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	1.5		1.0	0.50	mg/L			08/30/25 01:42	10

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: DUP-20250828

Lab Sample ID: 885-32182-2

Date Collected: 08/28/25 13:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: EPA 300.0 - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		1.0	0.20	mg/L			08/30/25 01:42	10
Chloride	1100		50	25	mg/L			08/30/25 01:52	100
Nitrite	ND		1.0	0.12	mg/L			08/30/25 01:42	10
Fluoride	0.51	J	1.0	0.46	mg/L			08/30/25 01:42	10
Sulfate	1900		5.0	3.9	mg/L			08/30/25 01:42	10

Method: SW846 8330A - Nitroaromatics and Nitramines

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		1.1	0.14	ug/L		09/03/25 14:07	09/04/25 18:51	1
1,3-Dinitrobenzene	ND		1.1	0.14	ug/L		09/03/25 14:07	09/04/25 18:51	1
2,4,6-Trinitrotoluene	ND		1.1	0.67	ug/L		09/03/25 14:07	09/04/25 18:51	1
2,4-Dinitrotoluene	ND		1.1	0.17	ug/L		09/03/25 14:07	09/04/25 18:51	1
2,6-Dinitrotoluene	ND		1.1	0.080	ug/L		09/03/25 14:07	09/04/25 18:51	1
2-Amino-4,6-DNT	ND		1.1	0.088	ug/L		09/03/25 14:07	09/04/25 18:51	1
2-Nitrotoluene	ND		1.1	0.071	ug/L		09/03/25 14:07	09/04/25 18:51	1
3-Nitrotoluene	0.11	J	1.1	0.099	ug/L		09/03/25 14:07	09/04/25 18:51	1
4-Amino-2,6-DNT	ND		1.1	0.22	ug/L		09/03/25 14:07	09/04/25 18:51	1
4-Nitrotoluene	ND		1.1	0.17	ug/L		09/03/25 14:07	09/04/25 18:51	1
HMX	0.26	J	1.1	0.12	ug/L		09/03/25 14:07	09/04/25 18:51	1
Nitrobenzene	ND		1.1	0.15	ug/L		09/03/25 14:07	09/04/25 18:51	1
RDX	ND		1.1	0.11	ug/L		09/03/25 14:07	09/04/25 18:51	1
Tetryl	ND		1.1	0.68	ug/L		09/03/25 14:07	09/04/25 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	98		60 - 150	09/03/25 14:07	09/04/25 18:51	1

Method: EPA 331.0 - Perchlorate (LC/MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	0.16	J	0.20	0.040	ug/L			09/09/25 15:39	2

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	0.00052	J	0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
Perfluorooctanoic acid (PFOA)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
Perfluorononanoic acid (PFNA)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
Perfluorodecanoic acid (PFDA)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
Perfluorotridecanoic acid (PFTriDA)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: DUP-20250828

Lab Sample ID: 885-32182-2

Date Collected: 08/28/25 13:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
Hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0018	0.00046	ug/L		09/11/25 04:38	09/11/25 16:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	89		70 - 130				09/11/25 04:38	09/11/25 16:07	1
13C2 PFDA	92		70 - 130				09/11/25 04:38	09/11/25 16:07	1
d5-NEtFOSAA	97		70 - 130				09/11/25 04:38	09/11/25 16:07	1
13C3 HFPO-DA	83		70 - 130				09/11/25 04:38	09/11/25 16:07	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.020	0.017	mg/L			09/03/25 08:35	1
Barium	0.062		0.030	0.018	mg/L			09/05/25 11:23	10
Beryllium	ND		0.0020	0.0011	mg/L			09/03/25 08:35	1
Boron	1.7		0.40	0.053	mg/L			09/03/25 08:37	10
Cadmium	ND		0.0020	0.0017	mg/L			09/03/25 08:35	1
Calcium	720		10	4.2	mg/L			09/03/25 08:37	10
Chromium	ND		0.060	0.030	mg/L			09/05/25 11:23	10
Cobalt	ND		0.060	0.033	mg/L			09/05/25 11:23	10
Iron	ND		0.020	0.0093	mg/L			09/03/25 08:35	1
Magnesium	100		10	0.64	mg/L			09/03/25 08:37	10
Manganese	0.063		0.020	0.012	mg/L			09/05/25 11:23	10
Molybdenum	0.049		0.0080	0.0063	mg/L			09/03/25 08:35	1
Nickel	ND		0.10	0.040	mg/L			09/05/25 11:23	10
Potassium	29		1.0	0.45	mg/L			09/03/25 08:35	1
Sodium	420		10	2.5	mg/L			09/08/25 08:27	10
Zinc	ND		0.10	0.075	mg/L			09/05/25 11:23	10
Silver	0.010		0.0050	0.0015	mg/L			09/03/25 08:35	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00055	J	0.0010	0.00028	mg/L			09/08/25 17:12	1
Arsenic	0.0011		0.00050	0.00041	mg/L			09/08/25 17:12	1
Copper	ND		0.00050	0.00030	mg/L			09/08/25 17:12	1
Lead	ND		0.00050	0.00034	mg/L			09/08/25 17:12	1
Selenium	0.0023		0.0010	0.00092	mg/L			09/08/25 17:12	1
Cadmium	ND		0.00050	0.00018	mg/L			09/08/25 17:12	1
Thallium	ND		0.00025	0.000036	mg/L			09/08/25 17:12	1
Uranium	ND	^+	0.00050	0.00019	mg/L			09/08/25 17:12	1

Method: EPA 245.1 - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		09/02/25 12:53	09/03/25 10:10	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4600	E	50	25	mg/L			09/03/25 16:34	1

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: DUP-20250828
Date Collected: 08/28/25 13:00
Date Received: 08/29/25 08:14

Lab Sample ID: 885-32182-2
Matrix: Water

General Chemistry (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Phenols, Total (EPA 420.4)	ND		0.0050	0.0020	mg/L			09/04/25 16:02	1	
Total Alkalinity as CaCO3 (SM 2320B)	20		20	20	mg/L			09/02/25 11:48	1	
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	ND		20	20	mg/L			09/02/25 11:48	1	
Carbonate Alkalinity as CaCO3 (SM 2320B)	17		2.0	2.0	mg/L			09/02/25 11:48	1	
Specific Conductance (SM 2510B)	5700		10	10	umhos/cm			09/02/25 11:48	1	
Cyanide, Total (SM 4500 CN E)	ND		0.025	0.0093	mg/L		09/03/25 13:36	09/03/25 16:19	1	
pH (SM 4500 H+ B)	9.2	HF	0.1	0.1	SU			09/02/25 11:48	1	

Method: EPA 903.0 - Radium-226 (GFPC)										
Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.03		0.327	0.340	1.00	0.312	pCi/L	09/04/25 08:22	09/30/25 21:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110					09/04/25 08:22	09/30/25 21:03	1

Method: EPA 904.0 - Radium-228 (GFPC)										
Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.753	U	0.546	0.550	1.00	0.831	pCi/L	09/04/25 08:27	09/30/25 16:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110					09/04/25 08:27	09/30/25 16:14	1
Y Carrier	86.0		30 - 110					09/04/25 08:27	09/30/25 16:14	1

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: Trip Blank

Lab Sample ID: 885-32182-3

Date Collected: 08/28/25 00:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L			09/10/25 12:56	1
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			09/10/25 12:56	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.41	ug/L			09/10/25 12:56	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			09/10/25 12:56	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			09/10/25 12:56	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
1,1-Dichloropropene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
1,2,3-Trichloropropane	ND		2.0	0.20	ug/L			09/10/25 12:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			09/10/25 12:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.75	ug/L			09/10/25 12:56	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/10/25 12:56	1
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
1,2-Dichloroethane (EDC)	ND		1.0	0.25	ug/L			09/10/25 12:56	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/10/25 12:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
1,3-Dichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
1,3-Dichloropropane	ND		1.0	0.20	ug/L			09/10/25 12:56	1
1,4-Dichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
1-Methylnaphthalene	ND		4.0	1.0	ug/L			09/10/25 12:56	1
2,2-Dichloropropane	ND		2.0	0.25	ug/L			09/10/25 12:56	1
2-Butanone	ND		10	2.0	ug/L			09/10/25 12:56	1
2-Chlorotoluene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
2-Hexanone	ND		10	2.0	ug/L			09/10/25 12:56	1
2-Methylnaphthalene	ND		4.0	1.0	ug/L			09/10/25 12:56	1
4-Chlorotoluene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
4-Methyl-2-pentanone	ND		10	1.0	ug/L			09/10/25 12:56	1
Acetone	ND		10	2.5	ug/L			09/10/25 12:56	1
Benzene	ND		1.0	0.15	ug/L			09/10/25 12:56	1
Bromobenzene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/10/25 12:56	1
Acrolein	ND		10	3.3	ug/L			09/10/25 12:56	1
Dibromochloromethane	ND		1.0	0.20	ug/L			09/10/25 12:56	1
Acrylonitrile	ND		10	0.75	ug/L			09/10/25 12:56	1
Bromoform	ND		1.0	0.40	ug/L			09/10/25 12:56	1
Bromomethane	ND		3.0	2.0	ug/L			09/10/25 12:56	1
Carbon disulfide	ND		10	0.40	ug/L			09/10/25 12:56	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			09/10/25 12:56	1
Chlorobenzene	ND		1.0	0.50	ug/L			09/10/25 12:56	1
Chloroethane	ND		2.0	0.40	ug/L			09/10/25 12:56	1
Chloroform	ND		1.0	0.25	ug/L			09/10/25 12:56	1
Chloromethane	ND		3.0	1.0	ug/L			09/10/25 12:56	1
cis-1,2-Dichloroethene	ND		1.0	0.40	ug/L			09/10/25 12:56	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
Dibromomethane	ND		1.0	0.40	ug/L			09/10/25 12:56	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			09/10/25 12:56	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/10/25 12:56	1

Eurofins Albuquerque

Client Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: Trip Blank

Lab Sample ID: 885-32182-3

Date Collected: 08/28/25 00:00

Matrix: Water

Date Received: 08/29/25 08:14

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		1.0	0.40	ug/L			09/10/25 12:56	1
Isopropylbenzene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.40	ug/L			09/10/25 12:56	1
Methylene Chloride	ND		2.5	1.0	ug/L			09/10/25 12:56	1
n-Butylbenzene	ND		3.0	0.20	ug/L			09/10/25 12:56	1
N-Propylbenzene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
Naphthalene	ND		2.0	0.50	ug/L			09/10/25 12:56	1
sec-Butylbenzene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
Styrene	ND		1.0	0.25	ug/L			09/10/25 12:56	1
tert-Butylbenzene	ND		1.0	0.40	ug/L			09/10/25 12:56	1
Tetrachloroethene (PCE)	ND		1.0	0.20	ug/L			09/10/25 12:56	1
Toluene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/10/25 12:56	1
Trichloroethene (TCE)	ND		1.0	0.30	ug/L			09/10/25 12:56	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/10/25 12:56	1
Vinyl chloride	ND		1.0	0.30	ug/L			09/10/25 12:56	1
Xylenes, Total	ND		1.5	0.20	ug/L			09/10/25 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		09/10/25 12:56	1
Toluene-d8 (Surr)	101		70 - 130		09/10/25 12:56	1
4-Bromofluorobenzene (Surr)	97		70 - 130		09/10/25 12:56	1
Dibromofluoromethane (Surr)	97		70 - 130		09/10/25 12:56	1

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0093	0.0075	ug/L		09/05/25 16:11	09/06/25 18:10	1
1,2-Dibromo-3-Chloropropane	ND		0.019	0.0079	ug/L		09/05/25 16:11	09/06/25 18:10	1

Eurofins Albuquerque

Tracer/Carrier Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)						
		Ba						
Lab Sample ID	Client Sample ID	(30-110)						
885-32182-1	WDW-1MW-1-20250828	91.5						
885-32182-2	DUP-20250828	94.4						
LCS 160-734790/2-A	Lab Control Sample	86.3						
MB 160-734790/1-A	Method Blank	88.3						
Tracer/Carrier Legend								
Ba = Ba Carrier								

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba	Y				
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
885-32182-1	WDW-1MW-1-20250828	91.5	86.4				
885-32182-2	DUP-20250828	94.4	86.0				
LCS 160-734791/2-A	Lab Control Sample	86.3	81.9				
MB 160-734791/1-A	Method Blank	88.3	83.4				
Tracer/Carrier Legend							
Ba = Ba Carrier							
Y = Y Carrier							

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-34338/5

Matrix: Water

Analysis Batch: 34338

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L			09/10/25 12:01	1
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			09/10/25 12:01	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.41	ug/L			09/10/25 12:01	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			09/10/25 12:01	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			09/10/25 12:01	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
1,1-Dichloropropene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
1,2,3-Trichloropropane	ND		2.0	0.20	ug/L			09/10/25 12:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			09/10/25 12:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.75	ug/L			09/10/25 12:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/10/25 12:01	1
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
1,2-Dichloroethane (EDC)	ND		1.0	0.25	ug/L			09/10/25 12:01	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/10/25 12:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
1,3-Dichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
1,3-Dichloropropane	ND		1.0	0.20	ug/L			09/10/25 12:01	1
1,4-Dichlorobenzene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
1-Methylnaphthalene	ND		4.0	1.0	ug/L			09/10/25 12:01	1
2,2-Dichloropropane	ND		2.0	0.25	ug/L			09/10/25 12:01	1
2-Butanone	ND		10	2.0	ug/L			09/10/25 12:01	1
2-Chlorotoluene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
2-Hexanone	ND		10	2.0	ug/L			09/10/25 12:01	1
2-Methylnaphthalene	ND		4.0	1.0	ug/L			09/10/25 12:01	1
4-Chlorotoluene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
4-Methyl-2-pentanone	ND		10	1.0	ug/L			09/10/25 12:01	1
Acetone	ND		10	2.5	ug/L			09/10/25 12:01	1
Benzene	ND		1.0	0.15	ug/L			09/10/25 12:01	1
Bromobenzene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/10/25 12:01	1
Dibromochloromethane	ND		1.0	0.20	ug/L			09/10/25 12:01	1
Bromoform	ND		1.0	0.40	ug/L			09/10/25 12:01	1
Bromomethane	ND		3.0	2.0	ug/L			09/10/25 12:01	1
Carbon disulfide	ND		10	0.40	ug/L			09/10/25 12:01	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			09/10/25 12:01	1
Chlorobenzene	ND		1.0	0.50	ug/L			09/10/25 12:01	1
Chloroethane	ND		2.0	0.40	ug/L			09/10/25 12:01	1
Chloroform	ND		1.0	0.25	ug/L			09/10/25 12:01	1
Chloromethane	ND		3.0	1.0	ug/L			09/10/25 12:01	1
cis-1,2-Dichloroethene	ND		1.0	0.40	ug/L			09/10/25 12:01	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
Dibromomethane	ND		1.0	0.40	ug/L			09/10/25 12:01	1
Dichlorodifluoromethane	ND		1.0	0.50	ug/L			09/10/25 12:01	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
Hexachlorobutadiene	ND		1.0	0.40	ug/L			09/10/25 12:01	1

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-34338/5

Matrix: Water

Analysis Batch: 34338

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Isopropylbenzene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.40	ug/L			09/10/25 12:01	1
Methylene Chloride	ND		2.5	1.0	ug/L			09/10/25 12:01	1
n-Butylbenzene	ND		3.0	0.20	ug/L			09/10/25 12:01	1
N-Propylbenzene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
Naphthalene	ND		2.0	0.50	ug/L			09/10/25 12:01	1
sec-Butylbenzene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
Styrene	ND		1.0	0.25	ug/L			09/10/25 12:01	1
tert-Butylbenzene	ND		1.0	0.40	ug/L			09/10/25 12:01	1
Tetrachloroethene (PCE)	ND		1.0	0.20	ug/L			09/10/25 12:01	1
Toluene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/10/25 12:01	1
Trichloroethene (TCE)	ND		1.0	0.30	ug/L			09/10/25 12:01	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/10/25 12:01	1
Vinyl chloride	ND		1.0	0.30	ug/L			09/10/25 12:01	1
Xylenes, Total	ND		1.5	0.20	ug/L			09/10/25 12:01	1
Acrylonitrile	ND		10	0.75	ug/L			09/10/25 12:01	1
Acrolein	ND		10	3.3	ug/L			09/10/25 12:01	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		09/10/25 12:01	1
Toluene-d8 (Surr)	99		70 - 130		09/10/25 12:01	1
4-Bromofluorobenzene (Surr)	99		70 - 130		09/10/25 12:01	1
Dibromofluoromethane (Surr)	95		70 - 130		09/10/25 12:01	1

Lab Sample ID: LCS 885-34338/4

Matrix: Water

Analysis Batch: 34338

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.0	19.9		ug/L		99	70 - 130
Benzene	20.0	21.5		ug/L		107	70 - 130
Chlorobenzene	20.0	21.7		ug/L		108	70 - 130
Toluene	20.0	21.6		ug/L		108	70 - 130
Trichloroethene (TCE)	20.0	18.8		ug/L		94	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS/MS)

