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Subject: Assessment Work Plan: Chevron: WTU #622 (API. 30-025-01743)- Approved
Attachments: WTU 622 Background Soil & Groundwater Assessment Work Plan NMSLO.pdf (5.53 MB)

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Chris

Documentation of proposed assessment actions with temporary monitoring wells for the subject site was received from your office on March 5, 2025. The NMSLO Environmental Compliance Office (ECO) has reviewed the plan, and based on the information provided in the document received from your office, ECO has approved the assessment workplan. Please submit the results with a remediation workplan to eco@nmslo.gov.

Lessee and/or their contractor are responsible for ensuring the project manager and field personnel performing the work follow the approved work plan.



Environmental Compliance Office
 Surface Resources Division
eco@nmslo.gov
nmstatelands.org



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Chevron Environmental Management Company

2025 Background Soil and Groundwater Assessment Report

WTU #622

NMOCD Case No. 1RP-2874

Incident No. nGRL1233232139

December 1, 2025

2025 Background Soil and Groundwater Assessment Report

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WTU #622

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Prepared By:

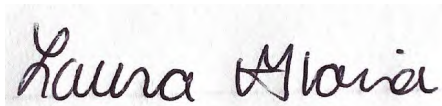
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2025 WTU 622 Subsequent Soil and Groundwater Assessment Report_DRAFT.docx

2025 Background Soil and Groundwater Assessment Report

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2025 Background Soil and Groundwater Assessment Report

1 Introduction

Arcadis U.S., Inc. (Arcadis) has prepared this Background Soil and Groundwater Assessment Report (Report) on behalf of Chevron Environmental Management Company (CEMC), summarizing subsequent soil and groundwater assessment activities conducted in 2025 at the WTU #622 (Site).

2 Project Summary

The Site is located approximately 32.4 miles southwest from Hobbs, in Bureau of Land Management legal description Unit F, Section 16, Township 20 South, Range 33 East, Lea County, New Mexico (**Figure 1**).

On November 16, 2012, a ruptured line released 15 barrels (bbls) of produced water at the Site. Upon discovery, a vacuum truck was dispatched and recovered approximately 5 bbls of standing fluid and the line was repaired. According to the New Mexico Oil Conservation Division (NMOCD) Initial C-141 Form submitted on November 26, 2012, the affected area measures approximately 115' by 10' and 190' by 30'. The Initial C-141 Form was approved with conditions and assigned remediation permit number 1RP-2874 and incident number nGRL1233232139. The initial investigation activities are presented in **Appendix A**.

3 2025 Background Soil Assessment Activities

On April 16-17, 2025, Arcadis personnel collected 84 soil samples from four soil boring locations (TMW-1 through TMW-4) in each cardinal direction of the Site as approved in the Background Soil and Groundwater Assessment Work Plan (see **Appendix B**) in order to determine natural background conditions (**Figure 2**) at locations verified away from any current or historical oil and gas associated pipelines, operational equipment, or ancillary equipment. The soil borings were advanced via air rotary to an approximate depth of 40 feet below ground surface (bgs). Soil samples were collected at the surface, and then at 2-foot intervals continuously throughout each borehole to an approximate depth of 40 ft bgs. The soil cuttings were spread onsite. All soil cuttings were continuously logged for lithologic characteristics according to the Unified Soil Classification System (USCS). The boring logs are provided in **Appendix C**.

The soil samples were collected in jars provided by Pace Analytical Laboratory (Pace) located in Mt. Juliet, Tennessee and shipped overnight to Pace via FedEx. Upon receipt by the laboratory, all soil samples were analyzed for Chloride by United State Environmental Protection Agency (USEPA) Method 300. Select soil samples were additionally analyzed for total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), oil range organics (ORO) by USEPA Methods 8015 and benzene, toluene, ethylbenzene, and xylenes (BTEX) by USEPA Method 8020.

4 2025 Background Soil Analytical Results

The soil analytical results were compared to the revised New Mexico Administrative Code (NMAC) closure screening levels for the specific analytical constituents specified in Table 1 – Closure Criteria for Soils Impacted by a Release within revised Rule 19.15.29. The specific analytical constituents for this Site include chloride, total TPH and BTEX for depth to groundwater less than 50 ft bgs. A summary of the soil analytical results is presented

2025 Background Soil and Groundwater Assessment Report

in **Table 1**. Copies of the certified analytical reports and chain-of-custody documentation from Pace are presented in **Appendix D**. The soil analytical map is presented in **Figure 3**.

4.1 Chloride

Chloride concentrations exceeded the NMAC standard of 600 mg/kg in 45 of the 84 soil samples collected with concentrations ranging from 616 milligrams per kilogram (mg/kg) at TMW-1 (18'-20' bgs) to 5,060 mg/kg at TMW-1 (30'-32' bgs).

4.2 Total TPH (GRO+DRO+ORO)

Total TPH concentrations did not exceed the NMAC standard of 100 mg/kg in any of the samples collected.

4.3 BTEX

Benzene concentrations did not exceed the NMAC standard of 10 mg/kg in any of the samples collected. Total BTEX concentrations did not exceed the NMAC standard of 50 mg/kg in any of the samples collected.

5 2025 Background Groundwater Assessment Activities

On April 16-17, 2025, all background soil borings were converted into temporary monitoring wells (TMW-1 through TMW-4) to evaluate background groundwater conditions at the Site. Depth to groundwater was determined to be 38.6 ft bgs. The temporary monitoring wells were constructed with two-inch diameter schedule 40 PVC casing and 10 ft slotted screen. The top of screen was installed three feet above the groundwater table and extended into the groundwater bearing unit. The wells were purged, developed, gauged, sampled, and plugged within 24 hours of installation. The temporary monitoring wells were plugged and abandoned using bentonite and native soil.

The groundwater samples were collected in bottles provided by Pace and shipped overnight to Pace via FedEx. Upon receipt by the laboratory, the groundwater samples were analyzed for BTEX by USEPA Method 8020; total TPH by USEPA Method 8015; total dissolved solids (TDS) by USEPA Method 2540; and chloride by USEPA Method 300.

6 2025 Background Groundwater analytical Results

The groundwater analytical results were compared to the applicable New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards. A summary of the cumulative groundwater sample analytical results is presented in **Table 2**. Copies of the certified analytical reports and chain-of-custody documentation from Pace are presented in **Appendix E**. The groundwater analytical map is presented in **Figure 4**.

2025 Background Soil and Groundwater Assessment Report

6.1 BTEX

BTEX concentrations did not exceed the NMWQCC standards of 0.005 milligrams per liter (mg/L), 0.75 mg/L, 0.75 mg/L, and 0.62 mg/L, respectively.

6.2 Total TPH (GRO+DRO+ORO)

Total TPH concentrations did not exceed the Method Detection Limit (MDL) in any of the samples collected. TPH does not have a NMWQCC standard.

6.3 Chloride

Chloride concentrations exceeded the NMWQCC standard of 250 mg/L in groundwater samples collected from each of the four background temporary monitoring well locations with concentrations ranging from 4,030 mg/L at TMW-3 to 9,010 mg/L at TMW-1.

6.4 TDS

TDS exceeded the NMWQCC standard of 1,000 mg/L in groundwater samples collected from each of the four background temporary monitoring well locations with concentrations ranging from 10,500 mg/L at TMW-3 to 19,600 mg/L at TMW-1.

7 Recommendation

Analytical results associated with recent background assessment activities conducted in 2025 indicate that the naturally occurring chloride concentrations exceed 600 mg/kg in soil and 250 mg/L in groundwater in all areas assessed adjacent to the release area. In accordance with 19.15.29 Table 1 Closure Criteria for Soils Impacted by a release, the prescribed Closure Criteria may be substituted for natural background concentrations if determined to be greater than the Closure Criteria.

Chloride concentrations reported from soil samples collected during this recent background soil assessment were averaged as submitted in the NMOCD approved Site Characterization and Remediation Work Plan for NMOCD Incident ID# nAPP2411724780 dated June 25, 2024. The average chloride concentration in soil samples collected is 537 mg/kg. Therefore, the Closure Criteria of 600 mg/kg stipulated in Table 1 will be utilized for soil remediation closure criteria at the Site.

Groundwater samples collected from the four background temporary monitoring wells demonstrate that regional groundwater chloride and TDS concentrations are well above applicable screening standards with concentrations averaging 6,323 mg/L for chloride and 14,675 mg/L for TDS. Therefore, naturally occurring concentrations are confirmed at non-abatable concentrations and should not be considered constituents of concern for this Site.

Tables

Table 1
Soil Analytical Summary
Chevron Environmental Management Company
WTU #622
Lea County, New Mexico



Sample I.D. No.	Sample Depth (feet bgs)	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards			10	--	--	--	50	100	600
TMW-1	0-0.5'	4/16/2025	--	--	--	--	--	--	<8.51
	0-2'	4/16/2025	--	--	--	--	--	--	28.9
	2'-4'	4/16/2025	<0.000136	<0.000170	<0.000125	<0.000522	<0.000522	9.07 J	1,880
	4-6'	4/16/2025	--	--	--	--	--	--	500
	6'-8'	4/16/2025	--	--	--	--	--	--	1,610
	8'-10'	4/16/2025	0.00712	0.00691	0.00637	0.0216	0.04200	0.0974 B J	241
	10'-12'	4/16/2025	--	--	--	--	--	--	2,230
	12'-14'	4/16/2025	<0.000139	<0.000173	<0.000127	<0.000531	<0.000531	0.5555 B J	2,130
	14'-16'	4/16/2025	--	--	--	--	--	--	1,830
	16'-18'	4/16/2025	--	--	--	--	--	--	1,490
	18'-20'	4/16/2025	0.00871	0.0551	0.0126	0.0676	0.14401	0.662	616
	20'-22'	4/16/2025	--	--	--	--	--	--	219
	22'-24'	4/16/2025	<0.000155	0.000436 B J	<0.000142	<0.000596	0.000436 B J	0.0584 B J	276
	24'-26'	4/16/2025	--	--	--	--	--	--	1,110
	26'-28'	4/16/2025	--	--	--	--	--	--	2,340
	28'-30'	4/16/2025	<0.000167	0.000220 B J	<0.000153	<0.000640	0.000220 B J	<2.24	3,200
	30'-32'	4/16/2025	--	--	--	--	--	--	5,060 V
32'-34'	4/16/2025	<0.000201	<0.000252	<0.000185	<0.000772	<0.000772	<2.70	4,520	
34'-36'	4/16/2025	--	--	--	--	--	--	2,630	
36'-38'	4/16/2025	--	--	--	--	--	--	2,410	
38'-40'	4/16/2025	0.00593	0.00589 J	0.00521	0.0185	0.03553	0.0910 B J	1,210	
TMW-2	0-0.5'	4/16/2025	--	--	--	--	--	--	<6.57
	0-2'	4/16/2025	--	--	--	--	--	--	184
	2'-4'	4/16/2025	<0.000146	<0.000183	<0.000134	<0.000561	<0.000561	0.466 J	861
	4'-6'	4/16/2025	--	--	--	--	--	--	1,060
	6'-8'	4/16/2025	--	--	--	--	--	--	621
	8'-10'	4/16/2025	<0.000155	<0.000194	<0.000142	<0.000596	<0.000596	<2.08	806
	10'-12'	4/16/2025	--	--	--	--	--	--	1,720
	12'-14'	4/16/2025	<0.000148	0.000241 B J	<0.000135	<0.000566	0.000241 B J	3.864 J	923
	14'-16'	4/16/2025	--	--	--	--	--	--	1,010
	16'-18'	4/16/2025	--	--	--	--	--	--	1,120
	18'-20'	4/16/2025	<0.000133	0.000364 B J	<0.000122	<0.000510	0.000364 B J	3.6268 B J	580
	20'-22'	4/16/2025	--	--	--	--	--	--	1,140
	22'-24'	4/16/2025	<0.000148	<0.000186	<0.000136	<0.000569	<0.000569	1.5200 B J	130
	24'-26'	4/16/2025	--	--	--	--	--	--	99.6
	26'-28'	4/16/2025	--	--	--	--	--	--	160
	28'-30'	4/16/2025	<0.000144	<0.000181	<0.000132	<0.000554	<0.000554	3.3929 B J	642 J6
	30'-32'	4/16/2025	--	--	--	--	--	--	109
32'-34'	4/16/2025	<0.000129	0.000524 J	<0.000119	<0.000496	0.000524 J	0.0475 B J	277	
34'-36'	4/16/2025	--	--	--	--	--	--	264	
36'-38'	4/16/2025	--	--	--	--	--	--	500	
38'-40'	4/16/2025	<0.000145	<0.000181	<0.000133	<0.000556	<0.000556	5.8055 B J	399	
TMW-3	0'-0.5'	4/16/2025	--	--	--	--	--	--	<6.75
	0'-2'	4/16/2025	--	--	--	--	--	--	114
	2'-4'	4/16/2025	<0.000126	<0.000157	<0.000115	<0.000483	<0.000483	4.7300 B J	441
	4'-6'	4/16/2025	--	--	--	--	--	--	455
	6'-8'	4/16/2025	--	--	--	--	--	--	236
	8'-10'	4/16/2025	<0.000138	<0.000172	<0.000126	<0.000528	<0.000528	0.3957 B J	1,550
	10'-12'	4/16/2025	--	--	--	--	--	--	987
	12'-14'	4/16/2025	<0.000140	<0.000175	<0.000128	<0.000535	<0.000535	5.2397 B J	1,760
	14'-16'	4/16/2025	--	--	--	--	--	--	583
	16'-18'	4/16/2025	--	--	--	--	--	--	1,130
	18'-20'	4/16/2025	<0.000155	<0.000194	<0.000143	<0.000596	<0.000596	0.0412 B J	789
	20'-22'	4/16/2025	--	--	--	--	--	--	787
	22'-24'	4/16/2025	<0.000156	<0.000195	<0.000143	<0.000597	<0.000597	1.4441 B J	455
	24'-26'	4/16/2025	--	--	--	--	--	--	592
	26'-28'	4/16/2025	--	--	--	--	--	--	309
	28'-30'	4/16/2025	0.000582	0.000787 J	<0.000119	<0.000499	0.001369 J	3.2686 B J	275
	30'-32'	4/16/2025	--	--	--	--	--	--	498
32'-34'	4/16/2025	<0.000149	<0.000186	<0.000137	<0.000572	<0.000572	0.0463 B J	331	
34'-36'	4/16/2025	--	--	--	--	--	--	405	
36'-38'	4/16/2025	--	--	--	--	--	--	250	
38'-40'	4/16/2025	<0.000151	<0.000188	<0.000138	<0.000578	<0.000578	0.0383 B J	327	

Table 1
Soil Analytical Summary
Chevron Environmental Management Company
WTU #622
Lea County, New Mexico



Sample I.D. No.	Sample Depth (feet bgs)	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards			10	--	--	--	50	100	600
TMW-4	0-0.5'	4/16/2025	--	--	--	--	--	--	<6.59
	0-2'	4/16/2025	--	--	--	--	--	--	66.9
	2'-4'	4/16/2025	<0.000156	<0.000195	<0.000143	<0.000598	<0.000598	3.2754 B J	573
	4'-6'	4/16/2025	--	--	--	--	--	--	815
	6'-8'	4/16/2025	--	--	--	--	--	--	903
	8'-10'	4/16/2025	<0.000129	<0.000161	<0.000118	<0.000494	<0.000494	0.5012 B J	1,080
	10'-12'	4/16/2025	--	--	--	--	--	--	1,780
	12'-14'	4/16/2025	<0.000147	<0.000184	<0.000135	<0.000563	<0.000563	0.5304 B J	2,380
	14'-16'	4/16/2025	--	--	--	--	--	--	1,550
	16'-18'	4/16/2025	--	--	--	--	--	--	691
	18'-20'	4/16/2025	<0.000144	<0.000181	<0.000132	<0.000554	<0.000554	3.4309 B J	667
	20'-22'	4/16/2025	--	--	--	--	--	--	205
	22'-24'	4/16/2025	<0.000136	<0.000169	<0.000124	<0.000520	<0.000520	1.0779 B J	659
	24'-26'	4/16/2025	--	--	--	--	--	--	812
	26'-28'	4/16/2025	--	--	--	--	--	--	257
	28'-30'	4/16/2025	<0.000145	<0.000181	<0.000133	<0.000555	<0.000555	4.2721 B J	1,000
	30'-32'	4/16/2025	--	--	--	--	--	--	1,690 V
	32'-34'	4/16/2025	<0.000174	<0.000217	<0.000159	<0.000665	<0.000665	0.0382 B J	1,550
34'-36'	4/16/2025	--	--	--	--	--	--	575	
36'-38'	4/16/2025	--	--	--	--	--	--	446	
38'-40'	4/16/2025	<0.000154	<0.000193	<0.000141	<0.000592	<0.000592	0.0350 B J	881	

Legend:

Bold and italicized analytes exceeds NMAC Standards

"--" indicates not analyzed

B: The same analyte is found in the associated blank

J: The identification of the analyte is acceptable; the reported value is an estimate

J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low

V: The sample concentration is too high to evaluate accurate spike recoveries

'<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)

bgs: below ground surface

mg/kg: Milligram per Kilogram

BTEX : Benzene, Toluene, Ethylbenzene, and Total Xylenes

NMAC : New Mexico Administration Code

TPH GRO: Total Petroleum Hydrocarbons Gasoline Range Organics

TPH ORO: Total Petroleum Hydrocarbons Motor Oil Range Organics

TPH DRO: Total Petroleum Hydrocarbon Diesel Range Organics

" " " : Indicates one foot

Notes:

1. Chloride analyzed by EPA Method 300
2. TPH analyzed by EPA Method 8015M
3. BTEX analyzed by EPA Method 8021
4. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)

Table 2
Groundwater Analytical Summary
Chevron Environmental Management Company
WTU #622
Lea County, New Mexico



Sample I.D. No.	Date	Organic Compounds				Total Petroleum Hydrocarbons			Groundwater Quality	
		Benzene	Ethylbenzene	Toluene	Xylenes	C6-C10	C10-C28	C28-C36	Chloride	Total Dissolved Solids
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC Human Health Standards for Groundwater¹										
Units		0.005	0.75	0.75	0.62	--	--	--	250	1,000
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TMW-1	04/17/25	<0.000190	<0.000160	<0.000412	<0.000510	<0.0314	<0.182	<0.232	9,010	19,600
TMW-2	04/17/25	<0.000190	<0.000160	<0.000412	<0.000510	<0.0314	<0.121	<0.154	6,360	14,900
TMW-3	04/17/25	<0.000190	<0.000160	<0.000412	<0.000510	<0.0314	<0.182	<0.232	4,030	10,500
TMW-4	04/17/25	<0.000190	<0.000160	<0.000412	<0.000510	<0.0314	<0.121	<0.154	5,890	13,700

Legend:

Bold and italicized values indicate concentrations above NMWQCC Other Standards.

¹ NMWQCC Human Health Standards Per NMAC 20.6.2.3103A.

'<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)

mg/L: Milligram per Litre

BTEX : Benzene, Toluene, Ethylbenzene, and Total Xylenes

NMAC : New Mexico Administration Code

TPH GRO: Total Petroleum Hydrocarbons Gasoline Range Organics

TPH ORO: Total Petroleum Hydrocarbons Oil Range Organics

TPH DRO: Total Petroleum Hydrocarbon Diesel Range Organics

USEPA = United States Environmental Protection Agency

Notes:

1. Chloride analyzed by USEPA Method 300.0

2. BTEX analyzed by USEPA Method 8021

3. Total Petroleum Hydrocarbons (TPH) - Gasoline Range Organics (GRO) [C6-C10] analyzed by (GC) Method 8015

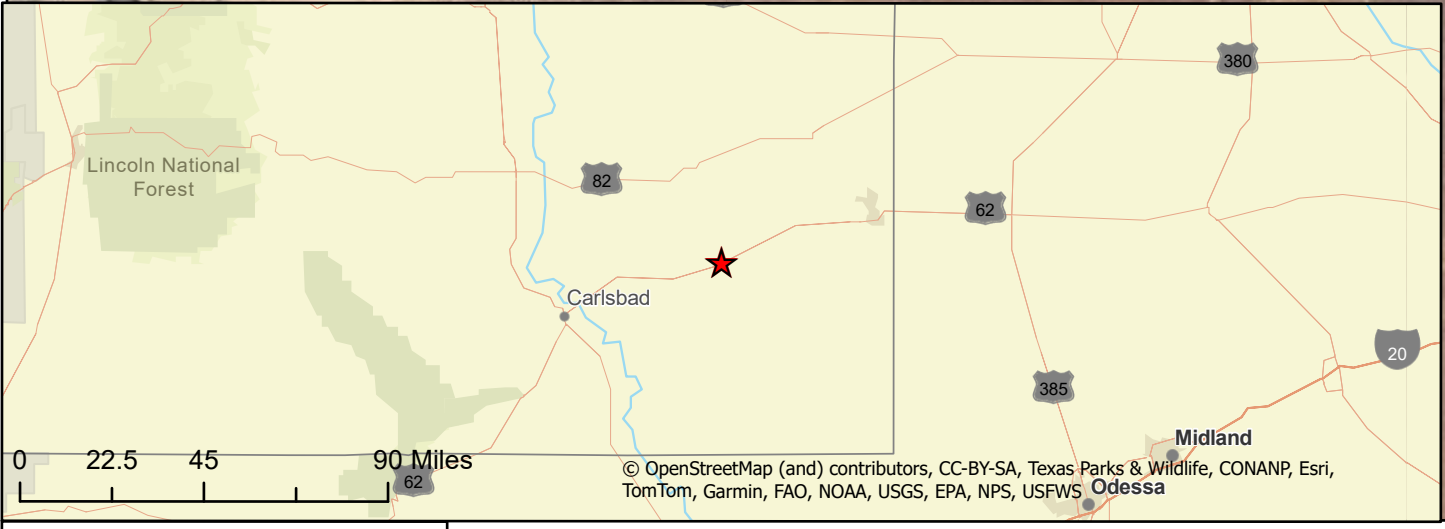
4. Total Petroleum Hydrocarbons (TPH) - Diesel Range Organics (DRO) [C10-C28] and Oil Range Organics (ORO) [C28-36] analyzed by (GC) Method 8015D

5. Total Dissolved Solids analyzed by Method 2540 C-2011

6. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)

Figures

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Chevron Environmental Management Company
 WTU #622
 Lea County, New Mexico

SITE LOCATION MAP

Notes:
 1. Datum: D_WGS_1984
 2. Site Location: 32.3005829,-104.0557327




FIGURE 1

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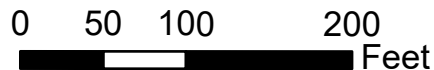


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Legend

 TMW (temporary monitoring well location)

Note:
1. Datum: GCS_WGS_1984
2. Site Location: 32.574947°, -103.670457°



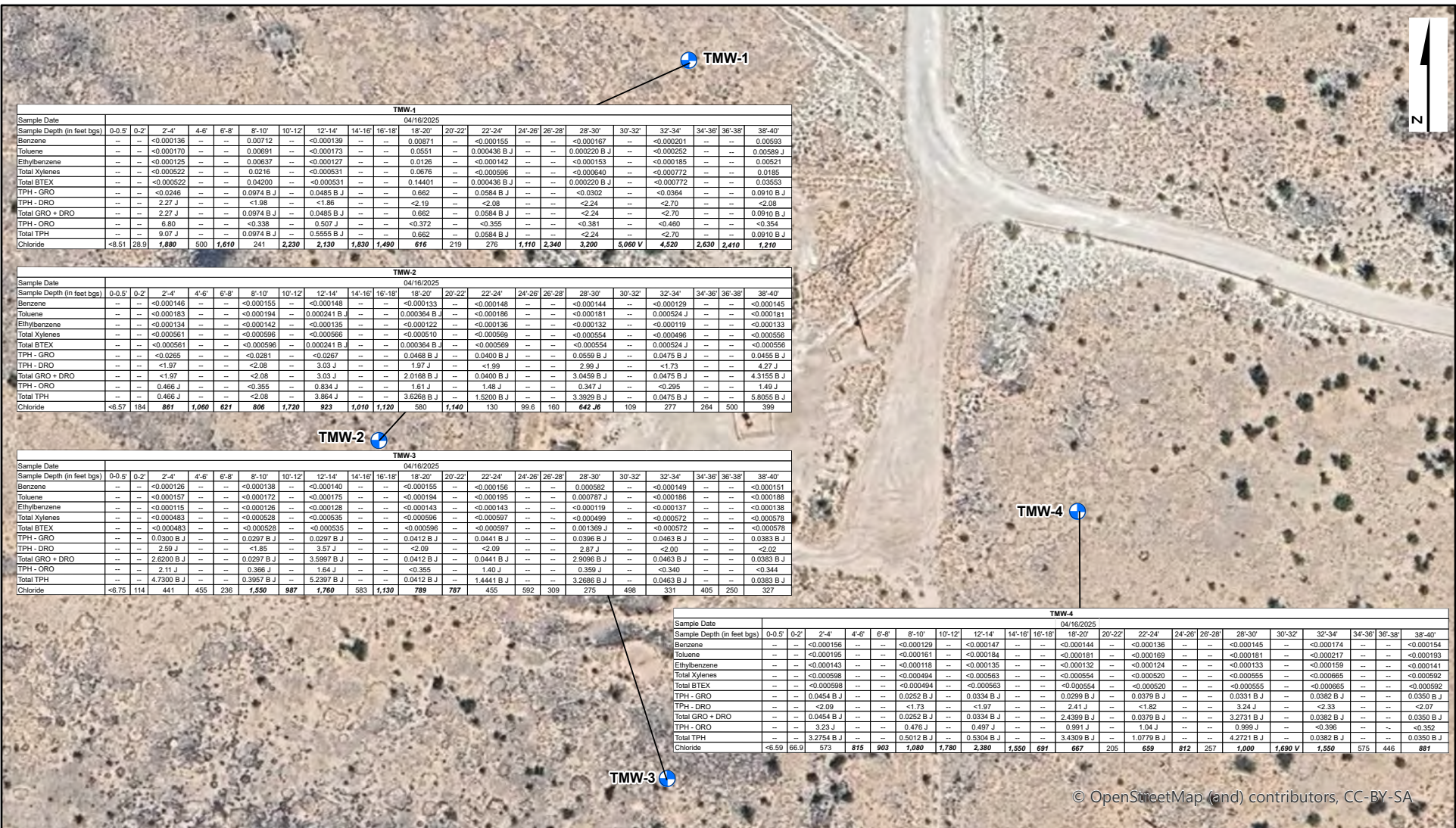
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
WTU #622
LEA COUNTY, NEW MEXICO

TMW SAMPLE LOCATION MAP



FIGURE
2

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TMW-1

Sample Date	04/16/2025																				
Sample Depth (in feet bgs)	0-0.5'	0-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'	24'-26'	26'-28'	28'-30'	30'-32'	32'-34'	34'-36'	36'-38'	38'-40'
Benzene	--	--	<0.000136	--	--	0.00712	--	<0.000139	--	--	0.00871	--	<0.000155	--	--	<0.000167	--	<0.000201	--	--	0.00593
Toluene	--	--	<0.000170	--	--	0.00691	--	<0.000173	--	--	0.0654	--	0.000436 B J	--	--	0.000220 B J	--	<0.000252	--	--	0.00389 J
Ethylbenzene	--	--	<0.000125	--	--	0.00537	--	<0.000127	--	--	0.0126	--	<0.000142	--	--	<0.000153	--	<0.000185	--	--	0.00521
Total Xylenes	--	--	<0.000522	--	--	0.0216	--	<0.000531	--	--	0.0676	--	<0.000596	--	--	<0.000640	--	<0.000772	--	--	0.0185
Total BTEX	--	--	<0.000522	--	--	0.04200	--	<0.000531	--	--	0.14401	--	0.000436 B J	--	--	0.000220 B J	--	<0.000772	--	--	0.03553
TPH - GRO	--	--	<0.0246	--	--	0.0974 B J	--	0.0485 B J	--	--	0.662	--	0.0584 B J	--	--	<0.0302	--	<0.0364	--	--	0.0910 B J
TPH - DRO	--	--	2.27 J	--	--	<1.98	--	<1.86	--	--	<2.19	--	<2.08	--	--	<2.24	--	<2.70	--	--	<2.08
Total GRO + DRO	--	--	2.27 J	--	--	0.0974 B J	--	0.0485 B J	--	--	0.662	--	0.0584 B J	--	--	<2.24	--	<2.70	--	--	0.0910 B J
TPH - ORO	--	--	6.80	--	--	<0.338	--	0.597 J	--	--	<0.372	--	<0.355	--	--	<0.381	--	<0.469	--	--	<0.354
Total TPH	--	--	9.07 J	--	--	0.0974 B J	--	0.5555 B J	--	--	0.662	--	0.0584 B J	--	--	<2.24	--	<2.70	--	--	0.0910 B J
Chloride	<8.51	28.9	1,880	500	1,610	241	2,230	2,130	1,830	1,490	616	219	276	1,110	2,340	3,200	5,060 V	4,520	2,630	2,410	1,210

TMW-2

Sample Date	04/16/2025																				
Sample Depth (in feet bgs)	0-0.5'	0-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'	24'-26'	26'-28'	28'-30'	30'-32'	32'-34'	34'-36'	36'-38'	38'-40'
Benzene	--	--	<0.000146	--	--	<0.000155	--	<0.000148	--	--	<0.000133	--	<0.000148	--	--	<0.000144	--	<0.000129	--	--	<0.000145
Toluene	--	--	<0.000183	--	--	<0.000194	--	0.000241 B J	--	--	0.000364 B J	--	<0.000186	--	--	<0.000181	--	0.000524 J	--	--	<0.000181
Ethylbenzene	--	--	<0.000134	--	--	<0.000142	--	<0.000135	--	--	<0.000122	--	<0.000136	--	--	<0.000132	--	<0.000119	--	--	<0.000133
Total Xylenes	--	--	<0.000561	--	--	<0.000596	--	<0.000566	--	--	<0.000510	--	<0.000554	--	--	<0.000544	--	<0.000496	--	--	<0.000556
Total BTEX	--	--	<0.000561	--	--	<0.000596	--	0.000241 B J	--	--	0.000364 B J	--	<0.000559	--	--	<0.000554	--	0.000524 J	--	--	<0.000556
TPH - GRO	--	--	<0.0285	--	--	<0.0281	--	<0.0287	--	--	0.0468 B J	--	0.0400 B J	--	--	0.0559 B J	--	0.0475 B J	--	--	0.0455 B J
TPH - DRO	--	--	<1.97	--	--	<2.08	--	3.03 J	--	--	1.97 J	--	<1.99	--	--	2.99 J	--	<1.73	--	--	4.27 J
Total GRO + DRO	--	--	<1.97	--	--	<2.08	--	3.03 J	--	--	2.0168 B J	--	0.0400 B J	--	--	3.0459 B J	--	0.0475 B J	--	--	4.3155 B J
TPH - ORO	--	--	0.466 J	--	--	<0.355	--	0.834 J	--	--	1.61 J	--	1.48 J	--	--	0.347 J	--	<0.295	--	--	1.49 J
Total TPH	--	--	0.466 J	--	--	<2.08	--	3.864 J	--	--	3.6286 B J	--	1.5200 B J	--	--	3.3929 B J	--	0.0475 B J	--	--	5.8055 B J
Chloride	<6.57	184	861	1,060	621	806	1,720	923	1,010	1,120	580	1,140	130	99.6	160	642 J6	109	277	264	500	399

TMW-3

Sample Date	04/16/2025																				
Sample Depth (in feet bgs)	0-0.5'	0-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'	24'-26'	26'-28'	28'-30'	30'-32'	32'-34'	34'-36'	36'-38'	38'-40'
Benzene	--	--	<0.000126	--	--	<0.000138	--	<0.000140	--	--	<0.000155	--	<0.000156	--	--	<0.000582	--	<0.000149	--	--	<0.000151
Toluene	--	--	<0.000157	--	--	<0.000172	--	<0.000175	--	--	<0.000194	--	<0.000195	--	--	0.000787 J	--	<0.000186	--	--	<0.000188
Ethylbenzene	--	--	<0.000115	--	--	<0.000126	--	<0.000128	--	--	<0.000143	--	<0.000143	--	--	<0.000119	--	<0.000137	--	--	<0.000138
Total Xylenes	--	--	<0.000483	--	--	<0.000528	--	<0.000535	--	--	<0.000596	--	<0.000597	--	--	<0.000499	--	<0.000572	--	--	<0.000578
Total BTEX	--	--	<0.000483	--	--	<0.000528	--	<0.000535	--	--	<0.000596	--	<0.000597	--	--	0.001389 J	--	<0.000572	--	--	<0.000578
TPH - GRO	--	--	0.0300 B J	--	--	0.0297 B J	--	0.0297 B J	--	--	0.0412 B J	--	0.0441 B J	--	--	0.0396 B J	--	0.0463 B J	--	--	0.0383 B J
TPH - DRO	--	--	2.59 J	--	--	<1.85	--	3.57 J	--	--	<2.09	--	<2.09	--	2.87 J	--	<2.00	--	--	--	<2.02
Total GRO + DRO	--	--	2.6200 B J	--	--	0.0297 B J	--	3.5997 B J	--	--	0.0412 B J	--	0.0441 B J	--	--	2.9096 B J	--	0.0463 B J	--	--	0.0383 B J
TPH - ORO	--	--	2.11 J	--	--	0.366 J	--	1.64 J	--	--	<0.355	--	1.40 J	--	--	0.359 J	--	<0.340	--	--	<0.344
Total TPH	--	--	4.7300 B J	--	--	0.3957 B J	--	5.2397 B J	--	--	0.0412 B J	--	1.4441 B J	--	--	3.2686 B J	--	0.0463 B J	--	--	0.0383 B J
Chloride	<6.75	114	441	455	236	1,550	987	1,760	583	1,130	789	787	455	592	309	275	498	331	405	250	327

TMW-4

Sample Date	04/16/2025																				
Sample Depth (in feet bgs)	0-0.5'	0-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'	24'-26'	26'-28'	28'-30'	30'-32'	32'-34'	34'-36'	36'-38'	38'-40'
Benzene	--	--	<0.000156	--	--	<0.000129	--	<0.000147	--	--	<0.000147	--	<0.000147	--	--	<0.000144	--	<0.000136	--	--	<0.000144
Toluene	--	--	<0.000195	--	--	<0.000161	--	<0.000184	--	--	<0.000184	--	<0.000184	--	--	<0.000181	--	<0.000169	--	--	<0.000181
Ethylbenzene	--	--	<0.000143	--	--	<0.000118	--	<0.000135	--	--	<0.000135	--	<0.000135	--	--	<0.000132	--	<0.000124	--	--	<0.000133
Total Xylenes	--	--	<0.000598	--	--	<0.000494	--	<0.000563	--	--	<0.000563	--	<0.000563	--	--	<0.000554	--	<0.000520	--	--	<0.000555
Total BTEX	--	--	<0.000598	--	--	<0.000494	--	<0.000563	--	--	<0.000563	--	<0.000563	--	--	<0.000554	--	<0.000520	--	--	<0.000555
TPH - GRO	--	--	0.0454 B J	--	--	0.0252 B J	--	0.0334 B J	--	--	0.0252 B J	--	0.0334 B J	--	--	0.0299 B J	--	0.0379 B J	--	--	0.0331 B J
TPH - DRO	--	--	<2.09	--	--	<1.73	--	<1.97	--	--	<1.82	--	<1.82	--	--	2.41 J	--	<1.82	--	--	3.24 J
Total GRO + DRO	--	--	0.0454 B J	--	--	0.0252 B J	--	0.0334 B J	--	--	0.0252 B J	--	0.0334 B J	--	--	2.4399 B J	--	0.0379 B J	--	--	3.2731 B J
TPH - ORO	--	--	3.23 J	--	--	0.476 J	--	0.497 J	--	--	0.476 J	--	0.497 J	--	--	0.991 J	--	1.04 J	--	--	<0.396
Total TPH	--	--	3.2754 B J	--	--	0.5012 B J	--	0.5304 B J	--	--	0.5304 B J	--	0.5304 B J	--	--	3.4309 B J	--	1.0779 B J	--	--	4.2721 B J
Chloride	<6.59	66.0	573	815	903	1,080	1,780	2,380	1,550	691	667	205	659	812	257	1,000	1,690 V	1,550	575	446	881

Legend

- TMW (temporary monitoring well location)

Note:

- Datum: GCS_WGS_1984
- Site Location: 32.574947°, -103.670457°

0 50 100 200 Feet

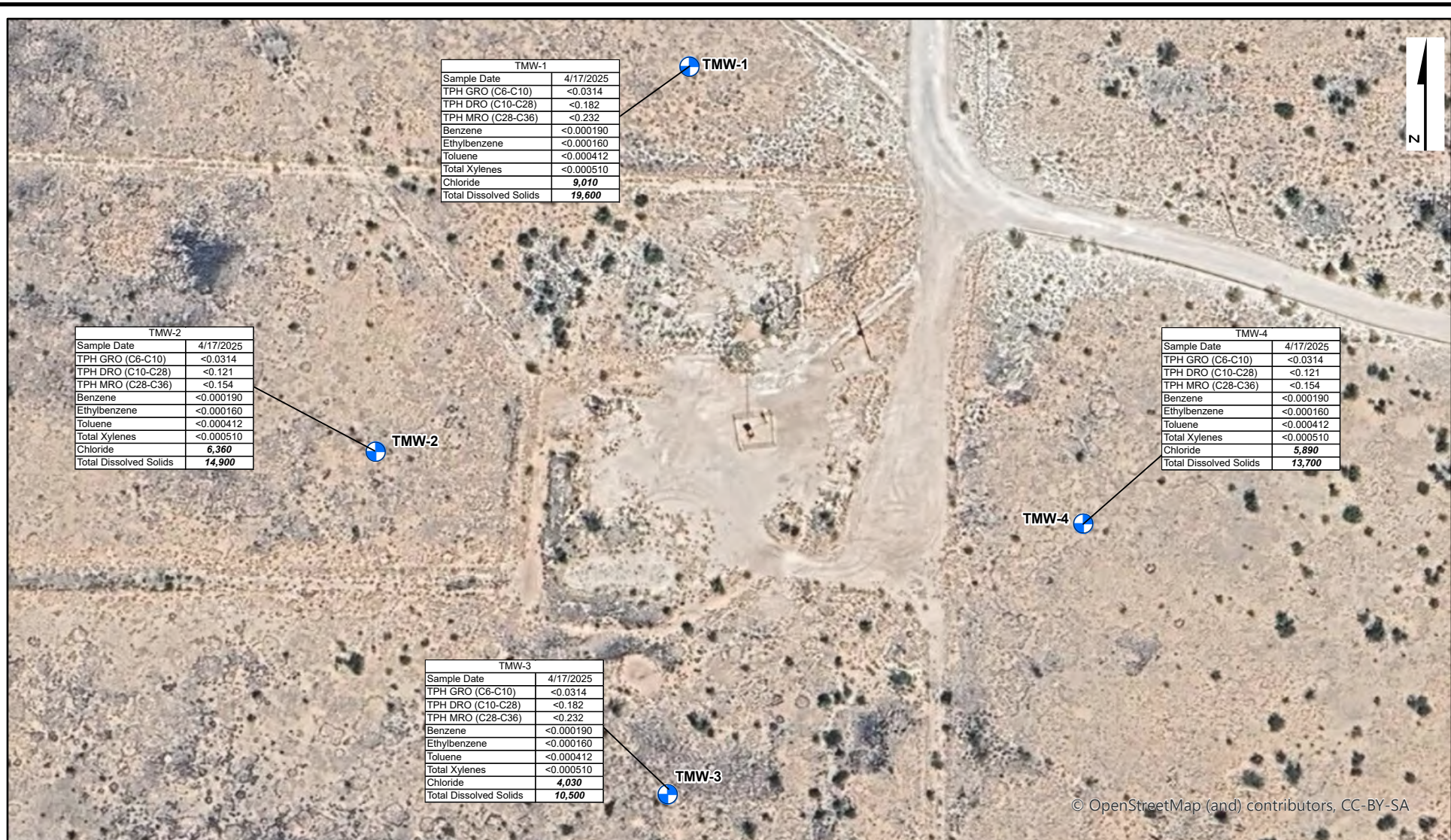
- Notes:
- 1.** Bold and italicized analytes exceeds NMAC Standards.
 - 2.** "--" indicates not analyzed
 - 3.** "<" indicates the analyte was not detected at or above the Method Detection Limit (MDL)
 - 4.** B: The same analyte is found in the associated blank.
 - 5.** J: The identification of the analyte is acceptable; the reported value is an estimate.
 - 6.** J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
 - 7.** V: The sample concentration is too high to evaluate accurate spike recoveries.
 - 8.** TPH GRO: Total Petroleum Hydrocarbons Gasoline Range Organics
 - 9.** TPH DRO: Total Petroleum Hydrocarbon Diesel Range Organics
 - 10.** TPH ORO: Total Petroleum Hydrocarbons Oil Range Organics
 - 11.** Chloride analyzed by EPA Method 300.
 - 12.** TPH analyzed by EPA Method 8015M.
 - 13.** Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2).
 - 14.** All results are reported in milligram per kilogram (mg/kg).
 - 15.** bgs = below ground surface
 - 16.** BTEX : Benzene, Toluene, Ethylbenzene, and Total Xylenes
 - 17.** " " " : Indicates one foot
 - 18.** NMAC : New Mexico Administration Code