Lab Sample ID: MB 400-721936/1-A

Matrix: Water

Analysis Batch: 722042

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 721936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Prometon	ND		1.0	0.22	ug/L		09/04/25 13:39	09/05/25 13:15	1

Lab Sample ID: LCS 400-721936/4-A

Matrix: Water

Analysis Batch: 722040

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 721936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Prometon	33.3	28.0		ug/L		84	40 - 140

Lab Sample ID: LCSD 400-721936/5-A

Matrix: Water

Analysis Batch: 722040

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 721936

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Prometon	33.3	34.3		ug/L		103	40 - 140	20	50

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 885-33674/1-A

Matrix: Water

Analysis Batch: 33850

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.078	ug/L		09/02/25 06:57	09/04/25 11:30	1
1,2-Dichlorobenzene	ND		1.0	0.087	ug/L		09/02/25 06:57	09/04/25 11:30	1
1,3-Dichlorobenzene	ND		1.0	0.090	ug/L		09/02/25 06:57	09/04/25 11:30	1
1,4-Dichlorobenzene	ND		2.0	0.082	ug/L		09/02/25 06:57	09/04/25 11:30	1
1,4-Dioxane	ND		0.50	0.23	ug/L		09/02/25 06:57	09/04/25 11:30	1
1-Methylnaphthalene	ND		0.20	0.097	ug/L		09/02/25 06:57	09/04/25 11:30	1
2,4,5-Trichlorophenol	ND		1.0	0.075	ug/L		09/02/25 06:57	09/04/25 11:30	1
2,4,6-Trichlorophenol	ND		1.0	0.082	ug/L		09/02/25 06:57	09/04/25 11:30	1
2,4-Dichlorophenol	ND		1.0	0.072	ug/L		09/02/25 06:57	09/04/25 11:30	1
2,4-Dimethylphenol	ND		1.0	0.099	ug/L		09/02/25 06:57	09/04/25 11:30	1
2,4-Dinitrophenol	ND		3.0	1.4	ug/L		09/02/25 06:57	09/04/25 11:30	1
2,4-Dinitrotoluene	ND		1.0	0.078	ug/L		09/02/25 06:57	09/04/25 11:30	1
2,6-Dinitrotoluene	ND		1.0	0.51	ug/L		09/02/25 06:57	09/04/25 11:30	1
2-Chloronaphthalene	ND		1.0	0.062	ug/L		09/02/25 06:57	09/04/25 11:30	1
2-Chlorophenol	ND		1.0	0.31	ug/L		09/02/25 06:57	09/04/25 11:30	1
2-Methylnaphthalene	ND		0.20	0.087	ug/L		09/02/25 06:57	09/04/25 11:30	1
2-Methylphenol	ND		1.0	0.063	ug/L		09/02/25 06:57	09/04/25 11:30	1
2-Nitroaniline	ND		1.0	0.38	ug/L		09/02/25 06:57	09/04/25 11:30	1
2-Nitrophenol	ND		1.0	0.079	ug/L		09/02/25 06:57	09/04/25 11:30	1
3 & 4 Methylphenol	ND		1.0	0.066	ug/L		09/02/25 06:57	09/04/25 11:30	1
3,3'-Dichlorobenzidine	ND		1.0	0.63	ug/L		09/02/25 06:57	09/04/25 11:30	1
3-Nitroaniline	ND		1.0	0.36	ug/L		09/02/25 06:57	09/04/25 11:30	1
4,6-Dinitro-2-methylphenol	ND		2.0	1.2	ug/L		09/02/25 06:57	09/04/25 11:30	1
4-Bromophenyl phenyl ether	ND		1.0	0.077	ug/L		09/02/25 06:57	09/04/25 11:30	1
4-Chloro-3-methylphenol	ND		1.0	0.12	ug/L		09/02/25 06:57	09/04/25 11:30	1
4-Chloroaniline	ND		1.0	0.33	ug/L		09/02/25 06:57	09/04/25 11:30	1

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 885-33674/1-A

Matrix: Water

Analysis Batch: 33850

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		1.0	0.062	ug/L		09/02/25 06:57	09/04/25 11:30	1
4-Nitroaniline	ND		1.0	0.50	ug/L		09/02/25 06:57	09/04/25 11:30	1
4-Nitrophenol	ND		1.0	0.64	ug/L		09/02/25 06:57	09/04/25 11:30	1
Acenaphthene	ND		0.20	0.085	ug/L		09/02/25 06:57	09/04/25 11:30	1
Acenaphthylene	ND		0.20	0.064	ug/L		09/02/25 06:57	09/04/25 11:30	1
Aniline	ND		10	1.7	ug/L		09/02/25 06:57	09/04/25 11:30	1
Anthracene	ND		0.20	0.056	ug/L		09/02/25 06:57	09/04/25 11:30	1
Azobenzene	ND		1.0	0.49	ug/L		09/02/25 06:57	09/04/25 11:30	1
Benzo[a]anthracene	ND		0.20	0.047	ug/L		09/02/25 06:57	09/04/25 11:30	1
Atrazine	ND		0.50	0.44	ug/L		09/02/25 06:57	09/04/25 11:30	1
Benzo[a]pyrene	ND		0.070	0.057	ug/L		09/02/25 06:57	09/04/25 11:30	1
Benzo[b]fluoranthene	ND		0.20	0.066	ug/L		09/02/25 06:57	09/04/25 11:30	1
Benzidine	ND		10	2.0	ug/L		09/02/25 06:57	09/04/25 11:30	1
Benzo[g,h,i]perylene	ND		0.20	0.056	ug/L		09/02/25 06:57	09/04/25 11:30	1
Benzo[k]fluoranthene	ND		0.20	0.048	ug/L		09/02/25 06:57	09/04/25 11:30	1
Benzoic acid	ND		15	7.1	ug/L		09/02/25 06:57	09/04/25 11:30	1
Benzyl alcohol	ND		1.0	0.14	ug/L		09/02/25 06:57	09/04/25 11:30	1
Bis(2-chloroethoxy)methane	ND		1.0	0.060	ug/L		09/02/25 06:57	09/04/25 11:30	1
Bis(2-chloroethyl)ether	ND		1.0	0.090	ug/L		09/02/25 06:57	09/04/25 11:30	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.092	ug/L		09/02/25 06:57	09/04/25 11:30	1
Bis(2-ethylhexyl) phthalate	ND		1.0	0.95	ug/L		09/02/25 06:57	09/04/25 11:30	1
Butyl benzyl phthalate	0.774	J	1.0	0.44	ug/L		09/02/25 06:57	09/04/25 11:30	1
Carbazole	ND		1.0	0.083	ug/L		09/02/25 06:57	09/04/25 11:30	1
Chrysene	ND		0.20	0.062	ug/L		09/02/25 06:57	09/04/25 11:30	1
Di-n-butyl phthalate	ND		1.5	1.1	ug/L		09/02/25 06:57	09/04/25 11:30	1
Di-n-octyl phthalate	0.202	J	1.0	0.061	ug/L		09/02/25 06:57	09/04/25 11:30	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		09/02/25 06:57	09/04/25 11:30	1
Dibenzofuran	ND		1.0	0.075	ug/L		09/02/25 06:57	09/04/25 11:30	1
Diethyl phthalate	ND		1.5	1.5	ug/L		09/02/25 06:57	09/04/25 11:30	1
Dimethyl phthalate	ND		1.0	0.099	ug/L		09/02/25 06:57	09/04/25 11:30	1
Fluoranthene	ND		0.20	0.068	ug/L		09/02/25 06:57	09/04/25 11:30	1
Fluorene	ND		0.20	0.081	ug/L		09/02/25 06:57	09/04/25 11:30	1
Hexachlorobenzene	ND		5.0	0.49	ug/L		09/02/25 06:57	09/04/25 11:30	1
Hexachlorobutadiene	ND		5.0	3.5	ug/L		09/02/25 06:57	09/04/25 11:30	1
Hexachlorocyclopentadiene	ND		5.0	3.5	ug/L		09/02/25 06:57	09/04/25 11:30	1
Hexachloroethane	ND		5.0	3.3	ug/L		09/02/25 06:57	09/04/25 11:30	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.058	ug/L		09/02/25 06:57	09/04/25 11:30	1
Isophorone	ND		1.0	0.22	ug/L		09/02/25 06:57	09/04/25 11:30	1
N-Nitrosodi-n-propylamine	ND		1.0	0.65	ug/L		09/02/25 06:57	09/04/25 11:30	1
N-Nitrosodimethylamine	ND		1.0	0.29	ug/L		09/02/25 06:57	09/04/25 11:30	1
N-Nitrosodiphenylamine	ND		1.0	0.32	ug/L		09/02/25 06:57	09/04/25 11:30	1
Naphthalene	ND		0.20	0.077	ug/L		09/02/25 06:57	09/04/25 11:30	1
Nitrobenzene	ND		1.0	0.66	ug/L		09/02/25 06:57	09/04/25 11:30	1
Pentachlorophenol	ND		0.33	0.33	ug/L		09/02/25 06:57	09/04/25 11:30	1
Phenanthrene	ND		0.20	0.061	ug/L		09/02/25 06:57	09/04/25 11:30	1
Phenol	0.347	J	1.0	0.28	ug/L		09/02/25 06:57	09/04/25 11:30	1
Pyrene	ND		0.20	0.067	ug/L		09/02/25 06:57	09/04/25 11:30	1
Pyridine	ND		10	2.6	ug/L		09/02/25 06:57	09/04/25 11:30	1

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 885-33674/1-A

Matrix: Water

Analysis Batch: 33850

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33674

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	76		15 - 130	09/02/25 06:57	09/04/25 11:30	1
2,4,6-Tribromophenol (Surr)	113		15 - 130	09/02/25 06:57	09/04/25 11:30	1
Nitrobenzene-d5 (Surr)	130		29 - 130	09/02/25 06:57	09/04/25 11:30	1
2-Fluorobiphenyl	130		20 - 130	09/02/25 06:57	09/04/25 11:30	1
p-Terphenyl-d14 (Surr)	122		41 - 130	09/02/25 06:57	09/04/25 11:30	1
2-Fluorophenol (Surr)	75		15 - 130	09/02/25 06:57	09/04/25 11:30	1

Lab Sample ID: LCS 885-33674/2-A

Matrix: Water

Analysis Batch: 33850

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	5.71	4.88		ug/L		85	28 - 98
1,2-Dichlorobenzene	5.71	5.41		ug/L		95	26 - 108
1,3-Dichlorobenzene	5.71	5.13		ug/L		90	17 - 108
1,4-Dichlorobenzene	5.71	5.34		ug/L		94	16 - 108
1,4-Dioxane	5.71	2.40		ug/L		42	30 - 49
1-Methylnaphthalene	5.71	5.27		ug/L		92	35 - 118
2,4,5-Trichlorophenol	5.71	4.86		ug/L		85	58 - 118
2,4,6-Trichlorophenol	5.71	4.07		ug/L		71	44 - 104
2,4-Dichlorophenol	5.71	5.29		ug/L		93	66 - 116
2,4-Dimethylphenol	5.71	5.72		ug/L		100	70 - 130
2,4-Dinitrophenol	5.71	3.43		ug/L		60	23 - 87
2,4-Dinitrotoluene	5.71	6.57		ug/L		115	67 - 142
2,6-Dinitrotoluene	5.71	6.03		ug/L		106	70 - 130
2-Chloronaphthalene	5.71	5.23		ug/L		91	48 - 113
2-Chlorophenol	5.71	5.29		ug/L		93	67 - 116
2-Methylnaphthalene	5.71	5.14		ug/L		90	32 - 114
2-Methylphenol	5.71	5.65		ug/L		99	70 - 130
2-Nitroaniline	5.71	6.36		ug/L		111	70 - 135
2-Nitrophenol	5.71	5.43		ug/L		95	54 - 127
3 & 4 Methylphenol	5.71	5.61		ug/L		98	67 - 113
3,3'-Dichlorobenzidine	17.1	17.0		ug/L		99	38 - 127
3-Nitroaniline	5.71	4.57		ug/L		80	35 - 94
4,6-Dinitro-2-methylphenol	5.71	4.13		ug/L		72	29 - 84
4-Bromophenyl phenyl ether	5.71	5.52		ug/L		97	70 - 130
4-Chloro-3-methylphenol	5.71	6.04		ug/L		106	70 - 130
4-Chloroaniline	5.71	3.10		ug/L		54	35 - 65
4-Chlorophenyl phenyl ether	5.71	5.29		ug/L		93	61 - 118
4-Nitroaniline	5.71	5.73		ug/L		100	43 - 125
4-Nitrophenol	5.71	1.99		ug/L		35	14 - 47
Acenaphthene	5.71	5.36		ug/L		94	54 - 122
Acenaphthylene	5.71	4.84		ug/L		85	63 - 113
Aniline	17.1	8.84	J	ug/L		52	10 - 85
Anthracene	5.71	6.16		ug/L		108	70 - 130
Azobenzene	5.71	5.34		ug/L		93	40 - 127
Benzo[a]anthracene	5.71	6.48		ug/L		113	65 - 132
Atrazine	5.71	6.11		ug/L		107	69 - 127

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 885-33674/2-A

Matrix: Water

Analysis Batch: 33850

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	5.71	6.21		ug/L		109	52 - 150
Benzo[b]fluoranthene	5.71	6.17		ug/L		108	64 - 137
Benzidine	17.1	9.96	J	ug/L		58	10 - 114
Benzo[g,h,i]perylene	5.71	5.76		ug/L		101	46 - 150
Benzo[k]fluoranthene	5.71	5.92		ug/L		104	63 - 136
Benzoic acid	42.9	13.3	J	ug/L		31	10 - 61
Benzyl alcohol	5.71	4.48		ug/L		78	52 - 100
Bis(2-chloroethoxy)methane	5.71	5.67		ug/L		99	70 - 130
Bis(2-chloroethyl)ether	5.71	6.04		ug/L		106	70 - 130
2,2'-oxybis[1-chloropropane]	5.71	5.90		ug/L		103	70 - 130
Bis(2-ethylhexyl) phthalate	5.71	6.42		ug/L		112	45 - 139
Butyl benzyl phthalate	5.71	7.64		ug/L		134	63 - 137
Carbazole	5.71	6.12		ug/L		107	70 - 130
Chrysene	5.71	6.43		ug/L		113	68 - 139
Di-n-butyl phthalate	5.71	6.59		ug/L		115	68 - 135
Di-n-octyl phthalate	5.71	6.80		ug/L		119	49 - 123
Dibenz(a,h)anthracene	5.71	5.86		ug/L		103	44 - 155
Dibenzofuran	5.71	5.44		ug/L		95	66 - 121
Diethyl phthalate	5.71	6.23		ug/L		109	68 - 130
Dimethyl phthalate	5.71	5.64		ug/L		99	70 - 130
Fluoranthene	5.71	6.62		ug/L		116	70 - 130
Fluorene	5.71	4.94		ug/L		86	61 - 128
Hexachlorobenzene	5.71	5.44		ug/L		95	63 - 126
Hexachlorobutadiene	5.71	ND		ug/L		50	10 - 97
Hexachlorocyclopentadiene	5.71	3.57	J	ug/L		62	10 - 81
Hexachloroethane	5.71	4.19	J	ug/L		73	10 - 99
Indeno[1,2,3-cd]pyrene	5.71	6.01		ug/L		105	50 - 147
Isophorone	5.71	5.82		ug/L		102	70 - 130
N-Nitrosodi-n-propylamine	5.71	6.51		ug/L		114	70 - 130
N-Nitrosodimethylamine	5.71	2.03		ug/L		36	22 - 44
N-Nitrosodiphenylamine	5.71	5.38		ug/L		94	70 - 130
Naphthalene	5.71	5.47		ug/L		96	42 - 112
Nitrobenzene	5.71	6.22		ug/L		109	74 - 145
Pentachlorophenol	5.71	3.93		ug/L		69	41 - 102
Phenanthrene	5.71	5.58		ug/L		98	70 - 130
Phenol	5.71	3.76		ug/L		66	41 - 80
Pyrene	5.71	6.45		ug/L		113	60 - 134
Pyridine	17.1	8.84	J +	ug/L		52	14 - 48

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	64		15 - 130
2,4,6-Tribromophenol (Surr)	104		15 - 130
Nitrobenzene-d5 (Surr)	134	S1+	29 - 130
2-Fluorobiphenyl	111		20 - 130
p-Terphenyl-d14 (Surr)	124		41 - 130
2-Fluorophenol (Surr)	62		15 - 130