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
WU #622
LEA COUNTY, NEW MEXICO

SOIL ANALYTICAL RESULTS MAP

ARCADIS | FIGURE 3

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Legend

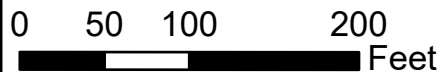
 Temporary Monitoring Well Locations

Note:

- Datum: GCS_WGS_1984
- Site Location: 32.574947°, -103.670457°

Notes:

- 1.** **Bold** and *italicized* values indicate concentrations above NMWQCC Other Standards for Domestic Water Supply.
- 2.** "<" indicates the analyte was not detected at or above the Method Detection Limit (MDL)
- 3.** TPH GRO Indicates Total Petroleum Hydrocarbons Gasoline Range Organics.
- 4.** TPH MRO Indicates Total Petroleum Hydrocarbons Motor Oil Range Organics
- 5.** TPH DRO Indicates Total Petroleum Hydrocarbon Diesel Range Organics.
- 6.** Chloride analyzed by EPA Method 300.0.
- 7.** TPH analyzed by EPA Method 8015.
- 8.** BTEX analyzed by EPA method 8021.
- 9.** BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes.
- 10.** Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2).
- 11.** All results are in milligram per liter (mg/L)
- 12.** NMWQCC = New Mexico Water Quality Control Commission



CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
WTU #622
LEA COUNTY, NEW MEXICO

GROUNDWATER ANALYTICAL MAP

 **ARCADIS** | **FIGURE 4**

Appendix A

Initial Investigation Activities

Appendix A. Initial Investigation Activities



On November 16, 2012, a ruptured line released 15 barrels (bbls) of produced water at the Site. Upon discovery, a vacuum truck was dispatched and recovered approximately 5 bbls of standing fluid and the line was repaired. According to the New Mexico Oil Conservation Division (NMOCD) Initial C-141 Form submitted on November 26, 2012, the affected areas measure approximately 115' by 10' and 190' by 30'. According to the New Mexico Office of the State Engineers (NMOSE) database, there is a water well approximately 1.77 miles northwest of the Site with a depth to groundwater of 325 feet below ground surface (bgs). The Initial C-141 Form was approved with conditions and assigned remediation permit number 1RP-2874.

2020 Soil Assessment Activities

On May 20-21, 2020, Arcadis personnel met with Chevron Operations personnel familiar with the historical release at the Site. Arcadis collected soil samples at twenty locations (HA-1 through HA-20) within the release area. The soil samples were collected with a hand auger at depths ranging from the surface (0"-6") to approximately 6 feet below ground surface (bgs). The sample locations were determined based on Chevron Operations personnel knowledge of the historical release associated with the remediation permit number 1RP-2874. The soil samples were collected in two- and four-ounce jars provided by Eurofins TestAmerica Laboratory and shipped overnight via FedEx. Upon receipt by laboratory, the soil samples were analyzed for chloride; total petroleum hydrocarbons as gasoline (TPH-GRO), TPH as diesel (TPH-DRO), and TPH as oil (TPH-ORO); and benzene, toluene, ethylbenzene and total xylenes (BTEX) by United States Environmental Protection Agency (USEPA) Methods 300, 8015 and 8021B, respectively.

Analytical results associated with the assessment activities conducted in 2020 indicated that the horizontal and vertical delineation of chloride, total GRO and DRO, and total TPH impact in soil have not been fully delineated.

2022 Soil Assessment Activities

On August 22-24, 2022, Arcadis personnel collected 120 soil samples from 24 locations (SB-1 through SB-24) within the release area. The soil samples were collected with a backhoe at depths ranging from surface (0-0.5' bgs) to 8 feet bgs. The soil cuttings were returned to the respective test trench locations. All soil cuttings were continuously logged for lithologic characteristics according to the Unified Soil Classification System (USCS). The sample locations were determined based on the analytical results from the 2020 soil assessment activities. The soil samples were collected in two and four-ounce jars provided by Pace Analytical Laboratory (Pace) located in Mt. Juliet, Tennessee and shipped overnight to Pace via FedEx. Upon receipt by the laboratory, the soil samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX); total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), oil range organics (ORO); and chloride by United State Environmental Protection Agency (USEPA) Methods 8021B, 8015 and 300, respectively.

Analytical results associated with the assessment activities conducted in 2022 indicated that the horizontal and vertical delineation of total GRO and DRO, and total TPH impact in soil have not been fully delineated.

Appendix B

Background Soil and Groundwater Assessment Work Plan



New Mexico State Land Office - ECO
1300 W. Broadway Avenue
Bloomfield, New Mexico 87413

Date: March 4, 2025
Background Soil & Groundwater Assessment Work Plan
Case No. 1RP-2874
Incident No. nGRL1233232139
Lea County, New Mexico

Arcadis U.S., Inc.
10205 Westheimer Road
Suite 800
Houston
Texas 77042
Phone: 713 953 4800
Fax: 713 977 4620
www.arcadis.com

TX Engineering License # F-533
TX Geoscientist License # 50158

Dear whom it concerns,

Arcadis U.S., Inc. (Arcadis) has prepared this Work Plan for Chevron Environmental Management Company (CEMC) on behalf of Chevron U.S.A. Inc., through its division Chevron North America Exploration and Production Company to perform environmental remediation services for the WTU 622 (Site), located in Lea County, New Mexico on State owned land. Environmental assessment at the Site is required by the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (SLO). A site location map is included as **Figure 1**.

Project Summary

The Site is located approximately 32.4 miles southwest from Hobbs, in Bureau of Land Management legal description Unit F, Section 16, Township 20 South, Range 33 East, Lea County, New Mexico.

On November 16, 2012, a ruptured line released 15 barrels (bbls) of produced water at the Site. Upon discovery, a vacuum truck was dispatched and recovered approximately 5 bbls of standing fluid and the line was repaired. According to the New Mexico Oil Conservation Division (NMOCD) Initial C-141 Form submitted on November 26, 2012, the affected area measures approximately 115' by 10' and 190' by 30'. The Initial C-141 Form was approved with conditions and assigned remediation permit number 1RP-2874 and incident number nGRL1233232139.

2023 Site Assessment Activities

On December 4-7, 2023, Arcadis personnel completed a subsequent soil assessment at the Site and collected 46 soil samples from 12 test trench locations (SB-25 through SB-36) within the release area (**Figure 2**) within the well pad area. The soil samples were collected with a backhoe at depths ranging from 0-0.5 feet (ft) below ground surface (bgs) to 8 ft bgs. The soil cuttings were returned to the respective test trench locations. All soil cuttings were continuously logged for lithologic characteristics according to the Unified Soil Classification System (USCS).

The soil samples were collected in two and four-ounce jars provided by Pace Analytical Laboratory (Pace) located in Mt. Juliet, Tennessee and shipped overnight to Pace via FedEx. Upon receipt by the laboratory, the soil samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range

NMSLO - ECO

March 4, 2025

organics (DRO), oil range organics (ORO); and chloride by United State Environmental Protection Agency (USEPA) Methods 8015 and 300, respectively. Benzene, toluene, ethylbenzene, and xylenes (BTEX) constituents were not detected in soil samples collected from previous assessment activities and were therefore not analyzed during the 2023 assessment. A cumulative summary of the soil analytical results for all soil assessments completed by Arcadis beginning in May of 2020 is presented in **Table 1**.

On December 4, 2023, a temporary monitoring well (TMW-1) was installed to determine depth to groundwater at the Site. Depth to groundwater was determined to be 34.2 ft bgs. The temporary monitoring well was constructed with two-inch diameter schedule 40 PVC casing and 10 ft slotted screen. The top of screen was installed 3 feet above the groundwater table and extended into the groundwater bearing unit. The well was purged, developed, gauged, sampled, and plugged within 24 hours of installation. The temporary monitoring well was plugged and abandoned using bentonite and native soil.

The groundwater sample was collected in bottles provided by Pace and shipped overnight to Pace via FedEx. Upon receipt by the laboratory, the groundwater samples were analyzed for BTEX; total TPH; total dissolved solids (TDS); and chloride by USEPA Methods 8020, 8015, 2540 and 300, respectively. A summary of the groundwater analytical results is presented in **Table 2**.

Analytical results associated with recent assessment activities conducted in 2023 indicate that the horizontal and vertical extent of chloride impact in the soil and groundwater have not been fully delineated at the site.

NMAC Regulatory Criteria

The NMOCD classifies the Site to use the most stringent regulatory limits due to depth to groundwater being confirmed less than 50 ft bgs, and no additional conditions or stipulations are applicable to the Site. Per Table I of the New Mexico Administrative Code (NMAC) part 19.15.29.12, the following closure criteria apply to the Site:

Constituent	Limit (mg/kg)
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Cultural and Biological Compliance

The proposed assessment activities (temporary monitoring well installation) will be conducted in areas of undisturbed surface that require a documented compliance with the Cultural Properties Protection Rule.

On December 10, 2024, a cultural survey was conducted by licensed archaeologist of the Site and proposed monitoring well locations and the paths that will be utilized to access these locations. The NMSLO Cultural Resources Cover Sheet and NMSLO approval is included as **Attachment 1**. Following approval of the cultural survey, monitoring well permits were submitted to the New Mexico Office of the State Engineer (NMOSE) and approved on February 20, 2025. The approved monitoring well permits are included as **Attachment 2**.

NMSLO - ECO

March 4, 2025

The Site is located within 70 feet of the Lesser-prairie chicken habitat. All proposed activities will adhere to the conservation agreements and the restrictive disturbance season "timing zone".

Proposed Work Plan

According to the U.S. Fish & Wildlife Service's National Wetland Inventory database, there are two salt lakes located within a 3-mile radius of the Site. CEMC proposes conducting background soil and groundwater assessment activities to determine regional soil and groundwater conditions in proximity to the Site.

Four background soil borings will be installed via air rotary to approximately 40 ft bgs and converted to temporary monitoring wells. The soil borings will be advanced within similar soil types determined by the National Resources Conservation Services (NRCS) survey represented within the impacted area at the Site to determine naturally occurring background chloride and TDS concentrations in soil and groundwater. Soil samples will be collected at the surface, and then at 2-foot intervals to an approximate depth of 40 ft bgs. The soil cuttings will be continuously logged for lithologic characteristics according to the Unified Soil Classification System (USCS) and spread on-site. Boring locations will be determined based on the soil type, no visual or database reviewed indications of previous or current environmental impacts or oil and gas operations, within 50 to 100 feet of the release area, and within similar elevations relative to the Site. The proposed soil boring locations are included on **Figure 3**. All soil samples will be analyzed for chloride by USEPA Method 300 and select soil samples (5-foot intervals) will be analyzed for BTEX and TPH by USEPA Method 8020 and 8015, respectively.

The temporary monitoring wells will be sampled approximately 24 hours following installation. The temporary monitoring wells will be gauged to determine depth to water and depth to light non-aqueous phase liquid (LNAPL) if present. The temporary monitoring wells will be purged using low-flow methodologies, and groundwater samples will be collected for the following laboratory analysis:

- Chloride by USEPA Method 300.0,
- BTEX by USEPA Method 8020.
- TPH by USEPA Method 8015, and
- Total dissolved solids by Method 2540C

Reporting

A report summarizing the background soil and groundwater sampling activities completed at the Site will be submitted to the NMOCD and NMSLO. The report will summarize the results of the sampling activities and will include a sample location map, tabulation of the soil and groundwater analytical results, and photographic documentation.

Work Plan Approval Request

Arcadis is prepared to initiate the scope of work within 90 days of receiving written approval from the NMOCD and NMSLO. If you have any questions or comments with regards to this work plan, please do not hesitate to contact Sarah Johnson at (931) 436-0316 or sarah.johnson@arcadis.com or Chris Brand with CEMC at (661) 401-0359 or chrisbrand@chevron.com. Your timely response to this correspondence is appreciated.

NMSLO - ECO
March 4, 2025

Sincerely,
Arcadis U.S., Inc.



Sarah Johnson
Certified Project Manager

Email: sarah.johnson@arcadis.com
Direct Line: 931.436.0316

CC. Chris Brand - CEMC

Enclosures:

- Table 1. Summary of Cumulative Soil Analytical Data
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- Attachment 1. NMSLO Cultural Resources Cover Sheet & Approval
- Attachment 2. NMOSE Monitoring Well Permits Approval

This proposal and its contents shall not be duplicated, used or disclosed — in whole or in part — for any purpose other than to evaluate the proposal. This proposal is not intended to be binding or form the terms of a contract. The scope and price of this proposal will be superseded by the contract. If this proposal is accepted and a contract is awarded to Arcadis as a result of — or in connection with — the submission of this proposal, Arcadis and/or the client shall have the right to make appropriate revisions of its terms, including scope and price, for purposes of the contract. Further, client shall have the right to duplicate, use or disclose the data contained in this proposal only to the extent provided in the resulting contract.



Table 1
Summary of Cumulative Soil Analytical Data
 Chevron Environmental Management Company
 WTU #622
 Lea County, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			10	--	--	--	50	100	600
NMAC Standards									
HA-1	0 - 6"	5/20/2020	0.00355 J	<0.00142	<0.00105	<0.00116	0.00718 J	389	32.7 F1
	1'6"	5/20/2020	0.00129 J	<0.00152	<0.00112	<0.00125	0.00518 J	128 J	71
HA-2	0 - 6"	5/20/2020	0.000724 J	<0.00143	<0.00106	<0.00117	0.004384 J	204	179
	2'	5/20/2020	<0.000701	<0.00154	<0.00114	<0.00126	<0.004641	116	2,110
	4'	5/20/2020	<0.000689	<0.00151	<0.00112	<0.00124	<0.004559	174	4,750
HA-3	0 - 6"	5/20/2020	<0.000642	<0.00141	<0.00104	<0.00115	<0.004242	<11	684
	2'	5/20/2020	<0.000687	<0.00150	<0.00111	<0.00123	<0.004527	<12	2,120
HA-4	0 - 6"	5/20/2020	<0.000682	<0.00149	<0.00110	<0.00122	<0.004492	<12	11
	1'	5/20/2020	<0.000938	<0.00205	<0.00152	<0.00168	<0.006188	65 J F2 F1	237
HA-5	0 - 6"	5/20/2020	<0.000782	<0.00171	<0.00127	<0.00140	<0.005162	<13	9
	1'	5/20/2020	<0.000776	<0.00170	<0.00126	<0.00139	<0.005126	23 J	30.1 F1
HA-6	0 - 6"	5/20/2020	<0.000651	<0.00143	<0.00105	<0.00117	<0.004301	15 J	76
	1'	5/20/2020	<0.000665	<0.00146	<0.00108	<0.00119	<0.004395	<11	86
HA-7	0 - 6"	5/20/2020	0.018	0.00184 J	<0.00105	<0.00116	0.02205 J	263	114
	2'	5/20/2020	0.00206 J	<0.00150	<0.00111	<0.00123	0.0059 J	122 J	2,590
	4'	5/20/2020	<0.000648	<0.00142	<0.00105	<0.00116	<0.004278	59	2,940
	6'	5/20/2020	<0.000894	<0.00196	<0.00145	<0.00160	<0.005904	<15	2,280
HA-8	0 - 6"	5/21/2020	0.00112 J	<0.00187	<0.00138	<0.00153	0.0059 J	234 H	10
	2'	5/21/2020	0.00160 J	<0.00180	<0.00133	<0.00148	0.00621 J	122	41
HA-9	0 - 6"	5/20/2020	<0.000645	<0.00141	<0.00104	<0.00116	<0.004255	99	3,530
	2'	5/20/2020	0.00193 J	<0.00189	<0.00140	<0.00155	0.00677 J	61	2,310
	4'	5/20/2020	0.00144 J	<0.00182	<0.00134	<0.00149	0.00609 J	106	1,860
HA-10	0 - 6"	5/20/2020	0.000745 J	<0.00139	<0.00103	<0.00114	0.004305 J	99	7,390
HA-11	0 - 6"	5/20/2020	0.00103 J	<0.00145	<0.00107	<0.00118	0.00473 J	516	6,300
	2'	5/20/2020	0.00146 J	<0.00173	<0.00128	<0.00141	0.00588 J	207 J	7,870
	4'	5/20/2020	0.00101 J	<0.00195	<0.00144	<0.00160	0.006 J	164 H	3,920
HA-12	0 - 6"	5/20/2020	0.00127 J	<0.00146	<0.00108	<0.00119	0.005 J	449	14,800
	2'	5/20/2020	0.00218 J	<0.00188	<0.00139	<0.00154	0.00699 J	192	4,920
	4'	5/20/2020	<0.000768	<0.00168	<0.00124	<0.00138	<0.005068	<13	3,030
HA-13	0 - 6"	5/20/2020	0.00719	<0.00134	<0.000991	<0.00110	0.010621	123 J	718
	2'	5/20/2020	0.000921 J	<0.00159	<0.00117	<0.00130	0.004981 J	117 J	2,610
	4'	5/20/2020	<0.000773	<0.00169	<0.00125	<0.00139	<0.005103	<13	2,890 F1
HA-14	0 - 6"	5/21/2020	0.00298 J	<0.00144	<0.00106	<0.00118	0.00666 J	22,949	78
HA-15	0 - 6"	5/21/2020	0.00411 J	<0.00144	<0.00106	<0.00118	0.00779 J	151 J	101
	2'	5/21/2020	0.00106 J	<0.00210	<0.00155	<0.00172	0.00643 J	158 J	3,490
	4'	5/21/2020	0.000950 J	<0.00184	<0.00136	<0.00151	0.00566 J	24 H	4,570
HA-16	0 - 6"	5/21/2020	0.00186 J	<0.00148	<0.00110	<0.00121	0.00565 J	109	15
	2'	5/21/2020	0.000847 J	<0.00148	<0.00109	<0.00121	0.004627 J	100	48
HA-17	0 - 6"	5/21/2020	0.00201 J	<0.00145	<0.00107	<0.00118	0.00571 J	120 J	6,870
	2'	5/21/2020	<0.000646	<0.00142	<0.00105	<0.00116	<0.004276	70	5,660 F1 F2
	4'	5/21/2020	<0.000694	<0.00152	<0.00112	<0.00125	<0.004584	<68	4,310
HA-18	0 - 6"	5/21/2020	<0.000713	<0.00156	<0.00115	<0.00128	<0.004703	80	2,850
	2'	5/21/2020	<0.000707	<0.00155	<0.00114	<0.00127	<0.004667	68	4,360
HA-19	0 - 6"	5/21/2020	0.00343 J	<0.00147	<0.00109	<0.00121	0.0072 J	231	3,930
	2'	5/21/2020	<0.000756	<0.00166	<0.00122	<0.00136	<0.004996	112 J	7,080
	4'	5/21/2020	<0.000759	<0.00166	<0.00123	<0.00136	<0.005009	<9	10,700
HA-20	0 - 6"	5/20/2020	<0.000738	<0.00162	<0.00119	<0.00132	<0.004868	4,660	219
SB-1	0	8/22/2022	<0.000554	<0.00554	<0.000554	<0.00166	<0.000554	73.4	16.6 J
	2	8/22/2022	<0.000661	<0.00661	<0.000661	<0.00198	<0.000661	8.78 J	237
	4	8/22/2022	<0.000565	<0.00565	<0.000565	<0.00169	<0.000565	0.569 J	102
	6	8/22/2022	<0.000698	<0.00698	<0.000698 J3	<0.00210 J3	<0.000698 J3	<0.140 J3	104
SB-2	0	8/22/2022	<0.000616	<0.00616	<0.000616	<0.00185	<0.000616	0.705 J	44.5
	2	8/22/2022	<0.000669	<0.00669	<0.000669	<0.00201	<0.000669	0.765 J	491
	4	8/22/2022	<0.000648	<0.00648	<0.000648	<0.00195	<0.000648	<0.130	68.2
	6	8/22/2022	<0.000655	<0.00655	<0.000655	<0.00196	<0.000655	0.959 J	253
SB-2	6	8/22/2022	<0.000693	<0.00693	<0.000693	<0.00208	<0.000693	<0.139	210
	8	8/22/2022	<0.000693	<0.00693	<0.000693	<0.00208	<0.000693	<0.139	210

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Sample I.D. No.	Sample Depth (feet bgs)	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			10	--	--	--	50	100	600
NMAC Standards									
SB-3	0	8/22/2022	<0.000560	<0.00560	<0.000560	<0.00168	<0.000560	1,047	272
	2	8/22/2022	0.0013	0.00260 J	<0.000581	<0.00174	0.0039 J	8.1 J	1,640
	4	8/22/2022	<0.000587	<0.00587	<0.000587	<0.00176	<0.000587	130.8	1,700
	6	8/22/2022	<0.000624	<0.00624	<0.000624	<0.00187	<0.000624	<0.125	364
	8	8/22/2022	<0.000525	<0.00525	<0.000525	<0.00157	<0.000525	2.77 J	558
SB-4	0	8/22/2022	<0.000558	<0.00558	<0.000558	<0.00167	<0.000558	8.34 J	<22.3
	2	8/22/2022	<0.000536	<0.00536	<0.000536	<0.00161	<0.000536	4.36	274
	4	8/22/2022	<0.000657	<0.00657	<0.000657	<0.00197	<0.000657	0.791 J	202
	6	8/22/2022	<0.000581	<0.00581	<0.000581	<0.00174	<0.000581	0.319 J	156
	8	8/22/2022	<0.000648	<0.00648	<0.000648	<0.00194	<0.000648	<0.130	90.7
SB-5	0	8/22/2022	<0.000626	<0.00626	<0.000626	<0.00188	<0.000626	30.61	<25.0
	2	8/22/2022	<0.000681	<0.00681	<0.000681	<0.00204	<0.000681	0.392 J	176
	4	8/22/2022	<0.000558	<0.00558	<0.000558	<0.00168	<0.000558	1.35 J	1,290
	6	8/22/2022	<0.000567	<0.00567	<0.000567	<0.00170	<0.000567	0.875 J	1,630
	8	8/22/2022	<0.000560	<0.00560	<0.000560	<0.00168	<0.000560	4.318 J	1,110
SB-6	0	8/22/2022	<0.000584	<0.00584	<0.000584	<0.00175	<0.000584	51.3	23.3 J
	2	8/22/2022	<0.000528	<0.00528	<0.000528	<0.00159	<0.000528	167.2	528 J3
	4	8/22/2022	<0.000586	<0.00586	<0.000586	<0.00176	<0.000586	1.47 J	3,170
	6	8/22/2022	<0.000543	<0.00543	<0.000543	<0.00163	<0.000543	0.938 J	2,030
	8	8/22/2022	<0.000545	<0.00545	<0.000545	<0.00164	<0.000545	1.20 J	1,820
SB-7	0	8/22/2022	<0.000543	<0.00543	<0.000543	<0.00163	<0.000543	3.21 J	1,700
	2	8/22/2022	<0.000569	<0.00569	<0.000569	<0.00171	<0.000569	24.06	5,470
	4	8/22/2022	<0.000605	<0.00605	<0.000605	<0.00182	<0.000605	2.07 J	829
	6	8/22/2022	<0.000539	<0.00539	<0.000539	<0.00162	<0.000539	1.96 J	511
	8	8/22/2022	<0.000563	<0.00563	<0.000563	<0.00169	<0.000563	3.72 J	411
SB-8	0	8/23/2022	<0.000532	<0.00532	<0.000532	<0.00160	<0.000532	216.1	107
	2	8/23/2022	<0.000563	<0.00563	<0.000563	<0.00169	<0.000563	7.77	2,450
	4	8/23/2022	<0.000547	<0.00547	<0.000547	<0.00164	<0.000547	0.886 J	2,310
	6	8/23/2022	<0.000523	<0.00523	<0.000523	<0.00157	<0.000523	1.04 J	1,050
	8	8/23/2022	<0.000548	<0.00548	<0.000548	<0.00164	<0.000548	2.729 J	1,700
SB-9	0	8/23/2022	<0.000651	<0.00651	<0.000651	<0.00195	<0.000651	4.44 J	202 J3
	2	8/23/2022	<0.000615	<0.00615	<0.000615	<0.00184	<0.000615	2.47 J	4,720
	4	8/23/2022	<0.000617	<0.00617	<0.000617	<0.00185	<0.000617	<0.123	3,420
	6	8/23/2022	<0.000679	<0.00679	<0.000679	<0.00204	<0.000679	<0.136	1,060
	8	8/23/2022	<0.000658	<0.00658	<0.000658	<0.00197	<0.000658	<0.132	1,220
SB-10	0	8/23/2022	<0.000645	<0.00645	<0.000645	<0.00194	<0.000645	0.501 J	4,460*
	2	8/23/2022	<0.000620	<0.00620	<0.000620	<0.00186	<0.000620	14.79 J	1,850*
	4	8/23/2022	<0.000760	<0.00760	<0.000760	<0.00228	<0.000760	309.6 J3 J6	6,790*
	6	8/23/2022	<0.000660	<0.00660	<0.000660	<0.00198	<0.000660	152.1	1,280
	8	8/23/2022	<0.000659	<0.00659	<0.000659	<0.00198	<0.000659	63.1	1,080
SB-11	0	8/23/2022	<0.000569	<0.00569	<0.000569	<0.00171	<0.000569	63	28.5
	2	8/23/2022	<0.000569	<0.00569	<0.000569	<0.00171	<0.000569	5,020	804
	4	8/23/2022	<0.000549	<0.00549	<0.000549	<0.00165	<0.000549	3,750	744
	6	8/23/2022	<0.000659	<0.00659	<0.000659	<0.00198	<0.000659	86.9	300
	8	8/23/2022	<0.000658	<0.00658	<0.000658	<0.00197	<0.000658	8.14 J	105
SB-12	0	8/23/2022	<0.000583	<0.00583	<0.000583	<0.00175	<0.000583	95.2	50.2
	2	8/23/2022	<0.000567	<0.00567	<0.000567	<0.00170	<0.000567	6.66 J	687
	4	8/23/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	2.18 J	2,420
	6	8/23/2022	<0.000539	<0.00539	<0.000539	<0.00162	<0.000539	1.30 J	1,460
	8	8/23/2022	<0.000548	<0.00548	<0.000548	<0.00164	<0.000548	0.588 B J	1,450
SB-13	0	8/23/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	19.91 B	12,900
	2	8/23/2022	<0.000604	<0.00604	<0.000604	<0.00181	<0.000604	3.10 B J	6,550
	4	8/23/2022	<0.000591	<0.00591	<0.000591	<0.00177	<0.000591	0.972 B J	2,020
	6	8/23/2022	<0.000641	<0.00641	<0.000641	<0.00192	<0.000641	<0.128	661
	8	8/23/2022	<0.000568	<0.00568	<0.000568	<0.0017	<0.000568	0.354 B J	2,730
SB-14	0	8/23/2022	0.00141	<0.00545	<0.000545	<0.00164	0.00141	13.41 J B	<21.8
	2	8/23/2022	<0.000729	<0.00729	<0.000729	<0.00219	<0.000729	1.29 B J	190
	4	8/23/2022	<0.000589	<0.00589	<0.000589	<0.00177	<0.000589	4.17 B J	5,770*
	6	8/23/2022	<0.000532	<0.00532	<0.000532	<0.00159	<0.000532	0.983 B J	2,180
	8	8/23/2022	<0.000565	<0.00565	<0.000565	<0.00169	<0.000565	0.490 B J	1,630
SB-15	0	8/23/2022	0.00109	<0.00552	<0.000552	<0.00165	0.00109	160.7	24
	2	8/23/2022	<0.000547	<0.00547	<0.000547	<0.00164	<0.000547	7.69 B J	2,080
	4	8/23/2022	<0.000533	<0.00533	<0.000533	<0.00160	<0.000533	1.00 B J	2,720
	6	8/23/2022	<0.000526	<0.00526	<0.000526	<0.00158	<0.000526	<0.105	1,750
	8	8/23/2022	<0.000547	<0.00547	<0.000547	<0.00164	<0.000547	0.558 B J	2,530



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Sample I.D. No.	Sample Depth (feet bgs)	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			10	--	--	--	50	100	600
NMAC Standards									
SB-16	0	8/23/2022	<0.000544	<0.00544	<0.000544	<0.00163	<0.000544	4.75 B J	1,400
	2	8/23/2022	<0.000547	<0.00547	<0.000547	<0.00164	<0.000547	142.8*	12.1 J
	4	8/23/2022	<0.000551	<0.00551	<0.000551	<0.00165	<0.000551	<0.110	3,480
	6	8/23/2022	<0.000527	<0.00527	<0.000527	<0.00158	<0.000527	0.294 B J	1,730
	8	8/23/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	0.374 J	2,790
SB-17	0	8/23/2022	0.00133	<0.00553	<0.000553	<0.00166	0.00133	116.4*	5,470
	2	8/23/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	2.48 J	2,280
	4	8/23/2022	<0.000560	<0.00560	<0.000560	<0.00168	<0.000560	1.21 J	2,540
	6	8/23/2022	<0.000587	<0.00587	<0.000587	<0.00176	<0.000587	1.74 J	1,810
	8	8/23/2022	<0.000571	<0.00571	<0.000571	<0.00171	<0.000571	0.652 J	3,020
SB-18	0	8/24/2022	<0.000558	<0.00558	<0.000558	<0.00167	<0.000558	45.24	11,600
	2	8/24/2022	<0.000602	<0.00602	<0.000602	<0.00181	<0.000602	1.36 J	4,680
	4	8/24/2022	<0.000688	<0.00688	<0.000688	<0.00206	<0.000688	2.832 J	3,010
	6	8/24/2022	<0.000550	<0.00550	<0.000550	<0.00165	<0.000550	2.19 J	5,380
	8	8/24/2022	<0.000632	<0.00632	<0.000632	<0.00189	<0.000632	3.326 J	4,060
SB-19	0	8/24/2022	<0.000544	<0.00544	<0.000544	<0.00163	<0.000544	5.77 J	3,310
	2	8/24/2022	<0.000593	<0.00593	<0.000593	<0.00178	<0.000593	9.7 J	1,730
	4	8/24/2022	<0.000634	<0.00634	<0.000634	<0.00190	<0.000634	0.364 J	464
	6	8/24/2022	<0.000631	<0.00631	<0.000631	<0.00190	<0.000631	0.404 J	544
	8	8/24/2022	<0.000581	<0.00581	<0.000581	<0.00174	<0.000581	3.537 J	1,450
SB-20	0	8/24/2022	<0.000557	<0.00557	<0.000557	<0.00167	<0.000557	14.92	2,180
	2	8/24/2022	<0.000572	<0.00572	<0.000572	<0.00171	<0.000572	3.75 J	2,680 V
	4	8/24/2022	<0.000639	<0.00639	<0.000639	<0.00192	<0.000639	2.944 J	2,130
	6	8/24/2022	<0.000654	<0.00654	<0.000654	<0.00197	<0.000654	<0.131	661
	8	8/24/2022	<0.000571	<0.00571	<0.000571	<0.00172	<0.000571	0.372 J	1,110
SB-21	0	8/24/2022	<0.000580	<0.00580	<0.000580	<0.00174	<0.000580	96.3	4,180
	2	8/24/2022	<0.000703	<0.00703	<0.000703	<0.00211	<0.000703	<0.141	2,060
	4	8/24/2022	<0.000587	<0.00587	<0.000587	<0.00176	<0.000587	<0.117	3,060
	6	8/24/2022	<0.000538	<0.00538	<0.000538	<0.00162	<0.000538	<0.108	868
	8	8/24/2022	<0.000677	<0.00677	<0.000677	<0.00203	<0.000677	<0.135	971
SB-22	0	8/24/2022	<0.000638	<0.00638	<0.000638	<0.00191	<0.000638	24.37	8,440
	2	8/24/2022	<0.000590	<0.00590	<0.000590	<0.00177	<0.000590	<0.118	3,550
	4	8/24/2022	<0.000692	<0.00692	<0.000692	<0.00208	<0.000692	264*	1,690
	6	8/24/2022	<0.000557	<0.00557	<0.000557	<0.00167	<0.000557	3.96 J	2,200
	8	8/24/2022	<0.000684	<0.00684	<0.000684	<0.00205	<0.000684	<0.137	1,340
SB-23	0	8/24/2022	<0.000524	<0.00524	<0.000524	<0.00157	<0.000524	486*	387
	2	8/24/2022	<0.000570	<0.00570	<0.000570	<0.00171	<0.000570	<0.114	3,990
	4	8/24/2022	<0.000554	<0.00554	<0.000554	<0.00166	<0.000554	<0.111	2,640
	6	8/24/2022	<0.000551	<0.00551	<0.000551	<0.00165	<0.000551	<0.110	3,030
	8	8/24/2022	<0.000573	<0.00573	<0.000573	<0.00172	<0.000573	<0.115	3,820
SB-24	0	8/24/2022	<0.000545	<0.00545	<0.000545	<0.00164	<0.000545	6.3	1,500
	2	8/24/2022	<0.000627	<0.00627	<0.000627	<0.00188	<0.000627	1.62 J	3,020
	4	8/24/2022	<0.000565	<0.00565	<0.000565	<0.00170	<0.000565	1.02 B J	1,710
	6	8/24/2022	<0.000527	<0.00527	<0.000527	<0.00158	<0.000527	<0.105	819
	8	8/24/2022	<0.000649	<0.00649	<0.000649	<0.00195	<0.000649	<0.130	2,810
SB-25	0 - 0.5	12/04/2023	--	--	--	--	--	20.8236 J	11.4
	2 - 2.5	12/04/2023	--	--	--	--	--	3.11 J	34.6
	4 - 4.4	12/04/2023	--	--	--	--	--	0.754 J	391
SB-26	0 - 0.5	12/04/2023	--	--	--	--	--	9.3232 J	53.6
	2 - 2.5	12/04/2023	--	--	--	--	--	0.977 J	1,940
	4 - 4.5	12/04/2023	--	--	--	--	--	2.5949 J	543
SB-27	0 - 0.5	12/04/2023	--	--	--	--	--	36.36 J	10.9 J
	2 - 2.5	12/04/2023	--	--	--	--	--	17.96 J	288
	4 - 4.5	12/04/2023	--	--	--	--	--	2.89 J	1,920
SB-28	0 - 0.5	12/05/2023	--	--	--	--	--	24.30	11,800
	2 - 2.5	12/05/2023	--	--	--	--	--	4.57 J	8,720
	4 - 4.5	12/05/2023	--	--	--	--	--	1.4 J3J6BJ	6,830
	6 - 6.5	12/05/2023	--	--	--	--	--	19.0571 J	3,520
	8 - 8.5	12/05/2023	--	--	--	--	--	0.581 J	3,330
SB-29	0 - 0.5	12/05/2023	--	--	--	--	--	10.6247 J	<9.66
	2 - 2.5	12/05/2023	--	--	--	--	--	6.08	2,900
	4 - 4.5	12/05/2023	--	--	--	--	--	1.97 BJ	1,880
	6 - 6.5	12/05/2023	--	--	--	--	--	1.98 BJ	2,480
	8 - 8.5	12/05/2023	--	--	--	--	--	0.37 BJ	3,020



Table 1
Summary of Cumulative Soil Analytical Data
Chevron Environmental Management Company
WTU #622
Lea County, New Mexico

Sample I.D. No.	Sample Depth (feet bgs)	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Total TPH	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			10	--	--	--	50	100	600
NMAC Standards			10	--	--	--	50	100	600
SB-30	0 - 0.5	12/05/2023	--	--	--	--	--	29.1897 J	10.7 J
	2 - 2.5	12/05/2023	--	--	--	--	--	3.96 BJ	<11.2
	4 - 4.5	12/05/2023	--	--	--	--	--	2.67 BJ	<10.2
	6 - 6.5	12/05/2023	--	--	--	--	--	1.17 BJ	3,330
	8 - 8.5	12/05/2023	--	--	--	--	--	<0.0241	2,990
SB-31	0 - 0.5	12/05/2023	--	--	--	--	--	42.2098 J	237
	2 - 2.5	12/05/2023	--	--	--	--	--	7.20	3,760
	4 - 4.5	12/05/2023	--	--	--	--	--	2.61 BJ	4,810
	6 - 6.5	12/05/2023	--	--	--	--	--	0.749 BJ	2,370
	8 - 8.5	12/05/2023	--	--	--	--	--	1.04 BJ	4,400
SB-32	0 - 0.5	12/05/2023	--	--	--	--	--	7.5766 J	<9.70
	2 - 2.5	12/05/2023	--	--	--	--	--	2.68 J	109
	4 - 4.5	12/05/2023	--	--	--	--	--	0.855 J	66.8
SB-33	0 - 0.5	12/05/2023	--	--	--	--	--	7.73	2,090
	2 - 2.5	12/05/2023	--	--	--	--	--	0.88 J	3,320
	4 - 4.5	12/05/2023	--	--	--	--	--	14.31 J	<9.69
SB-34	0 - 0.5	12/05/2023	--	--	--	--	--	14.59 J	<9.70
	2 - 2.5	12/05/2023	--	--	--	--	--	4.60	2,210
	4 - 4.5	12/05/2023	--	--	--	--	--	1.94 J	2,530
SB-35	0 - 0.5	12/05/2023	--	--	--	--	--	416.50	26.2
	2 - 2.5	12/05/2023	--	--	--	--	--	345.03 J	1,050
	4 - 4.5	12/05/2023	--	--	--	--	--	8.90 J	50.9
	6 - 6.5	12/05/2023	--	--	--	--	--	42.03 BJ	1,170
	8 - 8.5	12/05/2023	--	--	--	--	--	<0.0307	148
SB-36	0 - 0.5	12/05/2023	--	--	--	--	--	8.1583 J3J6J	12.7 J
	2 - 2.5	12/05/2023	--	--	--	--	--	2.47 J	19.2 J
	4 - 4.5	12/05/2023	--	--	--	--	--	0.837 J	74.2

Legend:

Bold and italicized analytes exceeds NMAC Standards
 "--" indicates not analyzed
 F1: MS and/or MSD recovery exceeds control limits
 F2: MS/MSD 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
 J3: The associated batch QC was outside the established quality control range for precision.
 J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
 H : Sample was prepped or analyzed beyond the specified holding time
 B: Compound was found in the blank and sample
 V: The sample concentration is too high to evaluate accurate spike recoveries.
 '<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)
 HA: Hand Auger Sample Location
 SB: Soil Boring Sample Location
 bgs: below ground surface
 mg/kg: Milligram per Kilogram
 BTEX : Benzene, Toluene, Ethylbenzene, and Total Xylenes
 NMAC : New Mexico Administration Code
 TPH GRO: Total Petroleum Hydrocarbons Gasoline Range Organics
 TPH MRO: Total Petroleum Hydrocarbons Motor Oil Range Organics
 TPH DRO: Total Petroleum Hydrocarbon Diesel Range Organics
 " " : Indicates one foot
 " " : Indicated inches

Notes:

1. Chloride analyzed by EPA Method 300
2. TPH analyzed by EPA Method 8015D
3. BTEX analyzed by EPA Method 8260C
4. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)

Table 2
Summary Groundwater Analytical Data
Chevron Environmental Management Company
WTU #622
Lea County, New Mexico



Sample I.D. No.	Date	Organic Compounds				Total Petroleum Hydrocarbons			Groundwater Quality	
		Benzene	Ethylbenzene	Toluene	Xylenes	C6-C10	C-10-C28	C28-C36	Chloride	Total Dissolved Solids
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC Human Health Standards for Groundwater¹										
		0.005	0.75	0.75	0.62	--	--	--	250	1,000
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TMW-1	12/04/23	<0.000190	<0.000160	<0.000412	<0.000510	0.314	0.429 B	0.174 B	10,700	16,600

Legend:

Bold and *italicized* values indicate concentrations above NMWQCC Other Standards.