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-721936/1-A

Matrix: Water

Analysis Batch: 722040

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 721936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-butylamine	ND		10	1.1	ug/L		09/04/25 13:39	09/05/25 13:15	1
Pentachlorobenzene	ND		10	0.34	ug/L		09/04/25 13:39	09/05/25 13:15	1
1,2,4,5-Tetrachlorobenzene	ND		10	0.36	ug/L		09/04/25 13:39	09/05/25 13:15	1
N-Nitrosodiethylamine	ND		10	0.54	ug/L		09/04/25 13:39	09/05/25 13:15	1
Sulfolane	ND		10	0.80	ug/L		09/04/25 13:39	09/05/25 13:15	1
N-Nitrosopyrrolidine	ND		10	0.79	ug/L		09/04/25 13:39	09/05/25 13:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	39		10 - 150	09/04/25 13:39	09/05/25 13:15	1
Terphenyl-d14 (Surr)	81		28 - 150	09/04/25 13:39	09/05/25 13:15	1
2,4,6-Tribromophenol (Surr)	71		10 - 150	09/04/25 13:39	09/05/25 13:15	1
2-Fluorobiphenyl	68		25 - 139	09/04/25 13:39	09/05/25 13:15	1
2-Fluorophenol (Surr)	48		10 - 150	09/04/25 13:39	09/05/25 13:15	1
Nitrobenzene-d5 (Surr)	84		22 - 150	09/04/25 13:39	09/05/25 13:15	1

Lab Sample ID: LCS 400-721936/2-A

Matrix: Water

Analysis Batch: 722040

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 721936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodi-n-butylamine	33.3	32.8		ug/L		99	50 - 150
Pentachlorobenzene	33.3	23.0		ug/L		69	20 - 150
1,2,4,5-Tetrachlorobenzene	33.3	21.5		ug/L		65	19 - 120
N-Nitrosodiethylamine	33.3	23.3		ug/L		70	50 - 150
Sulfolane	67.4	20.3		ug/L		30	10 - 142
N-Nitrosopyrrolidine	33.3	18.5		ug/L		56	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	39		10 - 150
Terphenyl-d14 (Surr)	67		28 - 150
2,4,6-Tribromophenol (Surr)	68		10 - 150
2-Fluorobiphenyl	60		25 - 139
2-Fluorophenol (Surr)	45		10 - 150
Nitrobenzene-d5 (Surr)	69		22 - 150

Lab Sample ID: LCSD 400-721936/3-A

Matrix: Water

Analysis Batch: 722040

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 721936

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-Nitrosodi-n-butylamine	33.3	32.5		ug/L		98	50 - 150	1	40
Pentachlorobenzene	33.3	21.9		ug/L		66	20 - 150	5	40
1,2,4,5-Tetrachlorobenzene	33.3	16.0		ug/L		48	19 - 120	29	40
N-Nitrosodiethylamine	33.3	24.6		ug/L		74	50 - 150	5	40
Sulfolane	67.4	18.9		ug/L		28	10 - 142	7	40
N-Nitrosopyrrolidine	33.3	18.7		ug/L		56	50 - 150	1	40

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-721936/3-A

Matrix: Water

Analysis Batch: 722040

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 721936

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Phenol-d5 (Surr)	40		10 - 150
Terphenyl-d14 (Surr)	67		28 - 150
2,4,6-Tribromophenol (Surr)	70		10 - 150
2-Fluorobiphenyl	60		25 - 139
2-Fluorophenol (Surr)	48		10 - 150
Nitrobenzene-d5 (Surr)	76		22 - 150

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 885-34010/3-A

Matrix: Water

Analysis Batch: 34030

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34010

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethylene Dibromide	ND		0.010	0.0080	ug/L		09/05/25 16:11	09/06/25 16:29	1
1,2-Dibromo-3-Chloropropane	ND		0.020	0.0085	ug/L		09/05/25 16:11	09/06/25 16:29	1

Lab Sample ID: LCS 885-34010/4-A

Matrix: Water

Analysis Batch: 34030

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide	0.100	0.0976		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	0.100	0.100		ug/L		100	70 - 130

Lab Sample ID: LCSD 885-34010/5-A

Matrix: Water

Analysis Batch: 34030

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34010

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide	0.100	0.0979		ug/L		98	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	0.100	0.100		ug/L		100	70 - 130	0	20

Lab Sample ID: MRL 885-34010/1-A

Matrix: Water

Analysis Batch: 34030

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34010

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide	0.0100	ND		ug/L		79	60 - 140
1,2-Dibromo-3-Chloropropane	0.0100	0.00938	J	ug/L		94	60 - 140

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 885-33697/1-A

Matrix: Water

Analysis Batch: 34033

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33697

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	ND		0.10	0.085	ug/L		09/02/25 11:21	09/06/25 16:23	1
4,4'-DDE	ND		0.10	0.037	ug/L		09/02/25 11:21	09/06/25 16:23	1

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 885-33697/1-A
Matrix: Water
Analysis Batch: 34033

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33697

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND		0.10	0.075	ug/L		09/02/25 11:21	09/06/25 16:23	1
Aldrin	ND		0.10	0.067	ug/L		09/02/25 11:21	09/06/25 16:23	1
alpha-BHC	ND		0.10	0.034	ug/L		09/02/25 11:21	09/06/25 16:23	1
beta-BHC	ND		0.15	0.11	ug/L		09/02/25 11:21	09/06/25 16:23	1
Chlordane	ND		1.0	0.50	ug/L		09/02/25 11:21	09/06/25 16:23	1
delta-BHC	ND		0.10	0.086	ug/L		09/02/25 11:21	09/06/25 16:23	1
Dieldrin	ND		0.10	0.068	ug/L		09/02/25 11:21	09/06/25 16:23	1
Endosulfan I	ND		0.10	0.035	ug/L		09/02/25 11:21	09/06/25 16:23	1
Endosulfan II	ND		0.10	0.070	ug/L		09/02/25 11:21	09/06/25 16:23	1
Endosulfan sulfate	ND		0.10	0.085	ug/L		09/02/25 11:21	09/06/25 16:23	1
Endrin	ND		0.10	0.080	ug/L		09/02/25 11:21	09/06/25 16:23	1
Endrin aldehyde	ND		0.10	0.072	ug/L		09/02/25 11:21	09/06/25 16:23	1
gamma-BHC (Lindane)	ND		0.10	0.066	ug/L		09/02/25 11:21	09/06/25 16:23	1
Heptachlor	ND		0.10	0.070	ug/L		09/02/25 11:21	09/06/25 16:23	1
Heptachlor epoxide	ND		0.10	0.036	ug/L		09/02/25 11:21	09/06/25 16:23	1
Methoxychlor	ND		0.10	0.092	ug/L		09/02/25 11:21	09/06/25 16:23	1
Toxaphene	ND		2.0	0.50	ug/L		09/02/25 11:21	09/06/25 16:23	1
Chlordane (technical) Peak 1	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 16:23	1
Chlordane (technical) Peak 2	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 16:23	1
Chlordane (technical) Peak 3	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 16:23	1
Chlordane (technical) Peak 4	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 16:23	1
Chlordane (technical) Peak 5	ND		1.0	0.10	ug/L		09/02/25 11:21	09/06/25 16:23	1
Toxaphene Peak 1	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 16:23	1
Toxaphene Peak 2	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 16:23	1
Toxaphene Peak 3	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 16:23	1
Toxaphene Peak 4	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 16:23	1
Toxaphene Peak 5	ND		2.0	0.10	ug/L		09/02/25 11:21	09/06/25 16:23	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	87		53 - 130				09/02/25 11:21	09/06/25 16:23	1
Tetrachloro-m-xylene	53		18 - 130				09/02/25 11:21	09/06/25 16:23	1

Lab Sample ID: LCS 885-33697/2-A
Matrix: Water
Analysis Batch: 34033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33697

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.500	0.236		ug/L		47	42 - 141
4,4'-DDE	0.500	0.243		ug/L		49	38 - 134
4,4'-DDT	0.500	0.228		ug/L		46	38 - 137
Aldrin	0.500	0.181		ug/L		36	15 - 130
alpha-BHC	0.500	0.256		ug/L		51	34 - 130
beta-BHC	0.500	0.249		ug/L		50	38 - 140
delta-BHC	0.500	0.247		ug/L		49	28 - 136
Dieldrin	0.500	0.255		ug/L		51	43 - 130
Endosulfan I	0.500	0.230		ug/L		46	42 - 130
Endosulfan II	0.500	0.242		ug/L		48	46 - 132
Endosulfan sulfate	0.500	0.245		ug/L		49	42 - 133

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 885-33697/2-A

Matrix: Water

Analysis Batch: 34033

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33697

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Endrin	0.500	0.255		ug/L		51	38 - 144
Endrin aldehyde	0.500	0.227		ug/L		45	44 - 134
gamma-BHC (Lindane)	0.500	0.251		ug/L		50	35 - 130
Heptachlor	0.500	0.216		ug/L		43	17 - 130
Heptachlor epoxide	0.500	0.241		ug/L		48	43 - 130
Methoxychlor	0.500	0.225		ug/L		45	39 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	65		53 - 130
Tetrachloro-m-xylene	49		18 - 130

Lab Sample ID: LCSD 885-33697/3-A

Matrix: Water

Analysis Batch: 34033

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 33697

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.500	0.341	*1	ug/L		68	42 - 141	37	20
4,4'-DDE	0.500	0.354	*1	ug/L		71	38 - 134	37	20
4,4'-DDT	0.500	0.328	*1	ug/L		66	38 - 137	36	20
Aldrin	0.500	0.281	*1	ug/L		56	15 - 130	43	20
alpha-BHC	0.500	0.355	*1	ug/L		71	34 - 130	32	20
beta-BHC	0.500	0.348	*1	ug/L		70	38 - 140	33	20
delta-BHC	0.500	0.345	*1	ug/L		69	28 - 136	33	20
Dieldrin	0.500	0.363	*1	ug/L		73	43 - 130	35	20
Endosulfan I	0.500	0.328	*1	ug/L		66	42 - 130	35	20
Endosulfan II	0.500	0.344	*1	ug/L		69	46 - 132	35	20
Endosulfan sulfate	0.500	0.350	*1	ug/L		70	42 - 133	36	20
Endrin	0.500	0.366	*1	ug/L		73	38 - 144	36	20
Endrin aldehyde	0.500	0.322	*1	ug/L		64	44 - 134	35	20
gamma-BHC (Lindane)	0.500	0.352	*1	ug/L		70	35 - 130	34	20
Heptachlor	0.500	0.315	*1	ug/L		63	17 - 130	37	20
Heptachlor epoxide	0.500	0.343	*1	ug/L		69	43 - 130	35	20
Methoxychlor	0.500	0.324	*1	ug/L		65	39 - 143	36	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	93		53 - 130
Tetrachloro-m-xylene	76		18 - 130

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 885-33697/1-A

Matrix: Water

Analysis Batch: 34204

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33697

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.25	ug/L		09/02/25 11:21	09/08/25 21:54	1
PCB-1221	ND		0.25	0.25	ug/L		09/02/25 11:21	09/08/25 21:54	1
PCB-1232	ND		0.25	0.25	ug/L		09/02/25 11:21	09/08/25 21:54	1

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 885-33697/1-A

Matrix: Water

Analysis Batch: 34204

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33697

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1242	ND		0.25	0.25	ug/L		09/02/25 11:21	09/08/25 21:54	1
PCB-1248	ND		0.25	0.25	ug/L		09/02/25 11:21	09/08/25 21:54	1
PCB-1254	ND		0.25	0.25	ug/L		09/02/25 11:21	09/08/25 21:54	1
PCB-1260	ND		0.25	0.25	ug/L		09/02/25 11:21	09/08/25 21:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	44		15 - 137	09/02/25 11:21	09/08/25 21:54	1
DCB Decachlorobiphenyl (Surr)	51		15 - 175	09/02/25 11:21	09/08/25 21:54	1

Lab Sample ID: LCS 885-33697/4-A

Matrix: Water

Analysis Batch: 34204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33697

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
PCB-1016	5.00	3.58		ug/L		72	17 - 111
PCB-1260	5.00	4.27		ug/L		85	24 - 148

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	66		15 - 137
DCB Decachlorobiphenyl (Surr)	70		15 - 175

Lab Sample ID: LCSD 885-33697/5-A

Matrix: Water

Analysis Batch: 34204

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 33697

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
PCB-1016	5.00	3.72		ug/L		74	17 - 111	4	20
PCB-1260	5.00	4.41		ug/L		88	24 - 148	3	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	65		15 - 137
DCB Decachlorobiphenyl (Surr)	71		15 - 175

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 570-619939/1-A

Matrix: Water

Analysis Batch: 623301

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 619939

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4,5-T	ND		0.50	0.21	ug/L		09/02/25 16:49	09/10/25 13:56	1
2,4,5-TP (Silvex)	ND		0.50	0.14	ug/L		09/02/25 16:49	09/10/25 13:56	1
2,4-D	ND		5.0	2.0	ug/L		09/02/25 16:49	09/10/25 13:56	1
2,4-DB	ND		5.0	3.5	ug/L		09/02/25 16:49	09/10/25 13:56	1
Dalapon	ND		13	4.7	ug/L		09/02/25 16:49	09/10/25 13:56	1
Dicamba	ND		0.50	0.29	ug/L		09/02/25 16:49	09/10/25 13:56	1
Dichlorprop	ND		5.0	2.0	ug/L		09/02/25 16:49	09/10/25 13:56	1
Dinoseb	ND		2.5	2.2	ug/L		09/02/25 16:49	09/10/25 13:56	1

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 570-619939/1-A

Matrix: Water

Analysis Batch: 623301

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 619939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		500	350	ug/L		09/02/25 16:49	09/10/25 13:56	1
MCPP	ND		500	310	ug/L		09/02/25 16:49	09/10/25 13:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	46		20 - 161				09/02/25 16:49	09/10/25 13:56	1

Lab Sample ID: LCS 570-619939/2-A

Matrix: Water

Analysis Batch: 623301

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 619939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,5-T	1.00	0.809		ug/L		81	28 - 180		
2,4-D	10.0	7.32		ug/L		73	10 - 180		
2,4-DB	10.0	5.91		ug/L		59	10 - 180		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
2,4-Dichlorophenylacetic acid (Surr)	65		20 - 161						

Lab Sample ID: LCSD 570-619939/3-A

Matrix: Water

Analysis Batch: 623301

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 619939

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T	1.00	0.629	p *1	ug/L		63	28 - 180	53	20
2,4-D	10.0	7.14		ug/L		71	10 - 180	2	20
2,4-DB	10.0	7.06		ug/L		71	10 - 180	18	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
2,4-Dichlorophenylacetic acid (Surr)	66		20 - 161						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-33563/4

Matrix: Water

Analysis Batch: 33563

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			08/29/25 11:23	1
Chloride	ND		0.50	0.25	mg/L			08/29/25 11:23	1
Fluoride	ND		0.10	0.046	mg/L			08/29/25 11:23	1
Sulfate	ND		0.50	0.39	mg/L			08/29/25 11:23	1

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-33563/58

Matrix: Water

Analysis Batch: 33563

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			08/29/25 20:27	1
Chloride	ND		0.50	0.25	mg/L			08/29/25 20:27	1
Fluoride	ND		0.10	0.046	mg/L			08/29/25 20:27	1
Sulfate	ND		0.50	0.39	mg/L			08/29/25 20:27	1

Lab Sample ID: LCS 885-33563/5

Matrix: Water

Analysis Batch: 33563

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.42		mg/L		97	90 - 110
Chloride	5.00	4.99		mg/L		100	90 - 110
Fluoride	0.500	0.529		mg/L		106	90 - 110
Sulfate	10.0	9.77		mg/L		98	90 - 110

Lab Sample ID: LCS 885-33563/59

Matrix: Water

Analysis Batch: 33563

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.44		mg/L		98	90 - 110
Chloride	5.00	5.05		mg/L		101	90 - 110
Fluoride	0.500	0.534		mg/L		107	90 - 110
Sulfate	10.0	9.88		mg/L		99	90 - 110

Lab Sample ID: MRL 885-33563/3

Matrix: Water

Analysis Batch: 33563

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.102		mg/L		102	50 - 150
Chloride	0.500	0.529		mg/L		106	50 - 150
Fluoride	0.100	0.121		mg/L		121	50 - 150
Sulfate	0.500	0.517		mg/L		103	50 - 150

Lab Sample ID: MB 885-33580/4

Matrix: Water

Analysis Batch: 33580

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	0.020	mg/L			08/29/25 11:23	1
Nitrite	ND		0.10	0.012	mg/L			08/29/25 11:23	1

Lab Sample ID: MB 885-33580/58

Matrix: Water

Analysis Batch: 33580

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	0.020	mg/L			08/29/25 20:27	1
Nitrite	ND		0.10	0.012	mg/L			08/29/25 20:27	1

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 885-33580/5

Matrix: Water

Analysis Batch: 33580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.60		mg/L		104	90 - 110
Nitrite	1.00	0.952		mg/L		95	90 - 110

Lab Sample ID: LCS 885-33580/59

Matrix: Water

Analysis Batch: 33580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.63		mg/L		105	90 - 110
Nitrite	1.00	0.960		mg/L		96	90 - 110