NMWQCC Human Health Standards Per NMAC 20.6.2.3103A.

'<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)

mg/L: Milligram per Litre

B: The same analyte is found in the associated blank

BTEX : Benzene, Toluene, Ethylbenzene, and Total Xylenes

NMAC : New Mexico Administration Code

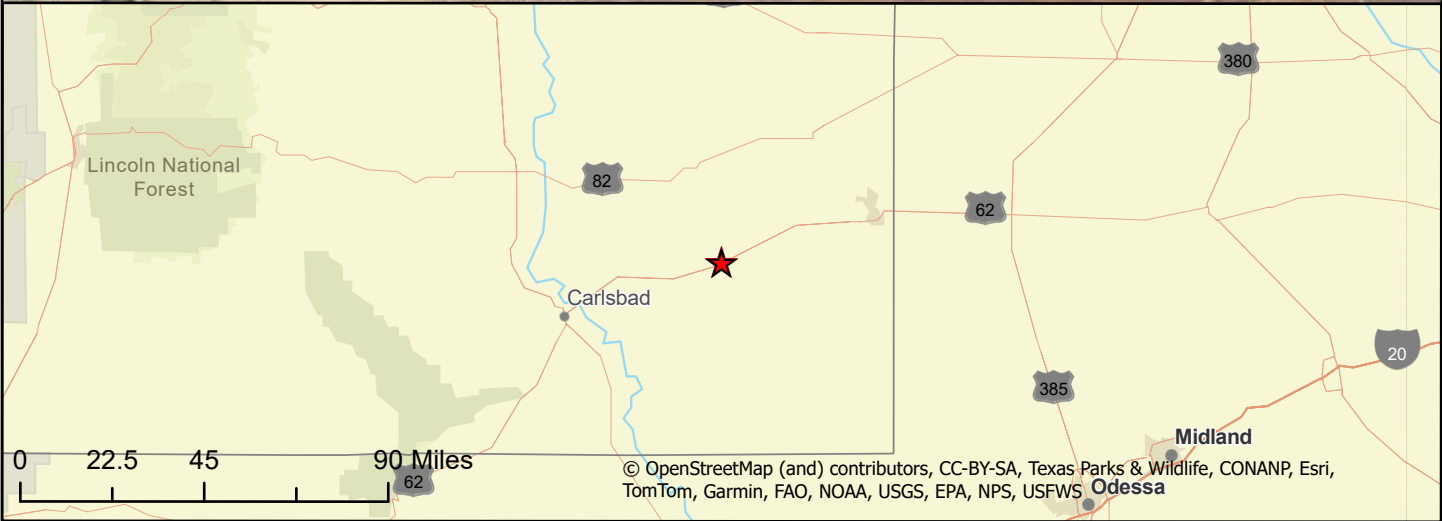
¹ : Indicates one foot

USEPA = United States Environmental Protection Agency

Notes:

1. Chloride analyzed by USEPA Method 300.0
2. TPH analyzed by USEPA Method 8015D
3. BTEX analyzed by USEPA Method 8260C
4. Total Petroleum Hydrocarbons (TPH) - Gasoline Range Organics (GRO) [C6-C10] analyzed by (GC) Method 8015
4. Total Petroleum Hydrocarbons (TPH) - Diesel Range Organics (DRO) [C10-C28] and Oil Range Organics (ORO) [C28-36] analyzed by (GC) Method 8015M
5. Total Dissolved Solids analyzed by Method 2540 C-2011
6. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)

Document Path: T:\ENVI\Chevron\WTU #622\ID-ProjectWorking_Arc_Proj\2023\2023_Subsequent_Soil_Assessment_Investigation.aprx



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Notes:
 1. Datum: D_WGS_1984
 2. Site Location: 32.574947°, -103.670457°

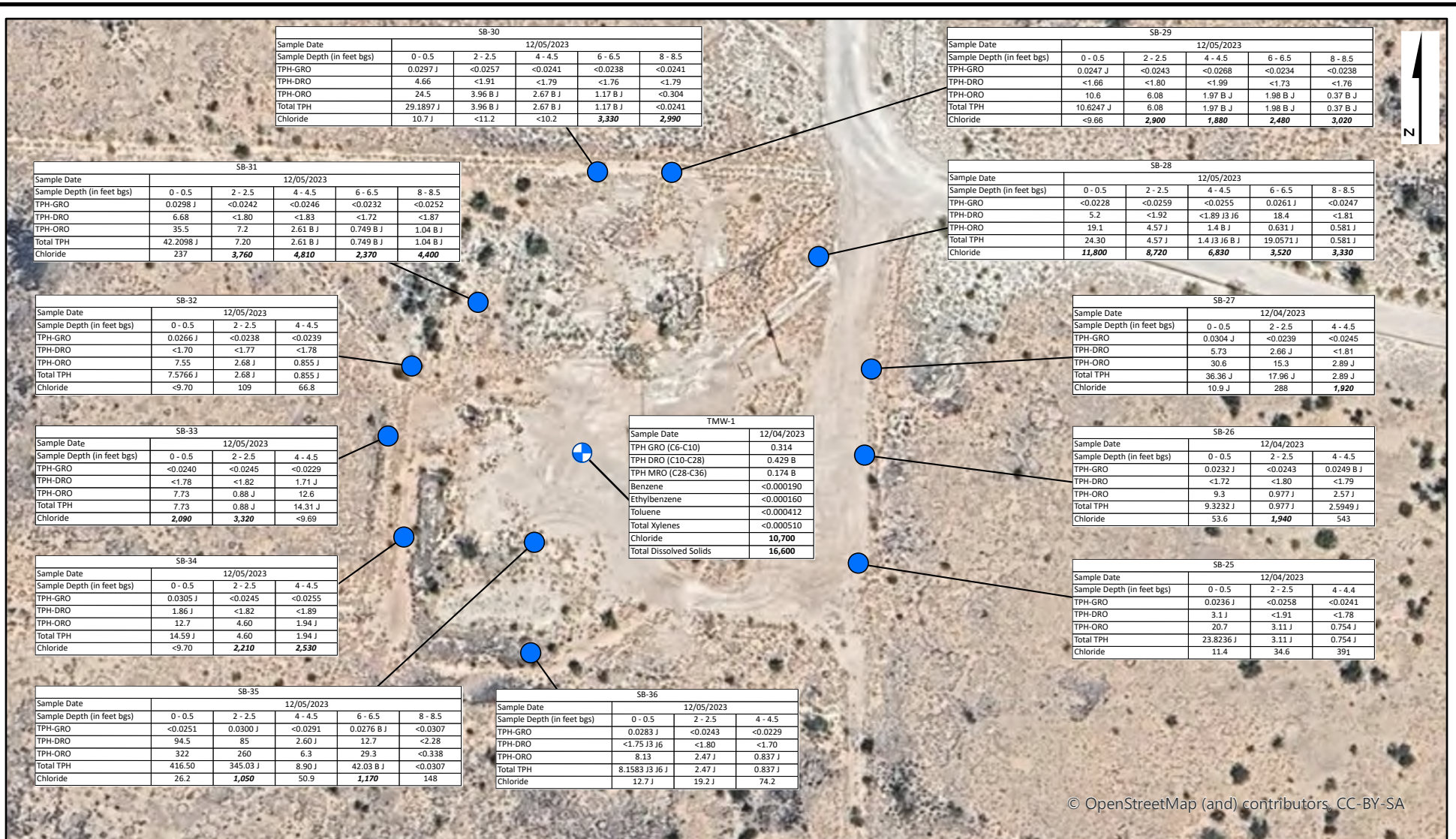
Chevron Environmental Management Company
 WTU #622
 Lea County, New Mexico

SITE LOCATION MAP



FIGURE 1

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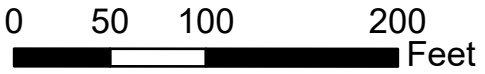
Legend

- Soil Sample Locations
- Temporary Monitoring Well Locations

Note:

- Datum: GCS_WGS_1984
- Site Location: 32.574947°, -103.670457°

- Notes:**
- B** and **I** indicates results exceeds the Restoration requirement
 - < indicates the analyte was not detected at or above the Method Detection Limit (MDL)
 - B The same analyte is found in the associated blank.
 - J The identification of the analyte is acceptable; the reported value is an estimate.
 - J3 The associated batch QC was outside the established quality control range for precision.
 - J6 The sample matrix interfered with the ability to make any accurate determination; spike value is low.
 - TPH GRO Indicates Total Petroleum Hydrocarbons Gasoline Range Organics.
 - TPH DRO Indicates Total Petroleum Hydrocarbon Diesel Range Organics.
 - TPH ORO Indicates Total Petroleum Hydrocarbons Oil Range Organics
 - Chloride analyzed by EPA Method 9056A
 - TPH analyzed by EPA Method 8015B
 - Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)
 - All soil analytical results reported in milligrams per kilograms (mg/kg)
 - All groundwater analytical results reported in milligrams per Liter (mg/L).
 - bgs = below ground surface
 - NMWQCC = New Mexico Water Quality Control Commission



CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
WU #622
LEA COUNTY, NEW MEXICO

SOIL AND GROUNDWATER ANALYTICAL RESULTS MAP

ARCADIS | FIGURE 2

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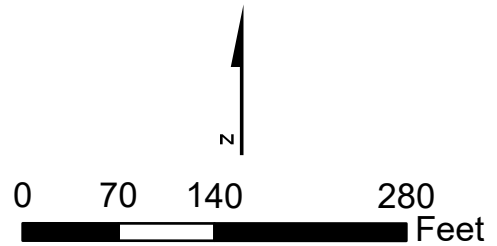
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Legend

- Proposed Background Soil Boring Location

Note:

1. Datum: GCS_WGS_1984
2. Site Location: 32.574947°, -103.670457°



CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 WTU #622
 LEA COUNTY, NEW MEXICO

**PROPOSED BACKGROUND TEMPORARY
 MONITORING WELL LOCATIONS MAP**

 | **FIGURE 3**



NMSLO Cultural Resources Cover Sheet

Survey Complete Form

To: Cultural Resources Office, New Mexico State Land Office, Santa Fe, New Mexico

Re: Proposed "WTU 622" project

Notification of Intent to Survey ID: N-20241205-002079

Cultural Resource Survey

NMCRIS Activity No.: 157344

Findings: Negative

Have avoidance and protection Measures been devised? Yes

Comments: No findings report in somewhat disturbed area between the highway and oil and gas development.

Submitted on: 1/2/2025 at 9:55 AM MDT

Proposed Project Details

Permitted Cultural Consultant Name: Arcadis

Permitted Cultural Consultant Phone Number:
(512) 775 - 2620

Permitted Cultural Consultant Email Address:
robin.barnes@arcadis.com

Chevron Environmental Management Company has contracted Arcadis to conduct a cultural resources survey for a proposed project "WTU 622" located on New Mexico State Trust Lands in T20S R33E S16 in Lea. The survey is estimated to begin on 12/10/2024. The total acreage of the proposed project area is 3.72. The Lead Agency for this project is SLO.

NMSLO Administrative Use Only:

NMSLO Lease Number: _____

Lease Analyst: _____

Archived: Tuesday, March 4, 2025 8:41:10 AM

From: Gallegos, David

Mail received time: Wed, 12 Feb 2025 16:56:15

Sent: Wed, 12 Feb 2025 16:55:31

To: Castro, Guadalupe, OSE Johnson, Sarah

Cc: Crosby, Faith Moritz, Kyle

Subject: NMOSE Permit Approvals for CEMC

Importance: Normal

Sensitivity: None

Attachments:

WR-07 Application for Permit to Drill a Well with No Consumptive Use 100224 (1).pdf; WD-08m-Multiple Monitoring Well Description_2019-07-31_final (1).pdf; WD-08 Well Plugging Plan of Operations_2019-07-31_final (1).pdf;

Arcadis Warning: Exercise caution with email messages from external sources such as this message. Always verify the sender and avoid clicking on links or scanning QR codes unless certain of their authenticity.

Hello Lupe and Sarah,

The attached items have approval to proceed on State Trust Lands.

Thanks,



David A. Gallegos

He/They
Water Bureau Environmental Specialist
Oil, Gas and Minerals Division
505.476.0378
New Mexico State Land Office
310 Old Santa Fe Trail
P.O. Box 1148
Santa Fe, NM 87504-1148
dgallegos@nmslo.gov
nmstatelands.org



****My email has changed from dgallegos@slo.state.nm.us to dgallegos@nmslo.gov, please update your records to reflect the change. Thank you****



.....
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Elizabeth K. Anderson, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 778497
File Nbr: CP 02052

Feb. 14, 2025

SARAH JOHNSON
CHEVRON ENVIRONMENTAL MGMT CO
1004 N BIG SPRING ST., STE 121
MIDLAND, TX 79701

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * You, the permittee, are required to email nm.driller@ose.nm.gov with the following information when the driller is enroute to the drilling site: OSE Permit number, POD number, physical address, driller company and license number, and date/time driller is to be on site.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.nm.gov.

Sincerely,

Guadalupe Castro
(575) 622-6521

Enclosure

File No. CP-2052 POD1-4

NEW MEXICO OFFICE OF THE STATE ENGINEER



WR-07 APPLICATION FOR PERMIT TO DRILL



A WELL WITH NO WATER RIGHT

(check applicable boxes):

For fees, see State Engineer website: <https://www.ose.nm.gov/>

Purpose:	<input type="checkbox"/> Pollution Control And/Or Recovery	<input type="checkbox"/> Ground Source Heat Pump
<input type="checkbox"/> Exploratory Well*(Pump test)	<input type="checkbox"/> Construction Site/Public Works Dewatering	<input type="checkbox"/> Other(Describe):
<input checked="" type="checkbox"/> Monitoring Well	<input type="checkbox"/> Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.
 *New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.

Yes No Angled/Directional borehole - include schematic and azimuth, inclination, measured depth and true vertical depth.

Temporary Request - Requested Start Date: _____ Requested End Date: _____

Plugging Plan of Operations Submitted? Yes No

Note: if there is known artesian conditions, contamination or high mineral content at the drilling location, include the borehole log or a well log from an existing well at that location. If this information is not submitted, check box and attach form WD-09 to this form.

1. APPLICANT(S)

Name: Chevron Environmental Management Company	Name:
Contact or Agent: Arcadis U.S., Inc. <input checked="" type="checkbox"/> check here if Agent	Contact or Agent: <input type="checkbox"/> check here if Agent
Mailing Address: 1004 N Big Spring St, Suite 121	Mailing Address:
City: Midland	City:
State: Texas Zip Code: 79701	State: Zip Code:
Phone: (931) 436-0316 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell	Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell
Phone (Work):	Phone (Work):
E-mail (optional): sarah.johnson@arcadis.com	E-mail (optional):

FOR OSE INTERNAL USE Application for Permit, Form WR-07, Rev 10/02/2024

File No. CP-2052 POD1-4	Trm. No.: 778497	Receipt No. 2-47544
Trans Description (optional): MON		
Sub-Basin: CP	PCW/LOG Due Date: 2/14/2026	

2. WELL(S) Describe the well(s) appl cable to this application

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell), District V (Aztec) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

- NM State Plane (NAD83) (Feet) UTM (NAD83) (Meters) Lat/Long (WGS84) (to the nearest 1/10th of second)
 NM West Zone Zone 12N
 NM East Zone Zone 13N
 NM Central Zone

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	-Public Land Survey System (PLSS) (QQSection, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name	Well Depth in feet	Casing Diameter (OD)
CP-2052a POD1 TMW-1	-103.670887	32.575797	F-16-20S-33E	40'	2"
CP-2052a POD2 TMW-2	-103.671544	32.574782	F-16-20S-33E	40'	2"
CP-2052a POD3 TMW-3	-103.670945	32.574380	F-16-20S-33E	40'	2"
CP-2052a POD4 TMW-4	-103.670040	32.574816	F-16-20S-33E	40'	2"

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
 Additional well descriptions are attached: Yes No If yes, how many _____

Other description relating well to common landmarks, streets, or other:

Wells are will be installed in each cardinal direction of the WTU 622 water injection well API. 30-025-01743

Well is on land owned by: New Mexico State Land

Well Information: NOTE: If casings telescope or involve nested casing, please provide diagram. Attached? Yes No

Approximate depth to water (feet): 34 feet bgs

Outside diameter of well casing (inches): 2"

Driller Name: Kenneth D. Cooper

Driller License Number: WD-1731

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

TMW-1 through TMW-4 are proposed to be installed as temporary monitoring wells to approximately 40 feet below ground surface. The wells will be developed and sampled 24 hours following installation. The wells will be plugged and abandoned within 48 hours following installation.

SE C.I. ROSWELL
6 DEC '24 P. 1:11

FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 10/02/2024

File No.: CP-2052a POD1-4 Trm No.: 778497

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

<p>Exploratory*: Is proposed well a future public water supply well? <input type="checkbox"/> Yes <input type="checkbox"/> NO If Yes, an application must be filed with NMED-DWB, concurrently. <input type="checkbox"/> Include a description of any proposed pump test, if applicable.</p>	<p>Pollution Control and/or Recovery: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.</p>	<p>Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.</p>	<p>Mine De-Watering: <input type="checkbox"/> Include a plan for Mine De-Watering, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water. <input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.</p>
<p>Monitoring*: <input checked="" type="checkbox"/> Include the reason for the monitoring well, and, <input checked="" type="checkbox"/> The duration of the planned monitoring.</p>	<p>Ground Source Heat Pump: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.</p>		

(* if exploration or monitoring drilling activity is required by NMED, then you must also submit the NMED Work Plan)

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Sarah Johnson

Print Name(s)

affirm that the foregoing statements are true to the best of (my,our) knowledge and belief.

Sarah Johnson
Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

OSE DII ROSWELL NM
6 DEC '24 PM 1:12

This application is:

- approved
- partially approved
- denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 14th day of February 20 25, for the State Engineer,

Elizabeth K. Anderson, P.E.

State Engineer

By: *K. Parekh*
Signature
Water Resources Manager I

Kashyap Parekh

Print

Title:
Print

FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 10/02/2024

File No.: CP-2052 P0014	Trn No.: 778497
-------------------------	-----------------

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: CP-2052 POD1-4

File Number: CP 02052

Trn Number: 778497

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record. The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- 17-Q The State Engineer retains jurisdiction over this permit.
- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Trn Desc: CP-2052 POD1-4

File Number: CP 02052

Trn Number: 778497

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- LOG The Point of Diversion CP 02052 POD1 must be completed and the Well Log filed on or before 02/14/2026.
- LOG The Point of Diversion CP 02052 POD2 must be completed and the Well Log filed on or before 02/14/2026.
- LOG The Point of Diversion CP 02052 POD3 must be completed and the Well Log filed on or before 02/14/2026.
- LOG The Point of Diversion CP 02052 POD4 must be completed and the Well Log filed on or before 02/14/2026.