Lab Sample ID: MRL 885-33580/3

Matrix: Water

Analysis Batch: 33580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.102		mg/L		102	50 - 150
Nitrite	0.100	0.0994	J	mg/L		99	50 - 150

Method: 8330A - Nitroaromatics and Nitramines

Lab Sample ID: MB 570-620440/1-A

Matrix: Water

Analysis Batch: 621042

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 620440

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,3,5-Trinitrobenzene	ND		1.1	0.14	ug/L		09/03/25 14:07	09/04/25 17:18	1
1,3-Dinitrobenzene	ND		1.1	0.14	ug/L		09/03/25 14:07	09/04/25 17:18	1
2,4,6-Trinitrotoluene	ND		1.1	0.67	ug/L		09/03/25 14:07	09/04/25 17:18	1
2,4-Dinitrotoluene	ND		1.1	0.17	ug/L		09/03/25 14:07	09/04/25 17:18	1
2,6-Dinitrotoluene	ND		1.1	0.081	ug/L		09/03/25 14:07	09/04/25 17:18	1
2-Amino-4,6-DNT	ND		1.1	0.089	ug/L		09/03/25 14:07	09/04/25 17:18	1
2-Nitrotoluene	ND		1.1	0.072	ug/L		09/03/25 14:07	09/04/25 17:18	1
3-Nitrotoluene	ND		1.1	0.10	ug/L		09/03/25 14:07	09/04/25 17:18	1
4-Amino-2,6-DNT	ND		1.1	0.22	ug/L		09/03/25 14:07	09/04/25 17:18	1
4-Nitrotoluene	ND		1.1	0.17	ug/L		09/03/25 14:07	09/04/25 17:18	1
HMX	ND		1.1	0.12	ug/L		09/03/25 14:07	09/04/25 17:18	1
Nitrobenzene	ND		1.1	0.15	ug/L		09/03/25 14:07	09/04/25 17:18	1
RDX	ND		1.1	0.11	ug/L		09/03/25 14:07	09/04/25 17:18	1
Tetryl	ND		1.1	0.69	ug/L		09/03/25 14:07	09/04/25 17:18	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dinitrobenzene (Surr)	102		60 - 150	09/03/25 14:07	09/04/25 17:18	1

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 8330A - Nitroaromatics and Nitramines (Continued)

Lab Sample ID: LCS 570-620440/2-A

Matrix: Water

Analysis Batch: 621042

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 620440

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
1,3,5-Trinitrobenzene	26.0	25.3		ug/L		98	44 - 152	
1,3-Dinitrobenzene	26.0	25.5		ug/L		98	48 - 162	
2,4,6-Trinitrotoluene	26.0	24.6		ug/L		95	48 - 162	
2,4-Dinitrotoluene	26.0	26.1		ug/L		101	47 - 155	
2,6-Dinitrotoluene	26.0	26.9		ug/L		103	49 - 145	
2-Amino-4,6-DNT	26.0	27.7		ug/L		107	49 - 145	
2-Nitrotoluene	26.0	26.3		ug/L		101	44 - 146	
3-Nitrotoluene	26.0	26.3		ug/L		101	43 - 157	
4-Amino-2,6-DNT	26.0	28.7		ug/L		110	47 - 149	
4-Nitrotoluene	26.0	26.3		ug/L		101	44 - 146	
HMX	26.0	27.1		ug/L		104	43 - 133	
Nitrobenzene	26.0	24.8		ug/L		95	36 - 150	
RDX	26.0	25.0		ug/L		96	42 - 150	
Tetryl	26.0	25.1		ug/L		97	40 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dinitrobenzene (Surr)	101		60 - 150

Lab Sample ID: LCSD 570-620440/3-A

Matrix: Water

Analysis Batch: 621042

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 620440

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	
									RPD	Limit
1,3,5-Trinitrobenzene	26.0	24.5		ug/L		94	44 - 152		4	13
1,3-Dinitrobenzene	26.0	24.8		ug/L		95	48 - 162		3	12
2,4,6-Trinitrotoluene	26.0	24.0		ug/L		92	48 - 162		3	12
2,4-Dinitrotoluene	26.0	25.4		ug/L		98	47 - 155		3	13
2,6-Dinitrotoluene	26.0	26.2		ug/L		101	49 - 145		2	12
2-Amino-4,6-DNT	26.0	26.9		ug/L		104	49 - 145		3	14
2-Nitrotoluene	26.0	25.5		ug/L		98	44 - 146		3	16
3-Nitrotoluene	26.0	25.6		ug/L		98	43 - 157		3	15
4-Amino-2,6-DNT	26.0	27.9		ug/L		107	47 - 149		3	19
4-Nitrotoluene	26.0	25.5		ug/L		98	44 - 146		3	15
HMX	26.0	26.2		ug/L		101	43 - 133		3	13
Nitrobenzene	26.0	24.0		ug/L		92	36 - 150		3	15
RDX	26.0	24.2		ug/L		93	42 - 150		3	15
Tetryl	26.0	24.6		ug/L		95	40 - 130		2	14

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1,2-Dinitrobenzene (Surr)	98		60 - 150

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 331.0 - Perchlorate (LC/MS/MS)

Lab Sample ID: MB 570-622969/8

Matrix: Water

Analysis Batch: 622969

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		0.10	0.020	ug/L			09/09/25 13:43	1

Lab Sample ID: LCS 570-622969/9

Matrix: Water

Analysis Batch: 622969

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perchlorate	10.0	10.1		ug/L		101	80 - 120

Lab Sample ID: LCSD 570-622969/10

Matrix: Water

Analysis Batch: 622969

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perchlorate	10.0	10.2		ug/L		102	80 - 120	1	20

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Lab Sample ID: MB 320-874939/1-A

Matrix: Water

Analysis Batch: 875077

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 874939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
Perfluorooctanoic acid (PFOA)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
Perfluorononanoic acid (PFNA)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
Perfluorodecanoic acid (PFDA)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
Perfluorododecanoic acid (PFDoA)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
Hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0020	0.00050	ug/L		09/11/25 04:38	09/11/25 13:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	95		70 - 130	09/11/25 04:38	09/11/25 13:43	1

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: MB 320-874939/1-A
Matrix: Water
Analysis Batch: 875077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 874939

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	101		70 - 130	09/11/25 04:38	09/11/25 13:43	1
d5-NEtFOSAA	100		70 - 130	09/11/25 04:38	09/11/25 13:43	1
13C3 HFPO-DA	94		70 - 130	09/11/25 04:38	09/11/25 13:43	1

Lab Sample ID: LCS 320-874939/3-A
Matrix: Water
Analysis Batch: 875077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 874939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid (PFHxA)	0.0800	0.0662		ug/L		83	70 - 130
Perfluoroheptanoic acid (PFHpA)	0.0800	0.0700		ug/L		88	70 - 130
Perfluorooctanoic acid (PFOA)	0.0800	0.0745		ug/L		93	70 - 130
Perfluorononanoic acid (PFNA)	0.0800	0.0713		ug/L		89	70 - 130
Perfluorodecanoic acid (PFDA)	0.0800	0.0697		ug/L		87	70 - 130
Perfluoroundecanoic acid (PFUnA)	0.0800	0.0713		ug/L		89	70 - 130
Perfluorododecanoic acid (PFDoA)	0.0800	0.0692		ug/L		87	70 - 130
Perfluorotridecanoic acid (PFTrDA)	0.0800	0.0730		ug/L		91	70 - 130
Perfluorotetradecanoic acid (PFTA)	0.0800	0.0708		ug/L		88	70 - 130
Perfluorobutanesulfonic acid (PFBS)	0.0710	0.0580		ug/L		82	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	0.0730	0.0689		ug/L		94	70 - 130
Perfluorooctanesulfonic acid (PFOS)	0.0744	0.0676		ug/L		91	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.0800	0.0690		ug/L		86	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.0800	0.0650		ug/L		81	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.0747	0.0601		ug/L		80	70 - 130
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.0755	0.0666		ug/L		88	70 - 130
Hexafluoropropylene oxide dimer acid (HFPO DA)	0.0800	0.0664		ug/L		83	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.0757	0.0677		ug/L		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
13C2 PFHxA	84		70 - 130
13C2 PFDA	96		70 - 130
d5-NEtFOSAA	86		70 - 130
13C3 HFPO-DA	86		70 - 130

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LCSD 320-874939/4-A

Matrix: Water

Analysis Batch: 875077

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 874939

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Perfluorohexanoic acid (PFHxA)	0.0800	0.0675		ug/L		84	70 - 130		2	30
Perfluoroheptanoic acid (PFHpA)	0.0800	0.0713		ug/L		89	70 - 130		2	30
Perfluorooctanoic acid (PFOA)	0.0800	0.0716		ug/L		90	70 - 130		4	30
Perfluorononanoic acid (PFNA)	0.0800	0.0666		ug/L		83	70 - 130		7	30
Perfluorodecanoic acid (PFDA)	0.0800	0.0644		ug/L		81	70 - 130		8	30
Perfluoroundecanoic acid (PFUnA)	0.0800	0.0675		ug/L		84	70 - 130		5	30
Perfluorododecanoic acid (PFDoA)	0.0800	0.0674		ug/L		84	70 - 130		3	30
Perfluorotridecanoic acid (PFTrDA)	0.0800	0.0714		ug/L		89	70 - 130		2	30
Perfluorotetradecanoic acid (PFTA)	0.0800	0.0697		ug/L		87	70 - 130		2	30
Perfluorobutanesulfonic acid (PFBS)	0.0710	0.0603		ug/L		85	70 - 130		4	30
Perfluorohexanesulfonic acid (PFHxS)	0.0730	0.0702		ug/L		96	70 - 130		2	30
Perfluorooctanesulfonic acid (PFOS)	0.0744	0.0662		ug/L		89	70 - 130		2	30
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	0.0800	0.0706		ug/L		88	70 - 130		2	30
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	0.0800	0.0708		ug/L		88	70 - 130		9	30
9-Chlorohexadecafluoro-3-oxan onane-1-sulfonic acid (9Cl-PF3ONS)	0.0747	0.0616		ug/L		82	70 - 130		2	30
11-Chloroeicosafluoro-3-oxaund ecane-1-sulfonic acid (11Cl-PF3OUdS)	0.0755	0.0638		ug/L		85	70 - 130		4	30
Hexafluoropropylene oxide dimer acid (HFPO DA)	0.0800	0.0660		ug/L		82	70 - 130		1	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.0757	0.0698		ug/L		92	70 - 130		3	30

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
13C2 PFHxA	90		70 - 130
13C2 PFDA	91		70 - 130
d5-NEtFOSAA	90		70 - 130
13C3 HFPO-DA	85		70 - 130

Lab Sample ID: LLCS 320-874939/2-A

Matrix: Water

Analysis Batch: 875077

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 874939

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Perfluorohexanoic acid (PFHxA)	0.00400	0.00336		ug/L		84	50 - 150	
Perfluoroheptanoic acid (PFHpA)	0.00400	0.00371		ug/L		93	50 - 150	
Perfluorooctanoic acid (PFOA)	0.00400	0.00337		ug/L		84	50 - 150	
Perfluorononanoic acid (PFNA)	0.00400	0.00334		ug/L		84	50 - 150	
Perfluorodecanoic acid (PFDA)	0.00400	0.00353		ug/L		88	50 - 150	
Perfluoroundecanoic acid (PFUnA)	0.00400	0.00339		ug/L		85	50 - 150	

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LLCS 320-874939/2-A				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 875077				Prep Batch: 874939			
Analyte	Spike	LLCS	LLCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Perfluorododecanoic acid (PFDoA)	0.00400	0.00355		ug/L		89	50 - 150
Perfluorotridecanoic acid (PFTrDA)	0.00400	0.00348		ug/L		87	50 - 150
Perfluorotetradecanoic acid (PFTA)	0.00400	0.00321		ug/L		80	50 - 150
Perfluorobutanesulfonic acid (PFBS)	0.00355	0.00287		ug/L		81	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.00365	0.00315		ug/L		86	50 - 150
Perfluorooctanesulfonic acid (PFOS)	0.00372	0.00293		ug/L		79	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.00400	0.00320		ug/L		80	50 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.00400	0.00339		ug/L		85	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.00374	0.00287		ug/L		77	50 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.00378	0.00302		ug/L		80	50 - 150
Hexafluoropropylene oxide dimer acid (HFPO DA)	0.00400	0.00316		ug/L		79	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.00378	0.00318		ug/L		84	50 - 150
	LLCS	LLCS					
Surrogate	%Recovery	Qualifier	Limits				
13C2 PFHxA	89		70 - 130				
13C2 PFDA	94		70 - 130				
d5-NEtFOSAA	90		70 - 130				
13C3 HFPO-DA	85		70 - 130				

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 885-33801/17				Client Sample ID: Method Blank					
Matrix: Water				Prep Type: Total/NA					
Analysis Batch: 33801									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.020	0.017	mg/L			09/03/25 07:18	1
Beryllium	ND		0.0020	0.0011	mg/L			09/03/25 07:18	1
Boron	ND		0.040	0.0053	mg/L			09/03/25 07:18	1
Cadmium	ND		0.0020	0.0017	mg/L			09/03/25 07:18	1
Calcium	ND		1.0	0.42	mg/L			09/03/25 07:18	1
Iron	ND		0.020	0.0093	mg/L			09/03/25 07:18	1
Magnesium	ND		1.0	0.064	mg/L			09/03/25 07:18	1
Molybdenum	ND		0.0080	0.0063	mg/L			09/03/25 07:18	1
Potassium	ND		1.0	0.45	mg/L			09/03/25 07:18	1
Silver	ND		0.0050	0.0015	mg/L			09/03/25 07:18	1

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

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

Lab Sample ID: LCS 885-33801/37

Matrix: Water

Analysis Batch: 33801

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.498		mg/L		100	85 - 115
Beryllium	0.500	0.440		mg/L		88	85 - 115
Boron	0.500	0.458		mg/L		92	85 - 115
Cadmium	0.500	0.435		mg/L		87	85 - 115
Calcium	50.0	42.8		mg/L		86	85 - 115
Iron	0.500	0.426		mg/L		85	85 - 115
Magnesium	50.0	43.9		mg/L		88	85 - 115
Molybdenum	0.500	0.428		mg/L		86	85 - 115
Potassium	50.0	44.1		mg/L		88	85 - 115
Silver	0.100	0.0879		mg/L		88	85 - 115

Lab Sample ID: MRL 885-33801/14

Matrix: Water

Analysis Batch: 33801

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.0100	ND		mg/L		95	50 - 150
Barium	0.00200	0.00186	J	mg/L		93	50 - 150
Beryllium	0.00200	0.00203		mg/L		102	50 - 150
Boron	0.0400	0.0371	J	mg/L		93	50 - 150
Cadmium	0.00200	0.00194	J	mg/L		97	50 - 150
Calcium	0.500	0.459	J	mg/L		92	50 - 150
Chromium	0.00600	0.00531	J	mg/L		88	50 - 150
Cobalt	0.00600	0.00500	J	mg/L		83	50 - 150
Iron	0.0200	0.0210	J	mg/L		105	50 - 150
Magnesium	0.500	0.460	J	mg/L		92	50 - 150
Manganese	0.00200	0.00186	J	mg/L		93	50 - 150
Molybdenum	0.00800	ND		mg/L		56	50 - 150
Nickel	0.00500	0.00370	J	mg/L		74	50 - 150
Potassium	0.500	0.475	J	mg/L		95	50 - 150
Zinc	0.0100	0.0134		mg/L		134	50 - 150
Silver	0.00500	0.00482	J	mg/L		96	50 - 150

Lab Sample ID: MB 885-34004/56

Matrix: Water

Analysis Batch: 34004

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	ND		0.0030	0.0018	mg/L			09/05/25 10:17	1
Chromium	ND		0.0060	0.0030	mg/L			09/05/25 10:17	1
Cobalt	ND		0.0060	0.0033	mg/L			09/05/25 10:17	1
Manganese	ND		0.0020	0.0012	mg/L			09/05/25 10:17	1
Nickel	ND		0.010	0.0040	mg/L			09/05/25 10:17	1
Sodium	ND		1.0	0.25	mg/L			09/05/25 10:17	1
Zinc	ND		0.010	0.0075	mg/L			09/05/25 10:17	1

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

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

Lab Sample ID: LCS 885-34004/62

Matrix: Water

Analysis Batch: 34004

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
	Added	Result	Qualifier					
Barium	0.500	0.463		mg/L		93		85 - 115
Chromium	0.500	0.458		mg/L		92		85 - 115
Cobalt	0.500	0.449		mg/L		90		85 - 115
Manganese	0.500	0.449		mg/L		90		85 - 115
Nickel	0.500	0.452		mg/L		90		85 - 115
Sodium	50.0	43.4		mg/L		87		85 - 115
Zinc	0.500	0.454		mg/L		91		85 - 115