All wells shall be constructed to prevent contaminants from entering the hole from land surface by sealing the annular space around the outermost casing.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 12/06/2024	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 14 day of Feb A.D., 2025

Elizabeth K. Anderson, P.E., State Engineer

By: 
KASHYAP PAREKH

Trn Desc: CP-2052 POD1-4

File Number: CP 02052

Trn Number: 778497

SENW



16

Esri, HERE, Garmin, (c) OpenStreetMap contributors, OSE SLO, BLM

Coordinates

UTM - NAD 83 (m) - Zone 13

Easting 624757.484
Northing 3605039.953

State Plane - NAD 83 (f) - Zone E

Easting 745402.134
Northing 573838.874

Degrees Minutes Seconds

Latitude 32 : 34 : 32.869200
Longitude -103 : 40 : 15.157200

Location pulled from Coordinate Search

**NEW MEXICO OFFICE
OF THE
STATE ENGINEER**

1:1,128

N



12/16/2024



Reasonable efforts have been made by the New Mexico Office of the State Engineer (OSE) to verify that these maps accurately represent the source data used in their preparation. However, a degree of error is inherent in all maps and these maps may contain errors and omissions in scale, resolution, and/or other positional and/or accuracy development methodology, interpretation of source data, and other circumstances. These maps are distributed "as is" without warranty of any kind.

Spatial Information

Land Grant: Not in Land Grant
County: Lea
Groundwater Basin: Capitan
Abstract Area:
Capitan

Regulation Area:

Carlsbad/Capitan/Lea Closure

PLSS Description

SENWSENW Qtr of Sec 16 of 020S 033E

Derived from CADNSDI - Qtr Sec. locations are calculated and are only approximations

Parcel Information

UPC/DocNum:

Parcel Owner:

Address:null null null

Legal:

POD Information

Owner:

File Number:

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose:

- Coord Search Location
- Water Right Regulations
- Closure Area
- OSE District Boundary
- New Mexico State Trust Lands
- Both Estates
- Federal Lands

- Bernalillo County Parcels 2024
- Catron County Parcels 2024
- Chaves County Parcels 2024
- Cibola County Parcels 2024
- Colfax County Parcels 2024
- Curry County Parcels 2024

- De Baca County Parcels 2024
- Eddy County Parcels 2024
- Grant County Parcels 2024
- Guadalupe County Parcels 2024
- Harding County Parcels 2024

- Hidalgo County Parcels 2024
- Lea County Parcels 2024
- Lincoln County Parcels 2024
- Los Alamos County Parcels 2024
- Luna County Parcels 2024

- McKinley County Parcels 2024
- Mora County Parcels 2024
- Otero County Parcels 2024
- Quay County Parcels 2024
- Rio Arriba County Parcels 2024

- Roosevelt County Parcels 2024
- Sandoval County Parcels 2024
- San Juan County Parcels 2024
- San Miguel County Parcels 2024

- Santa Fe County Parcels 2024
- Sierra County Parcels 2024
- Socorro County Parcels 2024
- Taos County Parcels 2024
- Torrance County Parcels 2024

- Union County Parcels 2024
- Valencia County Parcels 2024
- Sections
- BLM Land Grant

SENW



Esri, HERE, Garmin, (c) OpenStreetMap contributors, OSE SLO, BLM

Coordinates

UTM - NAD 83 (m) - Zone 13

Easting 624696.277

Northing 3604926.643

State Plane - NAD 83 (f) - Zone E

Easting 745198.965

Northing 573468.327

Degrees Minutes Seconds

Latitude 32 : 34 : 29.215200

Longitude -103 : 40 : 17.558400

Location pulled from Coordinate Search

NEW MEXICO OFFICE OF THE STATE ENGINEER

1:1,128

N



12/16/2024



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Groundwater Basin: Capitan

Abstract Area: Capitan

Regulation Area:

Carlsbad/Capitan/Lea Closure

PLSS Description

NWSWSENW Qtr of Sec 16 of 020S 033E

Derived from CADNSDI- Qtr Sec, locations are calculated and are only approximations

Parcel Information

UPC/DocNum:

Parcel Owner:

Address:null null null

Legal:

POD Information

Owner:

File Number:

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose:

Coord Search Location

Water Right Regulations

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OSE District Boundary

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De Baca County Parcels 2024

Eddy County Parcels 2024

Grant County Parcels 2024

Guadalupe County Parcels 2024

Harding County Parcels 2024

Hidalgo County Parcels 2024

Lea County Parcels 2024

Lincoln County Parcels 2024

Los Alamos County Parcels 2024

Luna County Parcels 2024

McKinley County Parcels 2024

Mora County Parcels 2024

Otero County Parcels 2024

Quay County Parcels 2024

Rio Arriba County Parcels 2024

Roosevelt County Parcels 2024

Sandoval County Parcels 2024

San Juan County Parcels 2024

San Miguel County Parcels 2024

Santa Fe County Parcels 2024

Sierra County Parcels 2024

Socorro County Parcels 2024

Taos County Parcels 2024

Torrance County Parcels 2024

Union County Parcels 2024

Valencia County Parcels 2024

Sections

BLM Land Grant

SENW



Esri, HERE, Garmin, (c) OpenStreetMap contributors, OSE SLO, BLM

Coordinates

UTM - NAD 83 (m) - Zone 13

Easting 624753.063
Northing 3604882.778

State Plane - NAD 83 (f) - Zone E

Easting 745384.396
Northing 573323.223

Degrees Minutes Seconds

Latitude 32 : 34 : 27.768000
Longitude -103 : 40 : 15.402000

Location pulled from Coordinate Search

**NEW MEXICO OFFICE
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1:1,128

N



12/16/2024



Reasonable efforts have been made by the New Mexico Office of the State Engineer (OSE) to verify that these maps accurately represent the source data used in their production. However, a degree of error is inherent in all maps, and these maps may contain omissions and errors in scale, projection, resolution, positional accuracy, or placement methodology. Interpretation of source data and other circumstances. These maps are distributed "as is" without warranty of any kind.

Spatial Information

Land Grant: Not in Land Grant
County: Lea
Groundwater Basin: Capitan
Abstract Area:
Capitan

Regulation Area:

Carlsbad/Capitan/Lea Closure
PLSS Description

NESWSENW Qtr of Sec 16 of 020S 033E

Derived from CADNSDI- Qtr Sec, locations are calculated and are only approximations

Parcel Information

UPC/DocNum:

Parcel Owner:

Address:null null null

Legal:

POD Information

Owner:

File Number:

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose:

◆ Coord Search Location

Water Right Regulations

☞ Closure Area

OSE District Boundary

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Grant County Parcels 2024

Guadalupe County Parcels 2024

Harding County Parcels 2024

Hidalgo County Parcels 2024

Lea County Parcels 2024

Lincoln County Parcels 2024

Los Alamos County Parcels 2024

Luna County Parcels 2024

McKinley County Parcels 2024

Mora County Parcels 2024

Otero County Parcels 2024

Quay County Parcels 2024

Rio Arriba County Parcels 2024

Roosevelt County Parcels 2024

Sandoval County Parcels 2024

San Juan County Parcels 2024

San Miguel County Parcels 2024

Santa Fe County Parcels 2024

Sierra County Parcels 2024

Socorro County Parcels 2024

Taos County Parcels 2024

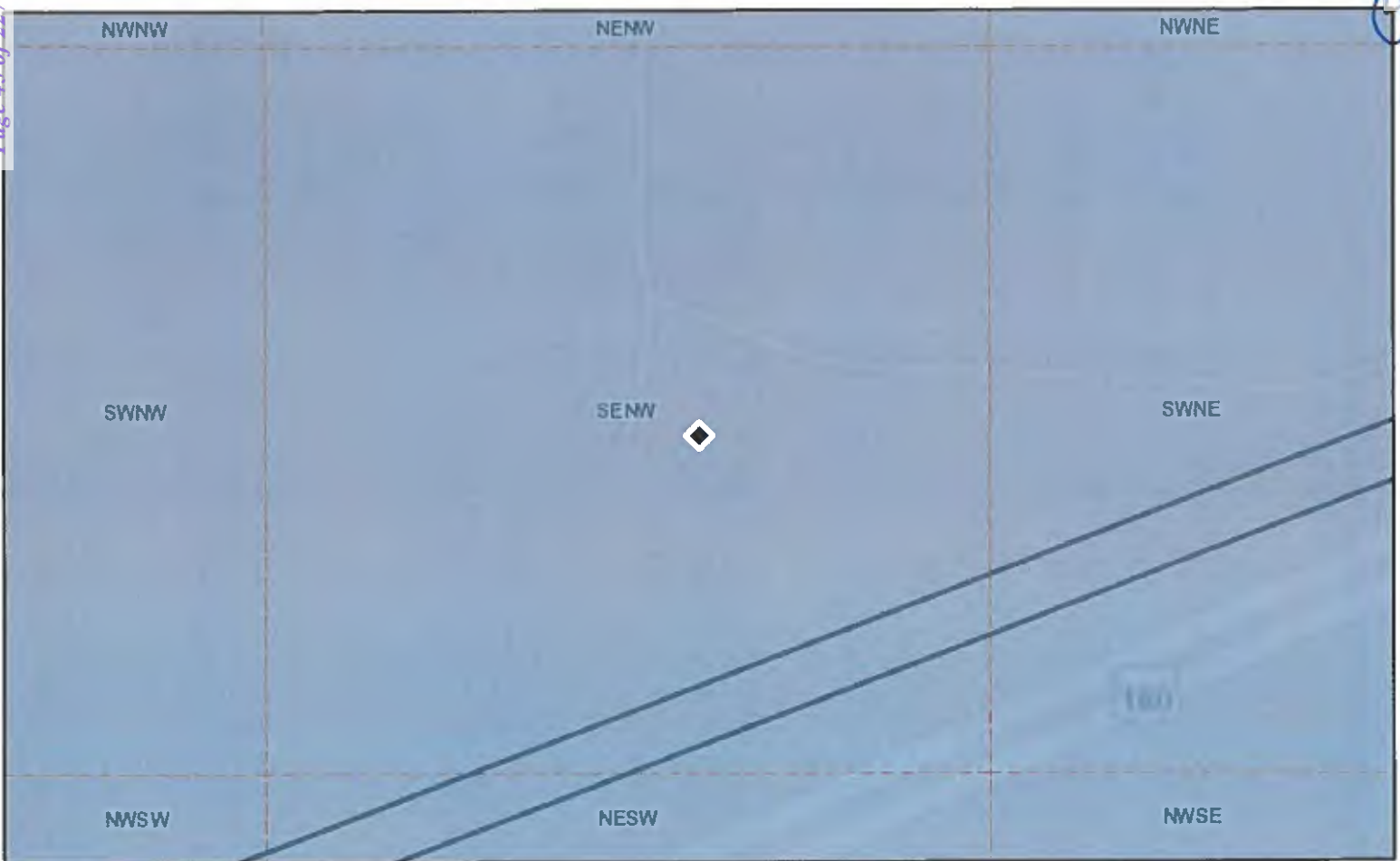
Torrance County Parcels 2024

Union County Parcels 2024

Valencia County Parcels 2024

Sections

BLM Land Grant



Coordinates

UTM - NAD 83 (m) - Zone 13
 Easting: 624837.414
 Northing: 3604932.176

State Plane - NAD 83 (f) - Zone E
 Easting: 745662.192
 Northing: 573483.581

Degrees Minutes Seconds
 Latitude: 32 : 34 : 29.337600
 Longitude: -103 : 40 : 12.144000

NEW MEXICO OFFICE
 OF THE
 STATE ENGINEER

1:4,514

N

2/14/2025

Spatial Information

Land Grant: Not in
County: Lea
Groundwater Basin: Capitan

Abstract Area:
 Capitan

Regulation Area:
 Carlsbad/Capitan/Lea Closure

PLSS Description
 NWSESENW Qtr of Sec 16 of 020S 033E

Derived from CADNSDI- Qtr Sec. locations are calculated and are only approximations

Parcel Information

UPC/DocNum:
 Parcel Owner:
 Address:null null null

Legal:



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POD Information

Owner:
File Number:
POD Status: NoData
Permit Status: NoData
Permit Use: NoData
Purpose:

- | | | | | | |
|---|--|---|---|--|---|
| <ul style="list-style-type: none"> NMDDOT Roads Coord Search Location Mexico Mask US Mask GIS WATERS PODs Active Pending | <ul style="list-style-type: none"> Changed Location of Well Inactive Capped Plugged Unknown Unknown Other | <p>Water Right Regulations</p> <ul style="list-style-type: none"> Critical Management Area - Guidelines Quality Restriction Area Local Ordinance Area Special Condition Area <p>New Mexico State Trust Lands</p> <ul style="list-style-type: none"> Subsurface | <ul style="list-style-type: none"> Negative Easement Area Closure Area Artesian Planning Area OSE District Boundary | <ul style="list-style-type: none"> Surface Estate Both Estates Federal Lands Bernalillo County Parcels 2024 Catron County Parcels 2024 Chaves County Parcels 2024 Cibola County Parcels 2024 Colfax County Parcels 2024 Curry County Parcels 2024 De Baca County Parcels 2024 Dofia Ana County Parcels 2024 Eddy County Parcels 2024 Grant County Parcels 2024 Guadalupe County Parcels 2024 Harding County Parcels 2024 Hidalgo County Parcels 2024 Lea County Parcels 2024 Lincoln County Parcels 2024 Los Alamos County Parcels 2024 Luna County Parcels 2024 McKinley County Parcels 2024 Mora County Parcels 2024 Otero County Parcels 2024 Quay County Parcels 2024 Rio Arriba County Parcels 2024 Roosevelt County Parcels 2024 Sandoval County Parcels 2024 San Juan County Parcels 2024 San Miguel County Parcels 2024 Sierra County Parcels 2024 Socorro County Parcels 2024 Taos County Parcels 2024 Torrance County Parcels 2024 Union County Parcels 2024 Valencia County Parcels 2024 Sections BLM Land Grant PLSSTownship PLSSFirstDivisio PLSSSecondDiv GIS WATERS PODs Active | <ul style="list-style-type: none"> Pending Changed Location of Well Inactive Capped Plugged Unknown Unknown Other |
|---|--|---|---|--|---|

OFFICE OF THE STATE ENGINEER/INTERSTATE STREAM COMMISSION – ROSWELL OFFICE

OFFICIAL RECEIPT NUMBER: **2 - 47544** DATE: 12/6/24 FILE NO.: MW

TOTAL: 20.00 RECEIVED: Twenty \$100 DOLLARS CHECK NO.: 6602 CASH:

PAYOR: Trudy Rodriguez ADDRESS: 417 W. Dornard Ave CITY: Midland STATE: TX

ZIP: 79705 RECEIVED BY: AR

INSTRUCTIONS: Indicate the number of actions to the left of the appropriate type of filing. Complete the receipt information. **Original** to payor; **pink** copy to Program Support/ASD; and **yellow** copy for Water Rights. If a mistake is made, void the original and all copies and submit to Program Support/ASD as part of your daily deposit.

A. Ground Water Filing Fees		B. Surface Water Filing Fees		C. Well Driller Fees	
1.	Change of Ownership of Water Right	\$ 2.00	1.	Change of Ownership of a Water Right	\$ 5.00
2.	Application to Appropriate or Supplement Domestic 72-12-1 Well	\$ 125.00	2.	Declaration of Water Right	\$ 10.00
3.	Application to Repair or Deepen 72-12-1 Well	\$ 75.00	3.	Amended Declaration	\$ 25.00
4.	Application for Replacement 72-12-1 Well	\$ 75.00	4.	Application to Change Point of Diversion and Place and/or Purpose of Use from Surface Water to Surface Water	\$ 200.00
5.	Application to Change Purpose of Use 72-12-1 Well	\$ 75.00	5.	Application to Change Point of Diversion and Place and/or Purpose of Use from Ground Water to Surface Water	\$ 200.00
6.	Application for Stock Well/Temp. Use	\$ 5.00	6.	Application to Change Point of Diversion	\$ 100.00
7.	Application to Appropriate Irrigation, Municipal, or Commercial Use	\$ 25.00	7.	Application to Change Place and/or Purpose of Use	\$ 100.00
8.	Declaration of Water Right	\$ 1.00	8.	Application to Appropriate	\$ 25.00
9.	Application for Additional Point of Diversion Non 72-12-1 Per Well	\$ 25.00	9.	Notice of Intent to Appropriate	\$ 25.00
10.	Application to Change Place or Purpose of Use Non 72-12-1 Well	\$ 25.00	10.	Application for Extension of Time	\$ 50.00
11.	Application to Change Point of Diversion and Place and/or Purpose of Use from Surface Water to Ground Water	\$ 50.00	11.	Supplemental Well to a Surface Right	\$ 100.00
12.	Application to Change Point of Diversion and Place and/or Purpose of Use from Ground Water to Ground Water	\$ 50.00	12.	Return Flow Credit	\$ 100.00
13.	Application to Change Point of Diversion of Non 72-12-1 Well	\$ 25.00	13.	Proof of Completion of Works	\$ 25.00
14.	Application to Repair or Deepen Non 72-12-1 Well	\$ 5.00	14.	Proof of Application of Water to Beneficial Use	\$ 25.00
15.	Application for Test, Expl. Observ. Well	\$ 5.00	15.	Water Development Plan	\$ 25.00
16.	Application for Extension of Time	\$ 25.00	16.	Declaration of Livestock Water Impoundment	\$ 100.00
17.	Proof of Application to Beneficial Use	\$ 25.00	17.	Application for Livestock Water Impoundment	\$ 10.00
18.	Notice of Intent to Appropriate	\$ 25.00			

All fees are non-refundable.

Castro, Guadalupe, OSE

From: Gallegos, David <dgallegos@nmslo.gov>
Sent: Wednesday, February 12, 2025 9:56 AM
To: Castro, Guadalupe, OSE; Johnson, Sarah
Cc: Crosby, Faith; Moritz, Kyle
Subject: [EXTERNAL] NMOSE Permit Approvals for CEMC
Attachments: WR-07 Application for Permit to Drill a Well with No Consumptive Use 100224 (1).pdf; WD-08m-Multiple Monitoring Well Description_2019-07-31_final (1).pdf; WD-08 Well Plugging Plan of Operations_2019-07-31_final (1).pdf

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello Lupe and Sarah,

The attached items have approval to proceed on State Trust Lands.

Thanks,



David A. Gallegos
He/They
 Water Bureau Environmental Specialist
 Oil, Gas and Minerals Division
 505.476.0378
 New Mexico State Land Office



310 Old Santa Fe Trail
 P.O. Box 1148
 Santa Fe, NM 87504-1148
dgallegos@nmslo.gov

nmstatelands.org

****My email has changed from dgallegos@slo.state.nm.us to dgallegos@nmslo.gov, please update your records to reflect the change. Thank you****

CONFIDENTIALITY NOTICE - This e-mail transmission, including all documents, files, or previous e-mail messages attached hereto, may contain confidential and/or legally privileged information. If you are not the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that you must not read this transmission and that any disclosure, copying, printing, distribution, or use of any of the information contained in and/or attached to this transmission is **STRICTLY PROHIBITED**. If you have received this transmission in error, please immediately notify the sender and delete the original transmission and its attachments without reading or saving in any manner. Thank you.



STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
ROSWELL

Elizabeth K. Anderson, P.E.
State Engineer

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
Phone: (575) 622-6521
Fax: (575) 623-8559

February 20, 2025

Chevron Environmental Management Company
1004 N. Big Spring St, Suite 121
Midland, TX 79701


RE: Well Plugging Plan of Operations for well No. CP-2052-POD1 to POD4

Greetings:

Enclosed is your copy of the Well Plugging Plan of Operations for the above referenced well subject to the attached Conditions of Approval. The proposed method of operation is found to be acceptable and in accordance with the Rules and Regulations Governing Well Driller Licensing; Construction, Repair and Plugging of Wells 19.27.4 NMAC adopted June 30, 2017 by the State Engineer. subject to the attached Conditions of Approval.

Within 30 days after the well is plugged, the well driller is required to file a complete plugging record with the OSE and the permit holder.