Lab Sample ID: MRL 885-34004/53

Matrix: Water

Analysis Batch: 34004

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec	Limits
	Added	Result	Qualifier					
Aluminum	0.0100	ND		mg/L		96		50 - 150
Barium	0.00200	0.00187	J	mg/L		94		50 - 150
Beryllium	0.00200	0.00151	J	mg/L		76		50 - 150
Boron	0.0400	0.0391	J	mg/L		98		50 - 150
Cadmium	0.00200	0.00199	J	mg/L		100		50 - 150
Calcium	0.500	0.440	J	mg/L		88		50 - 150
Chromium	0.00600	0.00766		mg/L		128		50 - 150
Cobalt	0.00600	0.00555	J	mg/L		93		50 - 150
Iron	0.0200	0.0126	J	mg/L		63		50 - 150
Magnesium	0.500	0.483	J	mg/L		97		50 - 150
Manganese	0.00200	0.00207		mg/L		104		50 - 150
Molybdenum	0.00800	0.00875		mg/L		109		50 - 150
Nickel	0.00500	0.00415	J	mg/L		83		50 - 150
Potassium	0.500	0.463	J	mg/L		93		50 - 150
Sodium	0.500	0.501	J	mg/L		100		50 - 150
Zinc	0.0100	0.00860	J	mg/L		86		50 - 150
Silver	0.00500	0.00542		mg/L		108		50 - 150

Lab Sample ID: MB 885-34121/17

Matrix: Water

Analysis Batch: 34121

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Sodium	ND		1.0	0.25	mg/L			09/08/25 08:15	1

Lab Sample ID: LCS 885-34121/18

Matrix: Water

Analysis Batch: 34121

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
	Added	Result	Qualifier					
Sodium	50.0	47.2		mg/L		94		85 - 115

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

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

Lab Sample ID: MRL 885-34121/14
Matrix: Water
Analysis Batch: 34121

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

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec	Limits
	Added	Result	Qualifier					
Aluminum	0.0100	ND		mg/L		108		50 - 150
Barium	0.00200	0.00242	J	mg/L		121		50 - 150
Beryllium	0.00200	0.00240		mg/L		120		50 - 150
Boron	0.0400	0.0400		mg/L		100		50 - 150
Cadmium	0.00200	0.00190	J	mg/L		95		50 - 150
Calcium	0.500	0.469	J	mg/L		94		50 - 150
Chromium	0.00600	0.00714		mg/L		119		50 - 150
Cobalt	0.00600	0.00663		mg/L		111		50 - 150
Iron	0.0200	0.0245	J	mg/L		123		50 - 150
Magnesium	0.500	0.485	J	mg/L		97		50 - 150
Manganese	0.00200	0.00206		mg/L		103		50 - 150
Molybdenum	0.00800	0.00642	J	mg/L		80		50 - 150
Potassium	0.500	0.474	J	mg/L		95		50 - 150
Sodium	0.500	0.439	J	mg/L		88		50 - 150
Silver	0.00500	0.00532		mg/L		106		50 - 150

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 885-34256/13
Matrix: Water
Analysis Batch: 34256

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		0.0010	0.00028	mg/L			09/08/25 14:58	1
Arsenic	ND		0.00050	0.00041	mg/L			09/08/25 14:58	1
Copper	ND		0.00050	0.00030	mg/L			09/08/25 14:58	1
Lead	ND		0.00050	0.00034	mg/L			09/08/25 14:58	1
Selenium	ND		0.0010	0.00092	mg/L			09/08/25 14:58	1
Cadmium	ND		0.00050	0.00018	mg/L			09/08/25 14:58	1
Thallium	ND		0.00025	0.000036	mg/L			09/08/25 14:58	1
Uranium	ND		0.00050	0.00019	mg/L			09/08/25 14:58	1

Lab Sample ID: LCS 885-34256/14
Matrix: Water
Analysis Batch: 34256

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
	Added	Result	Qualifier					
Antimony	0.0250	0.0245		mg/L		98		85 - 115
Arsenic	0.0250	0.0249		mg/L		99		85 - 115
Copper	0.0250	0.0255		mg/L		102		85 - 115
Lead	0.0125	0.0128		mg/L		102		85 - 115
Selenium	0.0250	0.0250		mg/L		100		85 - 115
Cadmium	0.0125	0.0130		mg/L		104		85 - 115
Thallium	0.0125	0.0127		mg/L		101		85 - 115
Uranium	0.0125	0.0127		mg/L		102		85 - 115

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

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

Lab Sample ID: MRL 885-34256/10

Matrix: Water

Analysis Batch: 34256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00100	0.00106		mg/L		106	50 - 150
Lead	0.000500	0.000502		mg/L		100	50 - 150
Selenium	0.00100	0.000922	J	mg/L		92	50 - 150
Cadmium	0.000500	0.000555		mg/L		111	50 - 150
Uranium	0.000500	0.000497	J	mg/L		99	50 - 150

Lab Sample ID: MRL 885-34256/11

Matrix: Water

Analysis Batch: 34256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.000500	0.000579		mg/L		116	50 - 150
Copper	0.000500	0.000595		mg/L		119	50 - 150
Thallium	0.000250	0.000294		mg/L		118	50 - 150

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 885-33722/12-A

Matrix: Water

Analysis Batch: 33799

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		09/02/25 12:52	09/03/25 09:23	1

Lab Sample ID: LCS 885-33722/14-A

Matrix: Water

Analysis Batch: 33799

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00510		mg/L		102	85 - 115

Lab Sample ID: LLCS 885-33722/13-A

Matrix: Water

Analysis Batch: 33799

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33722

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000134	J	mg/L		89	50 - 150

Lab Sample ID: MRL 885-33722/9-A

Matrix: Water

Analysis Batch: 33799

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33722

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000134	J	mg/L		89	50 - 150

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-33838/1

Matrix: Water

Analysis Batch: 33838

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	25	mg/L			09/03/25 16:34	1

Lab Sample ID: LCS 885-33838/2

Matrix: Water

Analysis Batch: 33838

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1020		mg/L		102	80 - 120

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 400-722045/25

Matrix: Water

Analysis Batch: 722045

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	ND		0.0050	0.0020	mg/L			09/04/25 14:48	1

Lab Sample ID: LCS 400-722045/26

Matrix: Water

Analysis Batch: 722045

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenols, Total	0.100	0.102		mg/L		102	90 - 110

Lab Sample ID: MRL 400-722045/20

Matrix: Water

Analysis Batch: 722045

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Phenols, Total	0.00500	0.00599		mg/L		120	50 - 150

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-33735/2

Matrix: Water

Analysis Batch: 33735

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			09/02/25 09:45	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			09/02/25 09:45	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			09/02/25 09:45	1

Lab Sample ID: LCS 885-33735/3

Matrix: Water

Analysis Batch: 33735

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	78.4		mg/L		92	90 - 110

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MRL 885-33735/1

Matrix: Water

Analysis Batch: 33735

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO ₃	21.2	25.8		mg/L		122	50 - 150

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: LCS 885-33736/4

Matrix: Water

Analysis Batch: 33736

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	100	102		umhos/cm		102	85 - 115

Lab Sample ID: MRL 885-33736/3

Matrix: Water

Analysis Batch: 33736

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	9.49	9.40	J	umhos/cm		99	50 - 150

Method: SM 4500 CN E - Cyanide, Total

Lab Sample ID: MB 570-620429/2-A

Matrix: Water

Analysis Batch: 620583

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 620429

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.025	0.0093	mg/L		09/03/25 13:36	09/03/25 16:10	1

Lab Sample ID: LCS 570-620429/3-A

Matrix: Water

Analysis Batch: 620583

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 620429

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0995		mg/L		99	80 - 120

Lab Sample ID: LCSD 570-620429/4-A

Matrix: Water

Analysis Batch: 620583

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 620429

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.100	0.0986		mg/L		99	80 - 120	1	20

Lab Sample ID: MRL 570-620429/1-A

Matrix: Water

Analysis Batch: 620583

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 620429

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0250	0.0210	J	mg/L		84	50 - 150

Eurofins Albuquerque

QC Sample Results

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-734790/1-A

Matrix: Water

Analysis Batch: 738387

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 734790

Analyte	MB Result	MB Qualifier	Count Uncert. (2 σ +/-)	Total Uncert. (2 σ +/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.002239	U	0.176	0.176	1.00	0.357	pCi/L	09/04/25 08:22	09/30/25 18:53	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					09/04/25 08:22	09/30/25 18:53	1

Lab Sample ID: LCS 160-734790/2-A

Matrix: Water

Analysis Batch: 738387

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 734790

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2 σ +/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.57	8.522		1.20	1.00	0.459	pCi/L	89	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	86.3		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-734791/1-A

Matrix: Water

Analysis Batch: 738401

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 734791

Analyte	MB Result	MB Qualifier	Count Uncert. (2 σ +/-)	Total Uncert. (2 σ +/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.003435	U	0.489	0.489	1.00	0.908	pCi/L	09/04/25 08:27	09/30/25 15:54	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					09/04/25 08:27	09/30/25 15:54	1
Y Carrier	83.4		30 - 110					09/04/25 08:27	09/30/25 15:54	1

Lab Sample ID: LCS 160-734791/2-A

Matrix: Water

Analysis Batch: 738387

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 734791

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2 σ +/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		9.02	8.929		1.27	1.00	0.535	pCi/L	99	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	86.3		30 - 110							
Y Carrier	81.9		30 - 110							

Eurofins Albuquerque

QC Association Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

GC/MS VOA

Analysis Batch: 34338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	8260B	
885-32182-2	DUP-20250828	Total/NA	Water	8260B	
885-32182-3	Trip Blank	Total/NA	Water	8260B	
MB 885-34338/5	Method Blank	Total/NA	Water	8260B	
LCS 885-34338/4	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 33674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	3511	
885-32182-2	DUP-20250828	Total/NA	Water	3511	
MB 885-33674/1-A	Method Blank	Total/NA	Water	3511	
LCS 885-33674/2-A	Lab Control Sample	Total/NA	Water	3511	

Analysis Batch: 33850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	8270E	33674
885-32182-2	DUP-20250828	Total/NA	Water	8270E	33674
MB 885-33674/1-A	Method Blank	Total/NA	Water	8270E	33674
LCS 885-33674/2-A	Lab Control Sample	Total/NA	Water	8270E	33674

Prep Batch: 721936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	3511	
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	3511	
885-32182-2	DUP-20250828	Total/NA	Water	3511	
885-32182-2	DUP-20250828	Total/NA	Water	3511	
MB 400-721936/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-721936/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-721936/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-721936/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-721936/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 722040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	8270E	721936
885-32182-2	DUP-20250828	Total/NA	Water	8270E	721936
MB 400-721936/1-A	Method Blank	Total/NA	Water	8270E	721936
LCS 400-721936/2-A	Lab Control Sample	Total/NA	Water	8270E	721936
LCS 400-721936/4-A	Lab Control Sample	Total/NA	Water	8270E	721936
LCSD 400-721936/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	721936
LCSD 400-721936/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	721936

Analysis Batch: 722042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	8270E	721936
885-32182-2	DUP-20250828	Total/NA	Water	8270E	721936
MB 400-721936/1-A	Method Blank	Total/NA	Water	8270E	721936

Eurofins Albuquerque

QC Association Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

GC Semi VOA

Prep Batch: 33697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	3510C	
885-32182-2	DUP-20250828	Total/NA	Water	3510C	
MB 885-33697/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-33697/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 885-33697/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-33697/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 885-33697/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 34010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	8011	
885-32182-2	DUP-20250828	Total/NA	Water	8011	
885-32182-3	Trip Blank	Total/NA	Water	8011	
MB 885-34010/3-A	Method Blank	Total/NA	Water	8011	
LCS 885-34010/4-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 885-34010/5-A	Lab Control Sample Dup	Total/NA	Water	8011	
MRL 885-34010/1-A	Lab Control Sample	Total/NA	Water	8011	

Analysis Batch: 34030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	8011	34010
885-32182-2	DUP-20250828	Total/NA	Water	8011	34010
885-32182-3	Trip Blank	Total/NA	Water	8011	34010
MB 885-34010/3-A	Method Blank	Total/NA	Water	8011	34010
LCS 885-34010/4-A	Lab Control Sample	Total/NA	Water	8011	34010
LCSD 885-34010/5-A	Lab Control Sample Dup	Total/NA	Water	8011	34010
MRL 885-34010/1-A	Lab Control Sample	Total/NA	Water	8011	34010

Analysis Batch: 34033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	8081B	33697
885-32182-2	DUP-20250828	Total/NA	Water	8081B	33697
MB 885-33697/1-A	Method Blank	Total/NA	Water	8081B	33697
LCS 885-33697/2-A	Lab Control Sample	Total/NA	Water	8081B	33697
LCSD 885-33697/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	33697

Analysis Batch: 34204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	8082A	33697
885-32182-2	DUP-20250828	Total/NA	Water	8082A	33697
MB 885-33697/1-A	Method Blank	Total/NA	Water	8082A	33697
LCS 885-33697/4-A	Lab Control Sample	Total/NA	Water	8082A	33697
LCSD 885-33697/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	33697

Prep Batch: 619939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	8151A	
885-32182-2	DUP-20250828	Total/NA	Water	8151A	
MB 570-619939/1-A	Method Blank	Total/NA	Water	8151A	
LCS 570-619939/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 570-619939/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Eurofins Albuquerque

QC Association Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

GC Semi VOA

Analysis Batch: 623301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	8151A	619939
885-32182-2	DUP-20250828	Total/NA	Water	8151A	619939
MB 570-619939/1-A	Method Blank	Total/NA	Water	8151A	619939
LCS 570-619939/2-A	Lab Control Sample	Total/NA	Water	8151A	619939
LCSD 570-619939/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	619939

HPLC/IC

Analysis Batch: 33563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	300.0	
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	300.0	
885-32182-2	DUP-20250828	Total/NA	Water	300.0	
885-32182-2	DUP-20250828	Total/NA	Water	300.0	
MB 885-33563/4	Method Blank	Total/NA	Water	300.0	
MB 885-33563/58	Method Blank	Total/NA	Water	300.0	
LCS 885-33563/5	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-33563/59	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-33563/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 33580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	300.0	
885-32182-2	DUP-20250828	Total/NA	Water	300.0	
MB 885-33580/4	Method Blank	Total/NA	Water	300.0	
MB 885-33580/58	Method Blank	Total/NA	Water	300.0	
LCS 885-33580/5	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-33580/59	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-33580/3	Lab Control Sample	Total/NA	Water	300.0	

Prep Batch: 620440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	8330	
885-32182-2	DUP-20250828	Total/NA	Water	8330	
MB 570-620440/1-A	Method Blank	Total/NA	Water	8330	
LCS 570-620440/2-A	Lab Control Sample	Total/NA	Water	8330	
LCSD 570-620440/3-A	Lab Control Sample Dup	Total/NA	Water	8330	

Analysis Batch: 621042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	8330A	620440
885-32182-2	DUP-20250828	Total/NA	Water	8330A	620440
MB 570-620440/1-A	Method Blank	Total/NA	Water	8330A	620440
LCS 570-620440/2-A	Lab Control Sample	Total/NA	Water	8330A	620440
LCSD 570-620440/3-A	Lab Control Sample Dup	Total/NA	Water	8330A	620440

LCMS

Analysis Batch: 622969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	331.0	
885-32182-2	DUP-20250828	Total/NA	Water	331.0	

Eurofins Albuquerque

QC Association Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

LCMS (Continued)

Analysis Batch: 622969 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-622969/8	Method Blank	Total/NA	Water	331.0	
LCS 570-622969/9	Lab Control Sample	Total/NA	Water	331.0	
LCSD 570-622969/10	Lab Control Sample Dup	Total/NA	Water	331.0	

Prep Batch: 874939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	537.1	
885-32182-2	DUP-20250828	Total/NA	Water	537.1	
MB 320-874939/1-A	Method Blank	Total/NA	Water	537.1	
LCS 320-874939/3-A	Lab Control Sample	Total/NA	Water	537.1	
LCSD 320-874939/4-A	Lab Control Sample Dup	Total/NA	Water	537.1	
LLCS 320-874939/2-A	Lab Control Sample	Total/NA	Water	537.1	

Analysis Batch: 875077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-874939/1-A	Method Blank	Total/NA	Water	537.1	874939
LCS 320-874939/3-A	Lab Control Sample	Total/NA	Water	537.1	874939
LCSD 320-874939/4-A	Lab Control Sample Dup	Total/NA	Water	537.1	874939
LLCS 320-874939/2-A	Lab Control Sample	Total/NA	Water	537.1	874939

Analysis Batch: 875079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	537.1	874939
885-32182-2	DUP-20250828	Total/NA	Water	537.1	874939

Metals

Prep Batch: 33722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	245.1	
885-32182-2	DUP-20250828	Total/NA	Water	245.1	
MB 885-33722/12-A	Method Blank	Total/NA	Water	245.1	
LCS 885-33722/14-A	Lab Control Sample	Total/NA	Water	245.1	
LLCS 885-33722/13-A	Lab Control Sample	Total/NA	Water	245.1	
MRL 885-33722/9-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 33799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	245.1	33722
885-32182-2	DUP-20250828	Total/NA	Water	245.1	33722
MB 885-33722/12-A	Method Blank	Total/NA	Water	245.1	33722
LCS 885-33722/14-A	Lab Control Sample	Total/NA	Water	245.1	33722
LLCS 885-33722/13-A	Lab Control Sample	Total/NA	Water	245.1	33722
MRL 885-33722/9-A	Lab Control Sample	Total/NA	Water	245.1	33722

Analysis Batch: 33801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Dissolved	Water	200.7 Rev 4.4	
885-32182-1	WDW-1MW-1-20250828	Dissolved	Water	200.7 Rev 4.4	
885-32182-2	DUP-20250828	Dissolved	Water	200.7 Rev 4.4	
885-32182-2	DUP-20250828	Dissolved	Water	200.7 Rev 4.4	

Eurofins Albuquerque

QC Association Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Metals (Continued)

Analysis Batch: 33801 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-33801/17	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 885-33801/37	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
MRL 885-33801/14	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 34004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Dissolved	Water	200.7 Rev 4.4	
885-32182-2	DUP-20250828	Dissolved	Water	200.7 Rev 4.4	
MB 885-34004/56	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 885-34004/62	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
MRL 885-34004/53	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 34121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Dissolved	Water	200.7 Rev 4.4	
885-32182-2	DUP-20250828	Dissolved	Water	200.7 Rev 4.4	
MB 885-34121/17	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 885-34121/18	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
MRL 885-34121/14	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 34256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Dissolved	Water	200.8	
885-32182-2	DUP-20250828	Dissolved	Water	200.8	
MB 885-34256/13	Method Blank	Total/NA	Water	200.8	
LCS 885-34256/14	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-34256/10	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-34256/11	Lab Control Sample	Total/NA	Water	200.8	

General Chemistry

Analysis Batch: 33735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	SM 2320B	
885-32182-2	DUP-20250828	Total/NA	Water	SM 2320B	
MB 885-33735/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-33735/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-33735/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 33736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	SM 2510B	
885-32182-2	DUP-20250828	Total/NA	Water	SM 2510B	
LCS 885-33736/4	Lab Control Sample	Total/NA	Water	SM 2510B	
MRL 885-33736/3	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 33737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	SM 4500 H+ B	
885-32182-2	DUP-20250828	Total/NA	Water	SM 4500 H+ B	

Eurofins Albuquerque

QC Association Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

General Chemistry

Analysis Batch: 33838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	2540C	
885-32182-2	DUP-20250828	Total/NA	Water	2540C	
MB 885-33838/1	Method Blank	Total/NA	Water	2540C	
LCS 885-33838/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 620429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	SM 4500 CN C	
885-32182-2	DUP-20250828	Total/NA	Water	SM 4500 CN C	
MB 570-620429/2-A	Method Blank	Total/NA	Water	SM 4500 CN C	
LCS 570-620429/3-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
LCSD 570-620429/4-A	Lab Control Sample Dup	Total/NA	Water	SM 4500 CN C	
MRL 570-620429/1-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	

Analysis Batch: 620583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	SM 4500 CN E	620429
885-32182-2	DUP-20250828	Total/NA	Water	SM 4500 CN E	620429
MB 570-620429/2-A	Method Blank	Total/NA	Water	SM 4500 CN E	620429
LCS 570-620429/3-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	620429
LCSD 570-620429/4-A	Lab Control Sample Dup	Total/NA	Water	SM 4500 CN E	620429
MRL 570-620429/1-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	620429

Analysis Batch: 722045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	420.4	
885-32182-2	DUP-20250828	Total/NA	Water	420.4	
MB 400-722045/25	Method Blank	Total/NA	Water	420.4	
LCS 400-722045/26	Lab Control Sample	Total/NA	Water	420.4	
MRL 400-722045/20	Lab Control Sample	Total/NA	Water	420.4	

Rad

Prep Batch: 734790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	PrecSep-21	
885-32182-2	DUP-20250828	Total/NA	Water	PrecSep-21	
MB 160-734790/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-734790/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 734791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32182-1	WDW-1MW-1-20250828	Total/NA	Water	PrecSep_0	
885-32182-2	DUP-20250828	Total/NA	Water	PrecSep_0	
MB 160-734791/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-734791/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Eurofins Albuquerque

Lab Chronicle

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: WDW-1MW-1-20250828

Lab Sample ID: 885-32182-1

Date Collected: 08/28/25 14:00

Matrix: Water

Date Received: 08/29/25 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	34338	JP	EET ALB	09/10/25 15:41
Total/NA	Prep	3511			33674	JM	EET ALB	09/02/25 06:57
Total/NA	Analysis	8270E		1	33850	DB	EET ALB	09/04/25 17:43
Total/NA	Prep	3511			721936	AMM	EET PEN	09/04/25 13:40
Total/NA	Analysis	8270E		1	722040	S1B	EET PEN	09/05/25 17:46
Total/NA	Prep	3511			721936	AMM	EET PEN	09/04/25 13:40
Total/NA	Analysis	8270E		1	722042	S1B	EET PEN	09/05/25 17:46
Total/NA	Prep	8011			34010	MB	EET ALB	09/05/25 16:11
Total/NA	Analysis	8011		1	34030	JE	EET ALB	09/06/25 17:41
Total/NA	Prep	3510C			33697	JM	EET ALB	09/02/25 11:21
Total/NA	Analysis	8081B		1	34033	MB	EET ALB	09/06/25 17:02
Total/NA	Prep	3510C			33697	JM	EET ALB	09/02/25 11:21
Total/NA	Analysis	8082A		1	34204	DB	EET ALB	09/09/25 00:18
Total/NA	Prep	8151A			619939	DVE6	EET CAL 4	09/03/25 14:06
Total/NA	Analysis	8151A		1	623301	ZE2W	EET CAL 4	09/10/25 20:21
Total/NA	Analysis	300.0		10	33563	RC	EET ALB	08/30/25 01:22
Total/NA	Analysis	300.0		10	33580	RC	EET ALB	08/30/25 01:22
Total/NA	Analysis	300.0		100	33563	RC	EET ALB	08/30/25 01:32
Total/NA	Prep	8330			620440	UM1W	EET CAL 4	09/03/25 14:07
Total/NA	Analysis	8330A		1	621042	U9XB	EET CAL 4	09/04/25 18:28
Total/NA	Analysis	331.0		5	622969	M5Z3	EET CAL 4	09/09/25 15:28
Total/NA	Prep	537.1			874939	GAT	EET SAC	09/11/25 04:38
Total/NA	Analysis	537.1		1	875079	Y1S	EET SAC	09/11/25 15:58
Dissolved	Analysis	200.7 Rev 4.4		1	33801	VP	EET ALB	09/03/25 08:21
Dissolved	Analysis	200.7 Rev 4.4		10	33801	VP	EET ALB	09/03/25 08:23
Dissolved	Analysis	200.7 Rev 4.4		10	34004	VP	EET ALB	09/05/25 11:19
Dissolved	Analysis	200.7 Rev 4.4		10	34121	VP	EET ALB	09/08/25 08:25
Dissolved	Analysis	200.8		1	34256	BV	EET ALB	09/08/25 17:03
Total/NA	Prep	245.1			33722	JR	EET ALB	09/02/25 12:53
Total/NA	Analysis	245.1		1	33799	JR	EET ALB	09/03/25 10:08
Total/NA	Analysis	2540C		1	33838	KS	EET ALB	09/03/25 16:34
Total/NA	Analysis	420.4		1	722045	VB	EET PEN	09/04/25 15:59
Total/NA	Analysis	SM 2320B		1	33735	DL	EET ALB	09/02/25 11:40
Total/NA	Analysis	SM 2510B		1	33736	DL	EET ALB	09/02/25 11:40
Total/NA	Prep	SM 4500 CN C			620429	ZVB7	EET CAL 4	09/03/25 13:36
Total/NA	Analysis	SM 4500 CN E		1	620583	ZVB7	EET CAL 4	09/03/25 16:18
Total/NA	Analysis	SM 4500 H+ B		1	33737	DL	EET ALB	09/02/25 11:40
Total/NA	Prep	PrecSep-21			734790	JTR	EET SL	09/04/25 08:22
Total/NA	Analysis	903.0		1	738401	SWS	EET SL	09/30/25 21:02
Total/NA	Prep	PrecSep_0			734791	JTR	EET SL	09/04/25 08:27
Total/NA	Analysis	904.0		1	738386	SWS	EET SL	09/30/25 16:13

Eurofins Albuquerque

Lab Chronicle

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: DUP-20250828
Date Collected: 08/28/25 13:00
Date Received: 08/29/25 08:14

Lab Sample ID: 885-32182-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	34338	JP	EET ALB	09/10/25 16:09
Total/NA	Prep	3511			33674	JM	EET ALB	09/02/25 06:57
Total/NA	Analysis	8270E		1	33850	DB	EET ALB	09/04/25 18:19
Total/NA	Prep	3511			721936	AMM	EET PEN	09/04/25 13:40
Total/NA	Analysis	8270E		1	722040	S1B	EET PEN	09/05/25 18:16
Total/NA	Prep	3511			721936	AMM	EET PEN	09/04/25 13:40
Total/NA	Analysis	8270E		1	722042	S1B	EET PEN	09/05/25 18:16
Total/NA	Prep	8011			34010	MB	EET ALB	09/05/25 16:11
Total/NA	Analysis	8011		1	34030	JE	EET ALB	09/06/25 17:56
Total/NA	Prep	3510C			33697	JM	EET ALB	09/02/25 11:21
Total/NA	Analysis	8081B		1	34033	MB	EET ALB	09/06/25 17:15
Total/NA	Prep	3510C			33697	JM	EET ALB	09/02/25 11:21
Total/NA	Analysis	8082A		1	34204	DB	EET ALB	09/09/25 00:54
Total/NA	Prep	8151A			619939	DVE6	EET CAL 4	09/03/25 14:06
Total/NA	Analysis	8151A		1	623301	ZE2W	EET CAL 4	09/10/25 20:44
Total/NA	Analysis	300.0		10	33563	RC	EET ALB	08/30/25 01:42
Total/NA	Analysis	300.0		10	33580	RC	EET ALB	08/30/25 01:42
Total/NA	Analysis	300.0		100	33563	RC	EET ALB	08/30/25 01:52
Total/NA	Prep	8330			620440	UM1W	EET CAL 4	09/03/25 14:07
Total/NA	Analysis	8330A		1	621042	U9XB	EET CAL 4	09/04/25 18:51
Total/NA	Analysis	331.0		2	622969	M5Z3	EET CAL 4	09/09/25 15:39
Total/NA	Prep	537.1			874939	GAT	EET SAC	09/11/25 04:38
Total/NA	Analysis	537.1		1	875079	Y1S	EET SAC	09/11/25 16:07
Dissolved	Analysis	200.7 Rev 4.4		1	33801	VP	EET ALB	09/03/25 08:35
Dissolved	Analysis	200.7 Rev 4.4		10	33801	VP	EET ALB	09/03/25 08:37
Dissolved	Analysis	200.7 Rev 4.4		10	34004	VP	EET ALB	09/05/25 11:23
Dissolved	Analysis	200.7 Rev 4.4		10	34121	VP	EET ALB	09/08/25 08:27
Dissolved	Analysis	200.8		1	34256	BV	EET ALB	09/08/25 17:12
Total/NA	Prep	245.1			33722	JR	EET ALB	09/02/25 12:53
Total/NA	Analysis	245.1		1	33799	JR	EET ALB	09/03/25 10:10
Total/NA	Analysis	2540C		1	33838	KS	EET ALB	09/03/25 16:34
Total/NA	Analysis	420.4		1	722045	VB	EET PEN	09/04/25 16:02
Total/NA	Analysis	SM 2320B		1	33735	DL	EET ALB	09/02/25 11:48
Total/NA	Analysis	SM 2510B		1	33736	DL	EET ALB	09/02/25 11:48
Total/NA	Prep	SM 4500 CN C			620429	ZVB7	EET CAL 4	09/03/25 13:36
Total/NA	Analysis	SM 4500 CN E		1	620583	ZVB7	EET CAL 4	09/03/25 16:19
Total/NA	Analysis	SM 4500 H+ B		1	33737	DL	EET ALB	09/02/25 11:48
Total/NA	Prep	PrecSep-21			734790	JTR	EET SL	09/04/25 08:22
Total/NA	Analysis	903.0		1	738401	SWS	EET SL	09/30/25 21:03
Total/NA	Prep	PrecSep_0			734791	JTR	EET SL	09/04/25 08:27
Total/NA	Analysis	904.0		1	738386	SWS	EET SL	09/30/25 16:14

Lab Chronicle

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Client Sample ID: Trip Blank
Date Collected: 08/28/25 00:00
Date Received: 08/29/25 08:14

Lab Sample ID: 885-32182-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	34338	JP	EET ALB	09/10/25 12:56
Total/NA	Prep	8011			34010	MB	EET ALB	09/05/25 16:11
Total/NA	Analysis	8011		1	34030	JE	EET ALB	09/06/25 18:10

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001
EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	09-23-25

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

Analysis Method	Prep Method	Matrix	Analyte
8081B	3510C	Water	Chlordane (technical) Peak 1
8081B	3510C	Water	Chlordane (technical) Peak 2
8081B	3510C	Water	Chlordane (technical) Peak 3
8081B	3510C	Water	Chlordane (technical) Peak 4
8081B	3510C	Water	Chlordane (technical) Peak 5
8081B	3510C	Water	Toxaphene Peak 1
8081B	3510C	Water	Toxaphene Peak 2
8081B	3510C	Water	Toxaphene Peak 3
8081B	3510C	Water	Toxaphene Peak 4
8081B	3510C	Water	Toxaphene Peak 5
8260B		Water	Acrolein
8260B		Water	Acrylonitrile
8270E	3511	Water	1,2,4-Trichlorobenzene
8270E	3511	Water	1,2-Dichlorobenzene
8270E	3511	Water	1,3-Dichlorobenzene
8270E	3511	Water	1,4-Dichlorobenzene
8270E	3511	Water	1,4-Dioxane
8270E	3511	Water	1-Methylnaphthalene
8270E	3511	Water	2,2'-oxybis[1-chloropropane]
8270E	3511	Water	2,4,5-Trichlorophenol
8270E	3511	Water	2,4,6-Trichlorophenol
8270E	3511	Water	2,4-Dichlorophenol
8270E	3511	Water	2,4-Dimethylphenol
8270E	3511	Water	2,4-Dinitrophenol
8270E	3511	Water	2,4-Dinitrotoluene
8270E	3511	Water	2,6-Dinitrotoluene
8270E	3511	Water	2-Chloronaphthalene
8270E	3511	Water	2-Chlorophenol
8270E	3511	Water	2-Methylnaphthalene
8270E	3511	Water	2-Methylphenol
8270E	3511	Water	2-Nitroaniline
8270E	3511	Water	2-Nitrophenol
8270E	3511	Water	3 & 4 Methylphenol
8270E	3511	Water	3,3'-Dichlorobenzidine
8270E	3511	Water	3-Nitroaniline
8270E	3511	Water	4,6-Dinitro-2-methylphenol
8270E	3511	Water	4-Bromophenyl phenyl ether
8270E	3511	Water	4-Chloro-3-methylphenol
8270E	3511	Water	4-Chloroaniline
8270E	3511	Water	4-Chlorophenyl phenyl ether
8270E	3511	Water	4-Nitroaniline
8270E	3511	Water	4-Nitrophenol
8270E	3511	Water	Acenaphthene
8270E	3511	Water	Acenaphthylene
8270E	3511	Water	Aniline

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8270E	3511	Water	Anthracene
8270E	3511	Water	Atrazine
8270E	3511	Water	Azobenzene
8270E	3511	Water	Benzidine
8270E	3511	Water	Benzo[a]anthracene
8270E	3511	Water	Benzo[a]pyrene
8270E	3511	Water	Benzo[b]fluoranthene
8270E	3511	Water	Benzo[g,h,i]perylene
8270E	3511	Water	Benzo[k]fluoranthene
8270E	3511	Water	Benzoic acid
8270E	3511	Water	Benzyl alcohol
8270E	3511	Water	Bis(2-chloroethoxy)methane
8270E	3511	Water	Bis(2-chloroethyl)ether
8270E	3511	Water	Bis(2-ethylhexyl) phthalate
8270E	3511	Water	Butyl benzyl phthalate
8270E	3511	Water	Carbazole
8270E	3511	Water	Chrysene
8270E	3511	Water	Dibenz(a,h)anthracene
8270E	3511	Water	Dibenzofuran
8270E	3511	Water	Diethyl phthalate
8270E	3511	Water	Dimethyl phthalate
8270E	3511	Water	Di-n-butyl phthalate
8270E	3511	Water	Di-n-octyl phthalate
8270E	3511	Water	Fluoranthene
8270E	3511	Water	Fluorene
8270E	3511	Water	Hexachlorobenzene
8270E	3511	Water	Hexachlorobutadiene
8270E	3511	Water	Hexachlorocyclopentadiene
8270E	3511	Water	Hexachloroethane
8270E	3511	Water	Indeno[1,2,3-cd]pyrene
8270E	3511	Water	Isophorone
8270E	3511	Water	Naphthalene
8270E	3511	Water	Nitrobenzene
8270E	3511	Water	N-Nitrosodimethylamine
8270E	3511	Water	N-Nitrosodi-n-propylamine
8270E	3511	Water	N-Nitrosodiphenylamine
8270E	3511	Water	Pentachlorophenol
8270E	3511	Water	Phenanthrene
8270E	3511	Water	Phenol
8270E	3511	Water	Pyrene
8270E	3511	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Accreditation/Certification Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Laboratory: Eurofins Calscience (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-16-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	09-10-25
Oregon	NELAP	4175	09-18-25
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-25