Sincerely,



Kashyap Parekh
Water Resources Manager I



STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
ROSWELL

1900 West Second St.
Roswell, New Mexico 88201
Phone: (575) 622-6521
Fax: (575) 623- 8559

Applicant has identified wells, listed below, to be plugged. Kenneth D. Cooper (WD-1731) will perform the plugging.

Permittee: Chevron Environmental Management Company
NMOSE Permit Number: CP-2052-POD1 to POD4

NMOSE File	Casing diameter (inches)	Well depth (feet bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
CP-2052-POD1	2.0	40.0	34.0	32.575797°	103.670887°
CP-2052-POD2	2.0	40.0	34.0	32.574782°	103.671544°
CP-2052-POD3	2.0	40.0	34.0	32.574380°	103.670945°
CP-2052-POD4	2.0	40.0	34.0	32.574816°	103.670040°

Specific Plugging Conditions of Approval for Well located in Lea County.

1. Water well drilling and well drilling activities, including well plugging, are regulated under 19.27.4 NMAC, which requires any person engaged in the business of well drilling within New Mexico to obtain a Well Driller License issued by the New Mexico Office of the State Engineer (NMOSE). Therefore, the firm of a New Mexico licensed Well Driller shall perform the well plugging.
2. Theoretical volume of sealant required for abandonment of the 2.0 inch diameter casing is approximately 6.52 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 40 feet below ground surface (b.g.s.).
3. The cement-bentonite slurry (bentonite powder) shall be mixed using a maximum of 5.2 gallons water per 94-lb sack of Type I/II Portland cement PLUS 0.65 gallons per 1% increase in bentonite up to a maximum 6% bentonite by dry weight ratio.
4. The bentonite shall be hydrated separately with its required increments of water prior to being mixed into the cement slurry.



WELL PLUGGING PLAN OF OPERATIONS



NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmn/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP: Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: CP-2052-POD1 to POD4

Name of well owner: Chevron Environmental Management Company

Mailing address: 6301 Deauville Blvd. County: Midland

City: Midland State: Texas Zip code: 79706

Phone number: 661-401-0359 E-mail: chrisbrand@chevron.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Kenneth D. Cooper

New Mexico Well Driller License No.: WD-1731 Expiration Date: _____

IV. WELL INFORMATION: Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.

Note: A copy of the existing Well Record for the well(s) to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: _____ deg, _____ min, _____ sec
Longitude: _____ deg, _____ min, _____ sec, NAD 83

2) Reason(s) for plugging well(s):

TMW-1 through TMW-4 will be temporary monitoring wells in order to collect groundwater samples. The wells will be plugged and abandoned within 48 hours of installation

3) Was well used for any type of monitoring program? No If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? No If yes, provide additional detail, including analytical results and/or laboratory report(s): _____

5) Static water level: 34 feet bgs _____ feet below land surface / feet above land surface (circle one)

6) Depth of the well: 40' feet

OSE DIV. OSWELL NM
20 FEB 2022 10:25

- 7) Inside diameter of innermost casing: 2 inches.
- 8) Casing material: PVC
- 9) The well was constructed with:
 - an open-hole production interval, state the open interval: _____
 - a well screen or perforated pipe, state the screened interval(s): 30-40 feet bgs
- 10) What annular interval surrounding the artesian casing of this well is cement-grouted? N/A
- 11) Was the well built with surface casing? No If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? _____ If yes, please describe:
- 12) Has all pumping equipment and associated piping been removed from the well? Yes If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING: If plugging method differs between multiple wells on same site, a separate form must be completed for each method.

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.

Also, if this planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.

- 1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:

The temporary monitoring wells will be pulled from the boreholes. The boreholes will then be pressure grouted with a bentonite cement slurry mixture to 3 feet bgs and backfilled with clean fill. If the temporary wells cannot be removed, the well casing will be cut off 3 feet bgs. The wells will then be pressure grouted to 3 feet bgs and backfilled with clean fill.
- 2) Will well head be cut-off below land surface after plugging? 3 feet bgs

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recipe from the cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.

- 1) For plugging intervals that employ cement grout, complete and attach Table A.
- 2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
- 3) Theoretical volume of grout required to plug the well to land surface: 10 gallons
- 4) Type of Cement proposed: 5% bentonite/cement slurry
- 5) Proposed cement grout mix: 6.4 gallons of water per 94 pound sack of Portland cement.
- 6) Will the grout be: _____ batch-mixed and delivered to the site
X mixed on site

7) Grout additives requested, and percent by dry weight relative to cement:

5% dry weight bentonite

8) Additional notes and calculations:

N/A

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

The wells will be developed and sampled 24 hours after installation. The wells will be plugged and abandoned within 48 hours after installation.

VIII. SIGNATURE:

I, Sarah Johnson, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Sarah Johnson

Digitally signed by Sarah Johnson
DN: CN = Sarah Johnson email = sarah.johnson@scades.com C = AD
Date: 2025.02.20 08:43:13 -0800

2/20/2025

Signature of Applicant

Date

IX. ACTION OF THE STATE ENGINEER:

OSE DII ROSWELL NM
20 FEB '25 AM 10:45

This Well Plugging Plan of Operations is:

- Approved subject to the attached conditions.
- Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 20th day of February, 2025

Elizabeth K. Anderson P.E.

_____, New Mexico State Engineer

By: K. Parekh
Kashyap Parekh

Water Resources Manager I



TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)			3 feet bgs
Bottom of proposed interval of grout placement (ft bgl)			40 feet bgs
Theoretical volume of grout required per interval (gallons)			estimated 10 gallons
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			6.5 gallons
Mixed on-site or batch-mixed and delivered?			mixed onsite
Grout additive 1 requested			bentonite
Additive 1 percent by dry weight relative to cement			5%
Grout additive 2 requested			N/A
Additive 2 percent by dry weight relative to cement			N/A

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)			
Bottom of proposed sealant of grout placement (ft bgl)			
Theoretical volume of sealant required per interval (gallons)			
Proposed abandonment sealant (manufacturer and trade name)			

OSE DII ROSWELL NM
20 FEB '25 AM 10:46



NEW MEXICO OFFICE OF THE STATE ENGINEER



ATTACHMENT 1 POINT OF DIVERSION DESCRIPTIONS

This Attachment is to be completed if more than one (1) point of diversion is described on an Application or Declaration.

a. Is this a: <input type="checkbox"/> Move-From Point of Diversion(s) OR <input type="checkbox"/> Move-To/New Point of Diversion(s)			b. Information on Attachment(s): Number of points of diversion involved in the application: _____ Total number of pages attached to the application: <u>1</u>		
<input type="checkbox"/> Surface Point of Diversion OR <input checked="" type="checkbox"/> Well					
Name of ditch, acequia, or spring:					
Stream or water course:					
Tributary of:					
c. Location (Required): Required: Move to/New POD location coordinate(s) must be either New Mexico State Plane (NAD 83), UTM (NAD 83), or Lat/Long (WGS84)					
NM State Plane (NAD83) (feet) <input type="checkbox"/> NM West Zone <input type="checkbox"/> NM Central Zone <input type="checkbox"/> NM East Zone	UTM (NAD83) (meters) Zone 13N <input type="checkbox"/> Zone 12N <input type="checkbox"/>	<input checked="" type="checkbox"/> Lat/Long- (WGS84) 1/10 th of second	OTHER (allowable only for move-from descriptions - see application form for format) <input type="checkbox"/> PLSS (quarters, section, township, range) <input type="checkbox"/> Hydrographic Survey, Map & Tract <input type="checkbox"/> Lot, Block & Subdivision <input type="checkbox"/> Grant	Well Depth (in feet) *Required on new wells	Casing outside diameter (in inches) *Required on new wells
POD Number: TMW-1	X or Longitude -103.670887	Y or Latitude 32.575797	Other Location Description: F-16-20S-33E	40'	2"
POD Number: TMW-2	X or Longitude -103.671544	Y or Latitude 32.574782	Other Location Description: F-16-20S-33E	40'	2"
POD Number: TMW-3	X or Longitude -103.670945	Y or Latitude 32.574380	Other Location Description: F-16-20S-33E	40'	2"
POD Number: TMW-4	X or Longitude -103.670040	Y or Latitude 32.574816	Other Location Description: F-16-20S-33E	40'	2"
POD Number:	X or Longitude	Y or Latitude	Other Location Description:		
POD Number:	X or Longitude	Y or Latitude	Other Location Description:		
POD Number:	X or Longitude	Y or Latitude	Other Location Description:		
POD Number:	X or Longitude	Y or Latitude	Other Location Description:		
POD Number:	X or Longitude	Y or Latitude	Other Location Description:		

FOR OSE INTERNAL USE

OSE DIT ROSWELL NM
20 FEB '25 AM 10:46
Form WR-08 Version 07/16/2024
POD DESCRIPTIONS - ATTACHMENT 1

File Number:	Trn Number:
Trans Description (optional):	

Appendix C

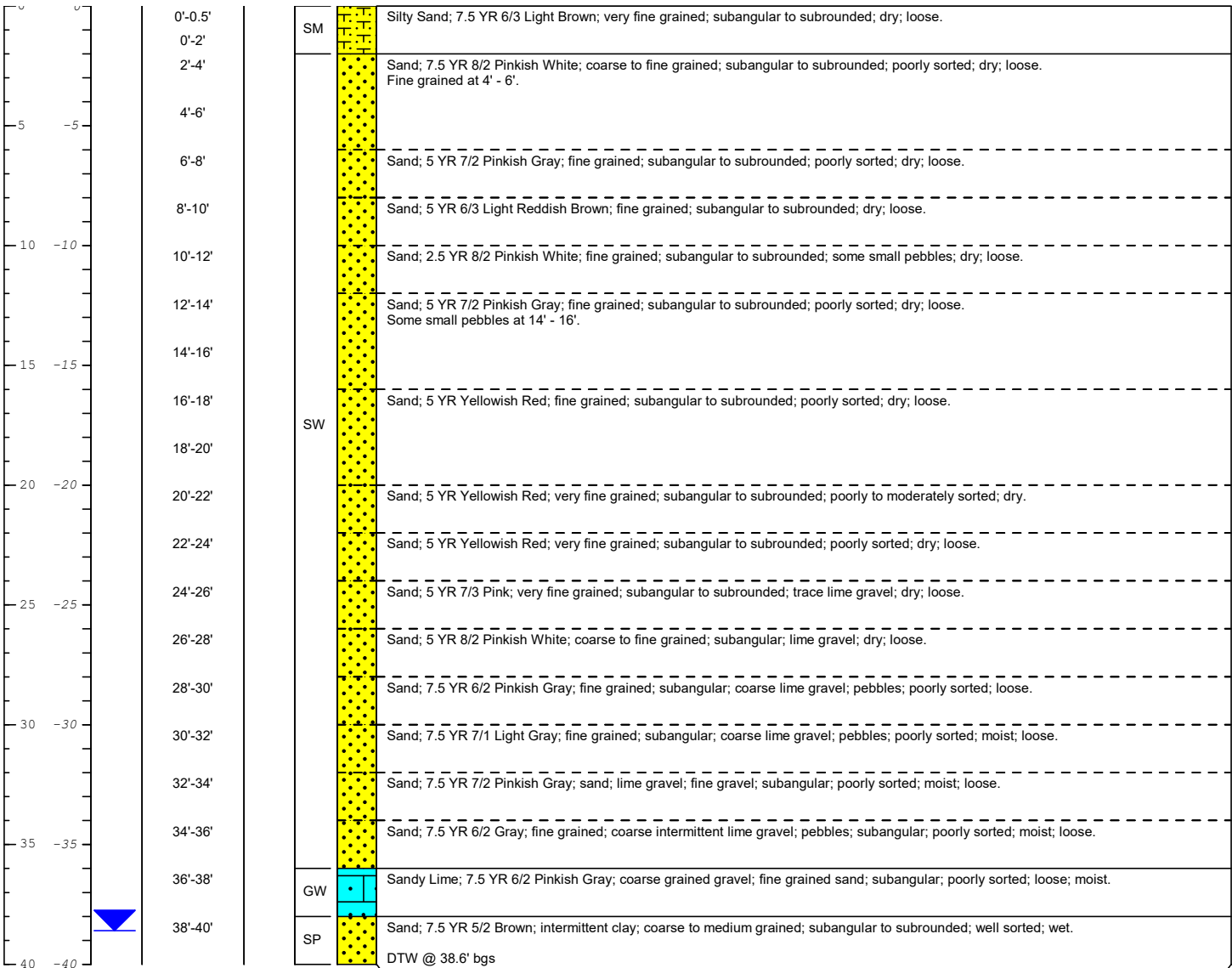
Soil Boring Logs

Drilling Company: HCI
Driller's Name: Kenny
Drilling Method: Air Rotary
Sampling Method: Grab
Rig Type: Air Rotary

Latitude: 32.575757°
Longitude: -103.670887°
Casing Elevation: N/A
Borehole Depth: 40' bgs
Surface Elevation: N/A
Descriptions By: Chris Payton

Well/Boring ID: TMW-1
Client: Chevron Environmental Management Company
Location: Lea County, New Mexico

Depth	Water Level (bgs)	Sample/Int/Type	PID	USCS Code	Geologic Column	Stratigraphic Description
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Remarks:

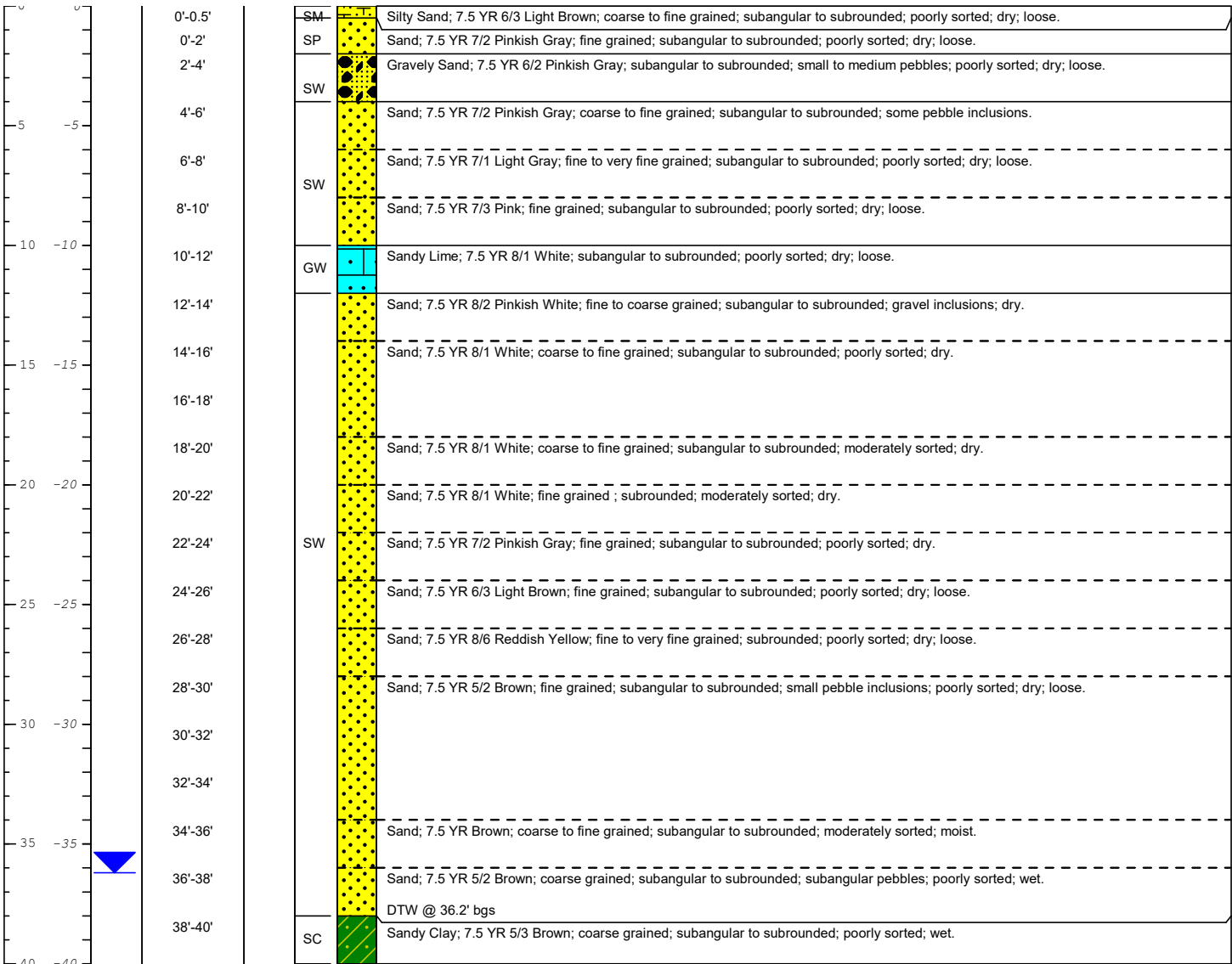
1. bgs = Below ground surface
2. ' = foot
3. DTW = Depth to water

Drilling Company: HCl
Driller's Name: Kenny
Drilling Method: Air Rotary
Sampling Method: Grab
Rig Type: Air Rotary

Latitude: 32.574931°
Longitude: -103.671560°
Casing Elevation: N/A
Borehole Depth: 40' bgs
Surface Elevation: N/A
Descriptions By: Chris Payton

Well/Boring ID: TMW-2
Client: Chevron Environmental Management Company
Location: Lea County, New Mexico

Depth	Water Level (bgs)	Sample/Int/Type	PID	USCS Code	Geologic Column	Stratigraphic Description
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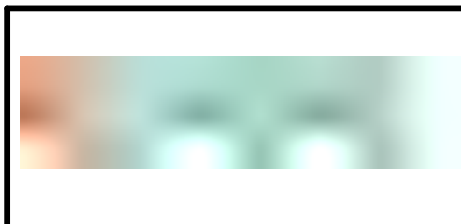
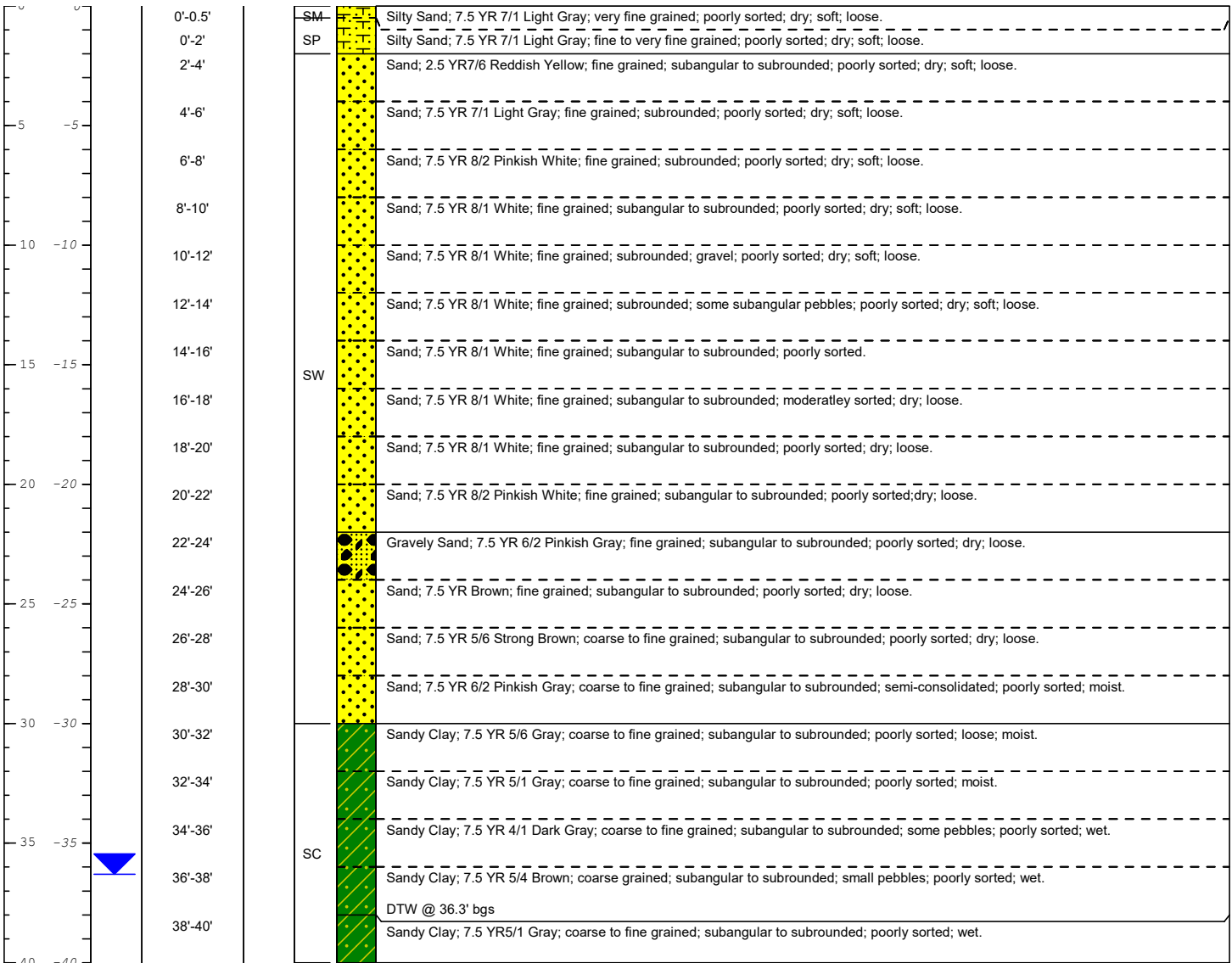
	<p>Remarks:</p> <ol style="list-style-type: none"> 1. bgs = Below ground surface 2. ' = foot 3. DTW = Depth to water
--	--