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska	State	CA00044	06-30-26
Alaska (UST)	State	17-020	02-20-27
ANAB	Dept. of Defense ELAP	L2468	01-20-27
ANAB	Dept. of Energy	L2468.01	01-20-27
ANAB	ISO/IEC 17025	L2468.03	01-20-27
Arizona	State	AZ0708	08-11-26

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Laboratory: Eurofins Sacramento (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0691	05-18-26
California	State	2897	01-31-26
Colorado	State	CA00044	08-31-26
Florida	NELAP	E87570	06-30-26
Georgia	State	4040	01-29-26
Illinois	NELAP	200060	03-31-26
Kansas	NELAP	E-10375	10-31-25
Louisiana	NELAP	01944	06-30-26
Louisiana (All)	NELAP	01944	06-30-26
Maine	State	CA00004	04-14-26
Massachusetts	State	M-CA044	06-30-26
Michigan	State	9947	01-29-26
Minnesota	NELAP	2749448	12-31-25
Nevada	State	CA00044	07-31-26
New Jersey	NELAP	CA005	06-30-26
New York	NELAP	11666	04-01-26
Ohio	State	41252	01-29-26
Oregon	NELAP	4040	01-29-26
Texas	NELAP	T104704399-23-17	05-31-26
US Fish & Wildlife	US Federal Programs	A22139	04-30-26
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-28-26
Virginia	NELAP	460278	03-14-26
Washington	State	C581	05-05-26
West Virginia (DW)	State	9930C	02-01-26
West Virginia DEP	State	422	03-28-26
Wisconsin	State	998204680	08-31-26
Wyoming	State Program	8TMS-L	01-28-19 *

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	07-01-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: HFSNR

Job ID: 885-32182-1

Laboratory: Eurofins St. Louis (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-25 *
Oklahoma	NELAP	9997	12-31-25
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25 *
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Albuquerque



Work Plan for Monitor Well Installation and Sampling
HF Sinclair Navajo Refinery

Table 1. Analytical Parameters
Page 1 of 9

Parameter	Laboratory Method	Concentration (mg/L ^a)		Bottle	Preservative	Holding Time
		NMAC Standard	Reporting Limit			
Aluminum, dissolved	200.7	5	0.02	1-125 mL HDPE (F+S)	HNO ₃	128 days
Barium, dissolved	200.7	2	0.003	1-125 mL HDPE (F+S)	HNO ₃	128 days
Beryllium, dissolved	200.7	0.004	0.002	1-125 mL HDPE (F+S)	HNO ₃	128 days
Boron, dissolved	200.7	0.75	0.04	1-125 mL HDPE (F+S)	HNO ₃	128 days
Calcium, dissolved	200.7	—	1	1-125 mL HDPE (F+S)	HNO ₃	128 days
Cadmium, dissolved	200.7	0.005	0.002	1-125 mL HDPE (F+S)	HNO ₃	128 days
Chromium, dissolved	200.7	0.05	0.006	1-125 mL HDPE (F+S)	HNO ₃	128 days
Cobalt, dissolved	200.7	0.5	0.006	1-125 mL HDPE (F+S)	HNO ₃	128 days
Iron, dissolved	200.7	1	0.02	1-125 mL HDPE (F+S)	HNO ₃	128 days
Magnesium, dissolved	200.7	—	1	1-125 mL HDPE (F+S)	HNO ₃	128 days
Manganese, dissolved	200.7	0.2	0.002	1-125 mL HDPE (F+S)	HNO ₃	128 days
Molybdenum, dissolved	200.7	1	0.008	1-125 mL HDPE (F+S)	HNO ₃	128 days
Potassium, dissolved	200.7	—	1	1-125 mL HDPE (F+S)	HNO ₃	128 days
Sodium, dissolved	200.7	—	1	1-125 mL HDPE (F+S)	HNO ₃	128 days
Nickel, dissolved	200.7	0.2	0.01	1-125 mL HDPE (F+S)	HNO ₃	128 days
Zinc, dissolved	200.7	10	0.01	1-125 mL HDPE (F+S)	HNO ₃	128 days
Antimony, dissolved	200.8	0.006	0.001	1-125 mL HDPE (F+S)	HNO ₃	128 days
Arsenic, dissolved	200.8	0.01	0.001	1-125 mL HDPE (F+S)	HNO ₃	128 days
Copper, dissolved	200.8	1	0.001	1-125 mL HDPE (F+S)	HNO ₃	128 days
Lead, dissolved	200.8	0.015	0.0005	1-125 mL HDPE (F+S)	HNO ₃	128 days
Selenium, dissolved	200.8	0.05	0.001	1-125 mL HDPE (F+S)	HNO ₃	128 days
Silver, dissolved	200.7	0.05	0.005	1-125 mL HDPE (F+S)	HNO ₃	128 days

Notes are provided at the end of the table.

March 5, 2025

DB22-1334 | Document4

Work Plan for Monitor Well Installation and Sampling
HF Sinclair Navajo Refinery



Table 1. Analytical Parameters
Page 2 of 9

Thallium, dissolved	200.8	0.002	0.00025	1-125 mL HDPE (F+S)	HNO ₃	128 days
Uranium, dissolved	200.8	0.03	0.0005	1-125 mL HDPE (F+S)	HNO ₃	128 days
Mercury, total	245.1	0.002	0.0002	1-250 mL HDPE	HNO ₃	28 days
Bromide	300	—	0.1	1-125 mL HDPE	Unpreserved	28 days
Chloride	300	250	0.5	1-125 mL HDPE	Unpreserved	28 days
Fluoride	300	1.6	0.1	1-250 mL HDPE	Unpreserved	28 days
Nitrate	300	10	0.1	1-125 mL HDPE	Unpreserved	48 hours
Nitrite	300	1	0.1	1-125 mL HDPE	Unpreserved	48 hours
Sulfate	300	600	0.5	1-125 mL HDPE	Unpreserved	28 days
Perchlorate (CAS 14797-73-0)	331.0	—	0.00005	1-125 mL plastic	Unpreserved	28 days
Cyanide	335.4	0.2	0.01	1-500 mL plastic amber	NaOH	14 days
1,2-Dibromoethane (ethylene dibromide, EDB) (CAS 106-93-4)	504.1	0.00005	0.00001	2-40 mL VOAs	Na ₂ S ₂ O ₃	14 days
Perfluorohexane sulfonic acid (PHHxS) (CAS 355-46-4)	537	—	0.00001	2-250 mL HDPE	Unpreserved	14 days
Perfluorooctane sulfonate (PFOS) (CAS 1763-23-1)	537	—	0.00001	2-250 mL HDPE	Unpreserved	14 days
Perfluorooctanoic acid (PFOA) (CAS 335-67-1)	537	—	0.00001	2-250 mL HDPE	Unpreserved	14 days
Aldrin (CAS 309-00-2)	8081	—	0.0001	6-1 L glass amber	Unpreserved	7 days
DDT (CAS 50-29-3)	8081	—	0.0001	6-1 L glass amber	Unpreserved	7 days
Dieldrin (CAS 60-57-1)	8081	—	0.0001	6-1 L glass amber	Unpreserved	7 days
Polychlorinated biphenyls (PCBs) (CAS 1336-36-3)	8082	0.0005	0.00025	6-1 L glass amber	Unpreserved	40 days
2,4,5-TP (Silvex)	8151	—	0.0001	1-1 L glass amber	Unpreserved	14 days
2,4-D (2,4-Dichlorophenoxyacetic acid)	8151	—	0.0001	1-1 L glass amber	Unpreserved	14 days
Monochlorobenzene (CAS 108-90-7)	8260	—	0.0001	6-1 L glass amber	Unpreserved	14 days
Thiolane 1,1 dioxide (sulfolane) (CAS 126-33-0)	8270	—	Narrative only	6-1 L glass amber	Unpreserved	7 days
2,4,6-Trinitrotoluene (TNT) (CAS 118-96-7)	8330	—	0.00338	6-1 L glass amber	Unpreserved	14 days

Notes are provided at the end of the table.

March 5, 2025

DB22 1334 | Document4

Work Plan for Monitor Well Installation and Sampling
HF Sinclair Navajo Refinery



Table 1. Analytical Parameters
Page 3 of 9

Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) (CAS 121-82-4)	8330	—	0.00338	6-1 L glass amber	Unpreserved	14 days
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) (CAS 2691-41-0)	8330	—	0.00338	6-1 L glass amber	Unpreserved	14 days
Alkalinity, total	2320B	—	20	1-250 mL HDPE	Unpreserved	14 days
Bicarbonate	2320B	—	20	1-250 mL HDPE	Unpreserved	14 days
Carbonate	2320B	—	2	1-250 mL HDPE	Unpreserved	14 days
Specific conductance (µmhos/cm)	2510B	—	10 µmhos/cm	1-125 mL HDPE	Unpreserved	28 days
Total dissolved solids	2540C	—	20	1-1 L HDPE	Unpreserved	7 days
Cadmium, dissolved	6010B	—	0.002	1-125 mL plastic (F&S)	HNO ₃	180 days
Chlordane	8081A	—	0.001	2-40 mL VOAs	HCl	7 days
Endosulfan (CAS 115-29-7)	8081A	—	0.0001	2-40 mL VOAs	HCl	7 days
Endrin	8081A	—	0.0001	4-40 mL VOAs	HCl	7 days
Heptachlor (and its epoxide)	8081A	—	0.0001	2-40 mL VOAs	Na ₂ S ₂ O ₃	7 days
Hexachlorocyclohexane (HCH, lindane): alpha- HCH; beta-HCH; gamma-HCH; and, technical-HCH	8081A	—	0.0001	2-40 mL VOAs	Na ₂ S ₂ O ₃	7 days
Lindane	8081A	—	0.0001	2-40 mL VOAs	Na ₂ S ₂ O ₃	7 days
Methoxychlor	8081A	—	0.0001	2-40 mL VOAs	Na ₂ S ₂ O ₃	7 days
Toxaphene	8081A	—	0.001	2-40 mL VOAs	Na ₂ S ₂ O ₃	7 days
1,1,1-Trichloroethane (TCA)	8260B	0.2	0.001	3-40 mL VOAs	HCl	14 days
1,1,2,2-Tetrachloroethane	8260B	0.01	0.001	3-40 mL VOAs	HCl	14 days
1,1,2-Trichloroethane	8260B	0.005	0.001	3-40 mL VOAs	HCl	14 days
1,1-Dichloroethane	8260B	0.025	0.001	3-40 mL VOAs	HCl	14 days
1,1-Dichloroethene (1,1-DCE) (CAS 75-35-4)	8260B	0.007	0.001	3-40 mL VOAs	HCl	14 days
1,2,4-Trichlorobenzene (CAS 120-82-1)	8260B	0.07	0.001	3-40 mL VOAs	HCl	14 days
1,2,4-Trichlorophenol	8260B	—	Narrative only	3-40 mL VOAs	HCl	14 days

Notes are provided at the end of the table.

March 5, 2025

DB22 334 Co.mond

Work Plan for Monitor Well Installation and Sampling
HF Sinclair Navajo Refinery



Table 1. Analytical Parameters
Page 4 of 9

1,2-Dichlorobenzene	8260B	0.6	0.001	3-40 mL VOAs	HCl	14 days
1,2-Dichloroethane (EDC)	8260B	0.005	0.001	3-40 mL VOAs	HCl	14 days
1,2-Dichloropropane	8260B	0.005	0.001	3-40 mL VOAs	HCl	14 days
1,4-Dichlorobenzene	8260B	0.075	0.001	3-40 mL VOAs	HCl	14 days
1-Methylnaphthalene (CAS 90-12-0)	8260B	—	0.004	3-40 mL VOAs	HCl	14 days
2-Methylnaphthalene (CAS 91-57-6)	8260B	—	0.004	3-40 mL VOAs	HCl	14 days
Acrolein (CAS 107-02-8)	8260B	—	0.01	3-40 mL VOAs	HCl	14 days
Acrylonitrile (CAS 107-13-1)	8260B	—	0.01	3-40 mL VOAs	HCl	14 days
Benzene	8260B	0.005	0.001	3-40 mL VOAs	HCl	14 days
Bromodichloromethane (CAS 75-27-4)	8260B	—	0.001	3-40 mL VOAs	HCl	14 days
Bromomethane (CAS 74-83-9)	8260B	—	0.002	3-40 mL VOAs	HCl	14 days
Carbon tetrachloride	8260B	0.005	0.001	3-40 mL VOAs	HCl	14 days
Chlorobenzene	8260B	—	0.001	3-40 mL VOAs	HCl	14 days
Chloroform	8260B	0.1	0.001	3-40 mL VOAs	HCl	14 days
Chloromethane (CAS 74-87-3)	8260B	—	0.001	3-40 mL VOAs	HCl	14 days
Chloroethene (vinyl chloride) (CAS 75-01-4)	8260B	—	0.001	3-40 mL VOAs	HCl	14 days
cis-1,2-dichloroethene	8260B	0.07	0.001	3-40 mL VOAs	HCl	14 days
Dichlorodifluoromethane (fluorocarbon-12) (CAS 75-71-8)	8260B	—	0.001	3-40 mL VOAs	HCl	14 days
Ethylbenzene	8260B	0.7	0.001	3-40 mL VOAs	HCl	14 days
Methyl ethyl ketone	8260B	—	0.01	3-40 mL VOAs	HCl	14 days
Methyl tertiary-butyl ether (MTBE)	8260B	—	0.001	3-40 mL VOAs	HCl	14 days
Methylene chloride	8260B	0.005	0.001	3-40 mL VOAs	HCl	14 days
Naphthalene (CAS 91-20-3)	8260B	—	0.002	3-40 mL VOAs	HCl	14 days
Styrene	8260B	0.1	0.001	3-40 mL VOAs	HCl	14 days

Notes are provided at the end of the table.

March 5, 2025

DB22 1334 | Document4

Work Plan for Monitor Well Installation and Sampling
HF Sinclair Navajo Refinery



Table 1. Analytical Parameters
Page 5 of 9

Tetrachloroethene (perchloroethylene, PCE) (CAS 127-18-4)	8260B	0.005	0.001	3-40 mL VOAs	HCl	14 days
Tetrachloromethane (carbon tetrachloride) (CAS 56-23-5)	8260B	—	0.001	3-40 mL VOAs	HCl	14 days
Toluene	8260B	1	0.001	3-40 mL VOAs	HCl	14 days
trans-1,2-Dichloroethene	8260B	0.1	0.001	3-40 mL VOAs	HCl	14 days
Tribromomethane (bromoform) (CAS 75-25-2)	8260B	—	0.001	3-40 mL VOAs	HCl	14 days
Trichloroethylene (TCE)	8260B	0.005	0.001	3-40 mL VOAs	HCl	14 days
Trichlorofluoromethane (fluorocarbon-11) (CAS 75-69-4)	8260B	—	0.001	3-40 mL VOAs	HCl	14 days
Trichloromethane (chloroform) (CAS 67-66-3)	8260B	—	0.001	3-40 mL VOAs	HCl	14 days
Vinyl chloride	8260B	0.002	0.001	3-40 mL VOAs	HCl	14 days
Xylenes (total) including m-xylene, o-xylene and p-xylene	8260B	0.62	0.002	3-40 mL VOAs	HCl	14 days
1,4-Dioxane (CAS 123-91-1)	8270C	—	0.001	6-1 L glass amber	Unpreserved	14 days
2,4,5-Trichlorophenol	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
2,4,6-Trichlorophenol	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
2,4-Dichlorophenol (CAS 120-83-2)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
2,4-Dinitro-o-cresol (CAS 534-52-1)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
2,4-Dinitrotoluene	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
2,6-Dinitrotoluene (2,6-DNT) (CAS 606-20-2)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
3,4-Benzofluoranthene (CAS 205-99-2)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Anthracene (CAS 120-12-7)	8270C	—	0.0003	6-1 L glass amber	Unpreserved	14 days
Atrazine	8270C	0.003	0.0015	6-1 L glass amber	Unpreserved	14 days
Benzidine (CAS 92-87-5)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Benzo(k)fluoranthene (CAS 207-08-9)	8270C	—	0.0003	6-1 L glass amber	Unpreserved	14 days

Notes are provided at the end of the table.

March 5, 2025

DB22 1334 | Document4

Work Plan for Monitor Well Installation and Sampling
HF Sinclair Navajo Refinery



Table 1. Analytical Parameters
Page 6 of 9

Benzo-a-pyrene	8270C	0.0002	0.00014	6-1 L glass amber	Unpreserved	14 days
bis (2-chloroethyl) ether (CAS 111-44-4)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
bis (2-chloroisopropyl) ether (CAS 108-60-1)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
bis (chloromethyl) ether (CAS 542-88-1)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Cresol	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Di-2-ethylhexyl phthalate (DEHP) (CAS 117-81-7)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Dibutyl phthalate (CAS 84-74-2)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
3,3-Dichlorobenzidine (CAS 91-94-1)	8270 C	—	0.0001	6-1 L glass amber	Unpreserved	14 days
Dichloropropenes (CAS 542-75-6)	8270C	—	0.0001	6-1 L glass amber	Unpreserved	14 days
Diethyl phthalate (DEP) (CAS 84-66-2)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Dimethyl phthalate (DMP) (CAS 131-11-3)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Dinitrophenols (CAS 51-28-5)	8270C	—	0.0001	6-1 L glass amber	Unpreserved	14 days
Diphenylhydrazine (CAS 122-66-7)	8270C	—	0.0001	6-1 L glass amber	Unpreserved	14 days
Fluoranthene (CAS 206-44-0)	8270C	—	0.0003	6-1 L glass amber	Unpreserved	14 days
Fluorene (CAS 86-73-7)	8270C	—	0.0003	6-1 L glass amber	Unpreserved	14 days
Hexachlorobenzene (CAS 118-74-1)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Hexachlorobutadiene (CAS 87-68-3)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Hexachlorocyclopentadiene (CAS 77-47-4)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Hexachloroethane	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Isophorone (CAS 78-59-1)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
m-Cresol	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Nitrobenzene	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
N-nitrosodibutylamine (CAS 924-16-3)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
N-nitrosodiethylamine (CAS 55-18-5)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
N-nitrosodimethylamine (CAS 62-75-9)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days

Notes are provided at the end of the table

March 5 2025

032713 4 | Document4

Work Plan for Monitor Well Installation and Sampling
HF Sinclair Navajo Refinery



Table 1. Analytical Parameters
Page 7 of 9

N-nitrosodiphenylamine (CAS 86-30-6)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
N-nitrosopyrrolidine (CAS 930-55-2)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
o-Cresol	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
PAHs (total naphthalene plus monomethylnaphthalenes)	8270C	0.03	0.0003	6-1 L glass amber	Unpreserved	14 days
p-Cresol	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Pentachlorobenzene (CAS 608-93-5)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Pentachlorophenol	8270C	0.001	0.0003	6-1 L glass amber	Unpreserved	14 days
Phenanthrene (CAS 85-01-8)	8270C	—	0.0003	6-1 L glass amber	Unpreserved	14 days
Phenol (CAS 108-95-2)	8270C	0.005	0.0005	2-1 L glass amber	H ₂ SO ₄	7 days
Polynuclear aromatic hydrocarbons (PAHs)	8270C	—	0.0003	6-1 L glass amber	Unpreserved	14 days
Prometon (CAS 1610-18-0)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Pyrene (CAS 129-00-0)	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
Pyridine	8270C	—	0.0005	6-1 L glass amber	Unpreserved	14 days
1,2,4,5-Tetrachlorobenzene (CAS 95-94-3)	8270E	—	0.0005	6-1 L glass amber	Unpreserved	7 days
Radium-226 and -228 combined (pCi/L)	903.0 and 904.0	5 pCi/L	<5	2-1 L HDPE	HCl	180 days
pH (s.u.)	9040C	6-9	~2-12	1-1 L HDPE	Unpreserved	15 minutes
Cation/anion balance	Calculation	—	NA	—	—	—
Temperature (°C)	Provided with pH	—	—	—	—	—

Source: 20.6.2.3103 NMAC and 20.6.2.7 NMAC "Toxic Parameters"

^a Unless otherwise noted

mg/L = Milligrams per liter

— = Unspecified

µmhos/cm = Micromhos per centimeter

pCi/L = Pico curies per liter

s.u. = Standard units

NA = Not applicable

Notes are provided at the end of the table.

March 5, 2025

DB22 1334 | Documentd

ORIGIN ID:ABQA (505) 345-3975
 SAMPLE RECEIVING
 EUROFINS ABQ
 4901 HAWKINS NE

SHIP DATE: 02SEP25
 ACTWGT: 51.00 LB
 CAD: 1717027/INET4535

ALBUQUERQUE, NM 87109
 UNITED STATES US

BILL SENDER

TO **SAMPLE RECIEVING**
EUROFINS TUSTIN
2841 DOW AVE
SUITE 100
TUSTIN CA 92780

58GJ2150E69F2

(714) 895-5494

REF:

INV:

DEPT:

PO:



FedEx
 Express

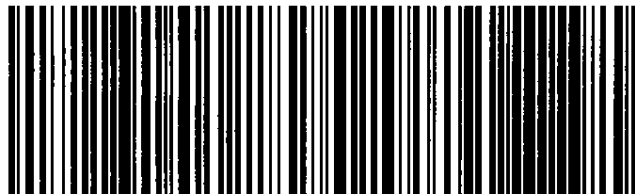


WED - 03 SEP 10:30A
PRIORITY OVERNIGHT

TRK# **8840 5032 9923**
 0201

XA DTHA

92780
CA-US SNA



After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
 1. Fold the printed page along the horizontal line.
 2. Place label in shipping pouch and affix it to your shipment.



885-32182 Waybill

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Chain of Custody Record

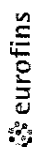
 eurofins

Environment Testing

[illegible]

Ver: 10/10/2024

Chain of Custody Record



Environment Testing

[illegible]

Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record



Environment Testing

[illegible]

Eurofins Albuquerque

4901 Hawkins NE

Albuquerque, NM 87109

Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record



Loc: 885

Er 32182

[illegible]

Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-32182-1

Login Number: 32182

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-32182-1

Login Number: 32182

List Number: 3

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 09/03/25 12:12 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-32182-1

Login Number: 32182

List Number: 4

Creator: Pardonner, Brett

List Source: Eurofins Pensacola

List Creation: 09/03/25 05:36 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.8°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-32182-1

Login Number: 32182

List Number: 5

Creator: Simmons, Jason C

List Source: Eurofins Sacramento

List Creation: 09/03/25 03:53 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-32182-1

Login Number: 32182

List Number: 2

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 09/03/25 01:06 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

**HF Sinclair Navajo Refining
Demonstration of Mechanical Integrity (MI) for Class I Wells
July 25, 2025**

This analysis examines the underground injection control (UIC) program mechanical integrity requirements for Class I injection wells and explains how HF Sinclair Navajo Refinery (Navajo Refinery) satisfies those requirements for the four Class I nonhazardous injection wells operated there. The analysis is provided in response to recent inquiries from the OCD UIC program.

- Section 20.6.2.5204(B) of the applicable regulations require demonstrations of mechanical integrity for Class I nonhazardous injection wells "at least once every five years or more frequently as the secretary may require for good cause during the life of the well" through use of the following tests:
 - (1) for evaluation of leaks:
 - (a) monitoring of annulus pressure (after an initial pressure test with liquid or gas before operation commences); or
 - (b) pressure test with liquid or gas;
 - (2) for determination of conduits for fluid movement:
 - (a) the results of a temperature or noise log; or
 - (b) where the nature of the casing used for Class III wells precludes use of these logs, cementing records and an appropriate monitoring program as the secretary may require which will demonstrate the presence of adequate cement to prevent such movement;
 - (3) other appropriate tests as the secretary may require.
- As noted, this language expressly allows the use of "other appropriate tests as the secretary may require". In addition, section 20.6.2.5204(C) provides that "[t]he secretary may consider the use by the discharger of equivalent alternative test methods to determine mechanical integrity" and that "[t]he secretary may approve the request if it will reliably demonstrate the mechanical integrity of wells for which its use is proposed".
- U.S. Environmental Protection Agency (USEPA) Guidance states:

The UIC regulations require continuous monitoring of the annulus for Class I wells, and 5146.8 (b) provides that annulus monitoring is an approved method for determining the absence of leaks in the tubular goods.

* * *

Another component of assuring mechanical integrity is the evaluation of the cement in the borehole above the injection zone. Adequate cementing of the borehole is imperative to assure that the injection fluid is confined to the disposal formation and that there is no movement of fluids between aquifers that can contaminate USDWs.¹

¹ USEPA, Class I Permit Conditions Guidance (UICPG#46) (February 28, 1986). See also USEPA Underground Injection Control (UIC) Program Class VI Well Testing and Monitoring Guidance at 12 (EPA 816-R-13-001, March 2013): "The Class VI Rule also requires that owners or operators continuously monitor certain parameters to demonstrate internal mechanical integrity [40 CFR 146.89(b)]. Specifically, owners or operators must continuously monitor injection pressure, injection rate, injected volume, pressure on the annulus between the tubing and long-string casing, and annulus fluid volume, except during well workovers as defined in 40 CFR 146.88(d)."

- As with the New Mexico UIC regulations, the USEPA regulations require mechanical integrity testing for all Class I wells but do not include any specific requirement for Bradenhead testing for any class of wells. Notably, the USEPA regulations do require that Class I hazardous waste injection wells and Class VI geologic sequestration wells be cemented to surface. *See* 40 CFR §§ 146.65(c)(2) and (3) and 146.86(b)(2) and (3).
- The OCD UIC Program Manual states for Class II wells:

5. Bradenhead Test

In addition to the pressure testing of all wells every five years, an annual bradenhead test of each injection well, **except for those cemented to the surface**, will be scheduled and witnessed by district compliance officers to assure the integrity of the casing/tubing and casing/casing annuli.

- a. Bradenhead tests are simply an examination of a well at such time as the surface, intermediate and production casing valves at the surface are opened to the atmosphere. Any recorded pressure and fluid flow from any casing string may constitute a well failure.
- b. Operators are generally required to shut-in all casing valves at the surface a minimum of 24 hours prior to testing.²

- It is noteworthy that the UIC Program Manual only makes reference to Bradenhead testing for Class II wells. The guidance for mechanical integrity testing on Class I wells makes no mention of Bradenhead testing.
- OCD's annual Bradenhead Test Schedules for Class II wells regularly include the following note:

If the bradenhead does not exist or other conditions prevent measuring the pressure, **make a note in the comment section** and provide complete details including wellbore schematic. If there is no bradenhead the Operator needs to investigate why there is not a bradenhead valve and install one if possible.³

- The New Mexico Class I regulations and UIC Program Manual do not include a specific requirement for Bradenhead testing. Although the current Navajo Refinery Class I well permits issued in 2017 include a requirement in Permit Condition 3.D that "[t]he Permittee shall conduct a Bradenhead test at least annually and each time that it conducts an MIT", Bradenhead testing has never been performed on WDW-1 or WDW-2 at the Navajo Refinery wells because the wells are cemented to the surface and no Bradenhead valves have ever been present on the two wells. Bradenhead tests are conducted on WDW-3 and WDW-4 as the Bradenhead valves are present.
- The Navajo Refinery Class I permits also include a requirement in Permit Condition 2.I that annual reports include a "Summary with interpretation of mechanical integrity tests, fall-off tests,

² New Mexico Oil Conservation Division, Underground Injection Control Program Manual at 31 (February 26, 2004) (emphasis added). It has been stated that the OCD UIC Manual (2004) is obsolete and is no longer valid for its intended purpose until it is updated or replaced. Yet, we are not aware of, nor have we found, any public notification that the UIC Manual has been withdrawn. It is acknowledged to retain value: "OCD realizes that it does still have some relevant information that is useful". Moreover, the draft permits issued for WDW-1, WDW-2, WDW-3, and WDW-4 in 2024 state: "The Permittee shall follow OCD's 2004 New Mexico Oil Conservation Division Underground Injection Control Program Manual guidance when conducting an MIT." *See* UIC Class I (Non-hazardous) Injection Well Discharge Permit WDW-1, WDW-2, WDW-3, and WDW4 Renewal Approval Conditions at 11 (August 2, 2024).

³ OCD 2025 Northwest Bradenhead Test Schedule at 3 (February 24, 2025).

Bradenhead tests, *etc.*, with conclusions and recommendations". Reports have been filed annually by the Navajo Refinery for each Class I injection well with a summary and interpretation of the mechanical integrity testing that have not included Bradenhead testing on WDW-1 or WDW-2 because the wells are cemented to surface and do not have Bradenhead valves. These reports have been accepted without objection by OCD.

- The Navajo Refinery Class I wells are tested for Part I MI annually (on a voluntary basis since only a 5-year frequency is required) and for Part II MI every 5 years as required by the Class I UIC program. In addition, positive pressure is constantly maintained on the casing/tubing annulus and this pressure is continuously monitored for any changes and for any fluid loss. As such, Part I (internal) mechanical integrity is being documented on a continuous basis in compliance with State and Federal Class I regulations to track any pressure drop or annulus fluid use if internal integrity was lost.

We submit that OCD has effectively approved the Navajo Refinery alternative mechanical integrity testing approach as consistent with section 20.6.2.5204(B) even if necessary to consider that approach approved as an "other appropriate test" under section 20.6.2.5204(B)(3). That effective acceptance and approval is consistent with OCD regulations, guidance, and established policy for accepting cement to surface as an alternative to Bradenhead testing.

- The appropriate well integrity test method for the Navajo Refinery Class I wells includes annual Part I annulus pressure tests combined with 5-year Part II temperature logs, which are sufficient to demonstrate mechanical integrity in NM. These are the test industry approved methods deemed sufficient in other states and all EPA Regions for Class I nonhazardous injection wells. In the unlikely event that there was significant flow behind pipe in the fully cemented surface casing-production casing annulus, that flow should be evidenced by a temperature log.
- Regarding annuli between other casing strings, they are cemented to surface, there are no Bradenhead valves, and there is no space to test in WDW-1 or WDW-2. Documentation regarding cement to surface is available via cement bond logs in the OCD files. Furthermore, at surface there is not a casing external to the long-string or other equipment present that could be pressurized. The "external" cemented casings are cut-off below surface. There are no Bradenhead valves and nowhere to currently install valves to create a system for Bradenhead testing.
- Attempting to install/construct Bradenhead infrastructure at WDW-1 and WDW-2 is inadvisable. The process of doing so would incur an undue, high risk of damaging existing casing strings due to requisite welding on the production pipe. In addition, there is a significant amount of cement surrounding the casing that would have to be demolished and removed, further increasing the risk to the wells. If the production pipe were damaged in the process, MI would be compromised necessitating significant additional workover operations. The HFS Navajo plant relies on these wells to continue operating and submits that the risk to the mechanical integrity of WDW-1 and WDW-2 wells from Bradenhead installation is unwarranted.
- We understand that OCD has preferred Bradenhead testing for Class II wells, as indicated in the annual Bradenhead test schedules. However, based on our review of OCD records for a few Class II wells in the area, it appears that several do not have Bradenheads to test as addressed in the Schedule Note. Further, there is no documentation indicating that these wells without a Bradenhead were ever modified (or directed to do so) to accommodate Bradenhead testing. According to discussion with site inspectors, this is acceptable where the casing strings in these wells are cemented to surface consistent with OCD policies. A preliminary search (not at all exhaustive) yielded these wells in the immediate area that appear to fit this category: API Nos. 30-015-00634, 30-015-00678 and 30-015-00683.

We request that the current mechanical integrity testing approach used consistently by HF Sinclair Navajo be confirmed by EMNRD as an appropriate test. We further request that the Bradenhead testing requirement be removed from the draft permits for WDW-1 and WDW-2 due to application of other approved tests. (We will provide proposed revisions if helpful.) This request is supported by the applicable USEPA and New Mexico Class I UIC operational precedents as applied to the HF Sinclair Navajo Refining wells and other wells, and the fact that the casing strings are cemented to surface based on company and OCD well records thus mitigating risk to the environment.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 526501

COMMENTS

Operator: HF Sinclair Navajo Refining LLC ATTN: GENERAL COUNSEL Dallas, TX 75201	OGRID: 15694
	Action Number: 526501
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

COMMENTS

Created By	Comment	Comment Date
cchavez	Quarterly report references "Bradenhead" (BH) work at WDW-1 and WDW-2 which was discussed during the meeting of 8/26/2025 (FY25 Q4) when OCD agreed to remove the work from the draft discharge permit. HF Sinclair presented a "BH Demonstration" document indicating since the wells are "fully cemented to surface", OCD regulations and guidance documents do not require installation. There were also concerns about well damage attempting to install BHs subsequent to the original well construction.	12/29/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 526501

CONDITIONS

Operator: HF Sinclair Navajo Refining LLC ATTN: GENERAL COUNSEL Dallas, TX 75201	OGRID: 15694
	Action Number: 526501
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
cchavez	None	12/29/2025