Drilling Company: HCI
Driller's Name: Kenny
Drilling Method: Air Rotary
Sampling Method: Grab
Rig Type: Air Rotary

Latitude: 32.574196°
Longitude: -103.670934°
Casing Elevation: N/A
Borehole Depth: 40' bgs
Surface Elevation: N/A
Descriptions By: Chris Payton

Well/Boring ID: TMW-3
Client: Chevron Environmental Management Company
Location: Lea County, New Mexico

Depth	Water Level (bgs)	Sample/Int/Type	PID	USCS Code	Geologic Column	Stratigraphic Description
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Remarks:

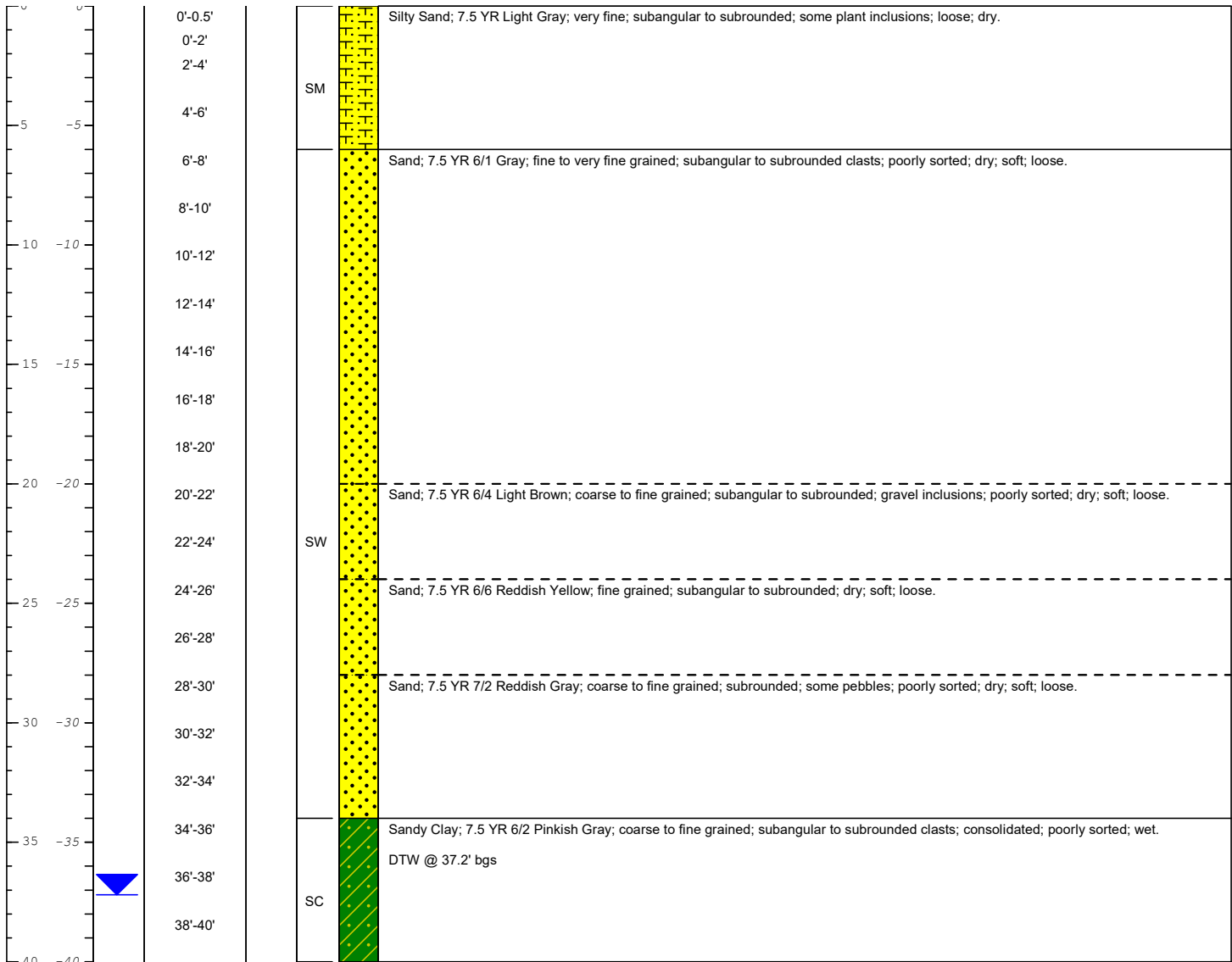
1. bgs = Below ground surface
2. ' = foot
3. DTW = Depth to water

Drilling Company: HCl
Driller's Name: Kenny
Drilling Method: Air Rotary
Sampling Method: Grab
Rig Type: Air Rotary

Latitude: 32.574777°
Longitude: -103.670042°
Casing Elevation: N/A
Borehole Depth: 40' bgs
Surface Elevation: N/A
Descriptions By: Chris Payton

Well/Boring ID: TMW-4
Client: Chevron Environmental Management Company
Location: Lea County, New Mexico

Depth	Water Level (bgs)	Sample/Int/Type	PID	USCS Code	Geologic Column	Stratigraphic Description
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Remarks:

1. bgs = Below ground surface
2. ' = foot
3. DTW = Depth to water

Appendix D

Soil Analytical Report



ANALYTICAL REPORT

April 30, 2025

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Arcadis - Chevron - NM

Sample Delivery Group: L1849660
 Samples Received: 04/18/2025
 Project Number: 30195192
 Description: WTU 622
 Site: WTU 622
 Report To: Sarah Johnson
 1004 N Big Spring Street
 Suite 121
 Midland, TX 79701

Entire Report Reviewed By:

Katie Ingram
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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Tc: Table of Contents 2

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Cn: Case Narrative 18

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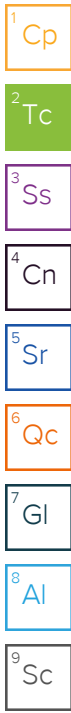
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1 Cp

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4 Cn

5 Sr

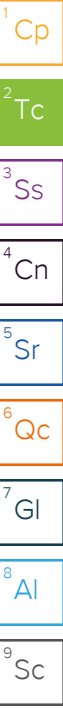
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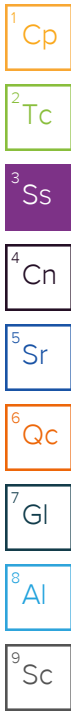
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TMW-1-S-0-.5-20250416 L1849660-01 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 09:01
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497567	1	04/23/25 10:21	04/23/25 10:34	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497635	1	04/23/25 10:49	04/24/25 14:33	DLH	Mt. Juliet, TN



TMW-1-S-0-2-20250416 L1849660-02 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 09:03
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497568	1	04/23/25 10:08	04/23/25 10:19	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497635	1	04/23/25 10:49	04/24/25 14:49	DLH	Mt. Juliet, TN

TMW-1-S-2-4-20250416 L1849660-03 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 09:05
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497568	1	04/23/25 10:08	04/23/25 10:19	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497635	5.1	04/23/25 10:49	04/24/25 15:06	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499160	1	04/23/25 17:51	04/24/25 17:05	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498974	1	04/24/25 16:11	04/25/25 10:29	SGB	Mt. Juliet, TN

TMW-1-S-4-6-20250416 L1849660-04 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 09:07
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497568	1	04/23/25 10:08	04/23/25 10:19	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497635	1.03	04/23/25 10:49	04/24/25 15:22	DLH	Mt. Juliet, TN

TMW-1-S-6-8-20250416 L1849660-05 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 09:09
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497568	1	04/23/25 10:08	04/23/25 10:19	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497635	5.2	04/23/25 10:49	04/24/25 15:38	DLH	Mt. Juliet, TN

TMW-1-S-8-10-20250416 L1849660-06 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 09:11
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497568	1	04/23/25 10:08	04/23/25 10:19	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497635	1.01	04/23/25 10:49	04/24/25 15:55	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499160	1	04/23/25 17:51	04/24/25 17:28	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498974	1	04/24/25 16:11	04/25/25 10:43	SGB	Mt. Juliet, TN

TMW-1-S-10-12-20250416 L1849660-07 Solid

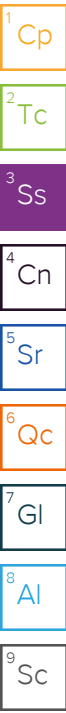
Collected by Chris Payton
 Collected date/time 04/16/25 09:13
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497568	1	04/23/25 10:08	04/23/25 10:19	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497635	5	04/23/25 10:49	04/24/25 16:11	DLH	Mt. Juliet, TN

TMW-1-S-12-14-20250416 L1849660-08 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 09:15
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497568	1	04/23/25 10:08	04/23/25 10:19	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497635	5	04/23/25 10:49	04/24/25 16:44	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499376	1	04/23/25 17:51	04/25/25 13:47	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498974	1	04/24/25 16:11	04/25/25 10:58	SGB	Mt. Juliet, TN



TMW-1-S-14-16-20250416 L1849660-09 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 09:17
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497568	1	04/23/25 10:08	04/23/25 10:19	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497635	5.2	04/23/25 10:49	04/24/25 17:00	DLH	Mt. Juliet, TN

TMW-1-S-16-18-20250416 L1849660-10 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 09:19
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497568	1	04/23/25 10:08	04/23/25 10:19	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497635	5.1	04/23/25 10:49	04/24/25 17:17	DLH	Mt. Juliet, TN

TMW-1-S-18-20-20250416 L1849660-11 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 09:21
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497568	1	04/23/25 10:08	04/23/25 10:19	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497635	1.01	04/23/25 10:49	04/24/25 18:06	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499160	1	04/23/25 17:51	04/24/25 18:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498974	1	04/24/25 16:11	04/25/25 11:12	SGB	Mt. Juliet, TN

TMW-1-S-20-22-20250416 L1849660-12 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 09:23
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497569	1	04/23/25 09:57	04/23/25 10:06	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497635	1	04/23/25 10:49	04/24/25 18:22	DLH	Mt. Juliet, TN

TMW-1-S-22-24-20250416 L1849660-13 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 09:25
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497569	1	04/23/25 09:57	04/23/25 10:06	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497635	1.03	04/23/25 10:49	04/24/25 18:38	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499160	1	04/23/25 17:51	04/24/25 18:39	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498974	1	04/24/25 16:11	04/25/25 11:39	SGB	Mt. Juliet, TN

TMW-1-S-24-26-20250416 L1849660-14 Solid

Collected by Chris Payton Collected date/time 04/16/25 09:27 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.



TMW-1-S-26-28-20250416 L1849660-15 Solid

Collected by Chris Payton Collected date/time 04/16/25 09:29 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.



TMW-1-S-28-30-20250416 L1849660-16 Solid

Collected by Chris Payton Collected date/time 04/16/25 09:31 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011, Wet Chemistry by Method 300.0, Volatile Organic Compounds (GC) by Method 8015/8021, and Semi-Volatile Organic Compounds (GC) by Method 8015M.



TMW-1-S-30-32-20250416 L1849660-17 Solid

Collected by Chris Payton Collected date/time 04/16/25 09:33 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.

TMW-1-S-32-34-20250416 L1849660-18 Solid

Collected by Chris Payton Collected date/time 04/16/25 09:35 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011, Wet Chemistry by Method 300.0, Volatile Organic Compounds (GC) by Method 8015/8021, and Semi-Volatile Organic Compounds (GC) by Method 8015M.

TMW-1-S-34-36-20250416 L1849660-19 Solid

Collected by Chris Payton Collected date/time 04/16/25 09:37 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.

TMW-1-S-36-38-20250416 L1849660-20 Solid

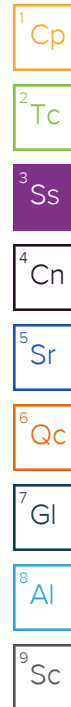
Collected by Chris Payton Collected date/time 04/16/25 09:39 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.

TMW-1-S-38-40-20250416 L1849660-21 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 09:41
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497569	1	04/23/25 09:57	04/23/25 10:06	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	5	04/23/25 10:30	04/24/25 05:59	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499160	1	04/23/25 17:51	04/24/25 19:50	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498974	1	04/24/25 16:11	04/25/25 12:21	SGB	Mt. Juliet, TN



TMW-2-S-0-5-20250416 L1849660-22 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:00
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497570	1	04/23/25 14:33	04/23/25 14:41	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	1	04/23/25 10:30	04/24/25 06:15	DLH	Mt. Juliet, TN

TMW-2-S-0-2-20250416 L1849660-23 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:02
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497570	1	04/23/25 14:33	04/23/25 14:41	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	1.05	04/23/25 10:30	04/24/25 06:32	DLH	Mt. Juliet, TN

TMW-2-S-2-4-20250416 L1849660-24 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:04
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497570	1	04/23/25 14:33	04/23/25 14:41	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	1.03	04/23/25 10:30	04/24/25 06:48	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499160	1	04/23/25 17:51	04/24/25 20:14	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498974	1	04/24/25 16:11	04/25/25 12:35	SGB	Mt. Juliet, TN

TMW-2-S-4-6-20250416 L1849660-25 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:06
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497570	1	04/23/25 14:33	04/23/25 14:41	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	5.1	04/23/25 10:30	04/24/25 07:04	DLH	Mt. Juliet, TN

TMW-2-S-6-8-20250416 L1849660-26 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:08
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497570	1	04/23/25 14:33	04/23/25 14:41	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	1.02	04/23/25 10:30	04/24/25 07:15	DLH	Mt. Juliet, TN

TMW-2-S-8-10-20250416 L1849660-27 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:10
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497570	1	04/23/25 14:33	04/23/25 14:41	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	1	04/23/25 10:30	04/24/25 07:25	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499160	1	04/23/25 17:51	04/24/25 20:38	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498974	1	04/24/25 16:11	04/25/25 12:50	SGB	Mt. Juliet, TN

TMW-2-S-10-12-20250416 L1849660-28 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:12
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497570	1	04/23/25 14:33	04/23/25 14:41	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	5.05	04/23/25 10:30	04/24/25 07:45	DLH	Mt. Juliet, TN

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

TMW-2-S-12-14-20250416 L1849660-29 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:14
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497570	1	04/23/25 14:33	04/23/25 14:41	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	5	04/23/25 10:30	04/24/25 07:56	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499160	1	04/23/25 17:51	04/24/25 21:01	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 14:30	JAS	Mt. Juliet, TN

TMW-2-S-14-16-20250416 L1849660-30 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:16
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497570	1	04/23/25 14:33	04/23/25 14:41	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	5	04/23/25 10:30	04/24/25 08:06	DLH	Mt. Juliet, TN

TMW-2-S-16-18-20250416 L1849660-31 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:18
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497570	1	04/23/25 14:33	04/23/25 14:41	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	5	04/23/25 10:30	04/24/25 08:37	DLH	Mt. Juliet, TN

TMW-2-S-18-20-20250416 L1849660-32 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:20
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497571	1	04/23/25 12:38	04/23/25 12:48	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	1	04/23/25 10:30	04/24/25 08:47	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499160	1	04/23/25 17:51	04/24/25 21:25	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 14:30	JAS	Mt. Juliet, TN

TMW-2-S-20-22-20250416 L1849660-33 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:22
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497571	1	04/23/25 12:38	04/23/25 12:48	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	5.05	04/23/25 10:30	04/24/25 08:57	DLH	Mt. Juliet, TN

TMW-2-S-22-24-20250416 L1849660-34 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:24
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497571	1	04/23/25 12:38	04/23/25 12:48	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497638	1	04/23/25 10:30	04/24/25 09:10	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2500326	1	04/23/25 17:51	04/26/25 01:57	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 14:18	JAS	Mt. Juliet, TN

TMW-2-S-24-26-20250416 L1849660-35 Solid

Collected by Chris Payton Collected date/time 04/16/25 10:26 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.



TMW-2-S-26-28-20250416 L1849660-36 Solid

Collected by Chris Payton Collected date/time 04/16/25 10:28 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.



TMW-2-S-28-30-20250416 L1849660-37 Solid

Collected by Chris Payton Collected date/time 04/16/25 10:30 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011, Wet Chemistry by Method 300.0, Volatile Organic Compounds (GC) by Method 8015/8021, and Semi-Volatile Organic Compounds (GC) by Method 8015M.



TMW-2-S-30-32-20250416 L1849660-38 Solid

Collected by Chris Payton Collected date/time 04/16/25 10:32 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.

TMW-2-S-32-34-20250416 L1849660-39 Solid

Collected by Chris Payton Collected date/time 04/16/25 10:34 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011, Wet Chemistry by Method 300.0, Volatile Organic Compounds (GC) by Method 8015/8021, and Semi-Volatile Organic Compounds (GC) by Method 8015M.

TMW-2-S-34-36-20250416 L1849660-40 Solid

Collected by Chris Payton Collected date/time 04/16/25 10:36 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.

TMW-2-S-36-38-20250416 L1849660-41 Solid

Collected by Chris Payton Collected date/time 04/16/25 10:38 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.

TMW-2-S-38-40-20250416 L1849660-42 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 10:40
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497572	1	04/23/25 12:29	04/23/25 12:37	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1	04/23/25 08:42	04/24/25 22:48	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499376	1	04/23/25 17:51	04/25/25 14:54	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 14:43	JAS	Mt. Juliet, TN

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

TMW-3-S-0-5-20250416 L1849660-43 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:00
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497572	1	04/23/25 12:29	04/23/25 12:37	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1.03	04/23/25 08:42	04/24/25 22:58	DLH	Mt. Juliet, TN

TMW-3-S-0-2-20250416 L1849660-44 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:02
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497572	1	04/23/25 12:29	04/23/25 12:37	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1	04/23/25 08:42	04/24/25 23:08	DLH	Mt. Juliet, TN

TMW-3-S-2-4-20250416 L1849660-45 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:04
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497572	1	04/23/25 12:29	04/23/25 12:37	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1.02	04/23/25 08:42	04/24/25 23:19	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499376	1	04/23/25 17:51	04/25/25 15:17	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 14:55	JAS	Mt. Juliet, TN

TMW-3-S-4-6-20250416 L1849660-46 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:06
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497572	1	04/23/25 12:29	04/23/25 12:37	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1.01	04/23/25 08:42	04/24/25 23:33	DLH	Mt. Juliet, TN

TMW-3-S-6-8-20250416 L1849660-47 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:08
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497572	1	04/23/25 12:29	04/23/25 12:37	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2501032	1.02	04/28/25 12:22	04/28/25 14:39	DLH	Mt. Juliet, TN

TMW-3-S-8-10-20250416 L1849660-48 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:10
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497572	1	04/23/25 12:29	04/23/25 12:37	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	5	04/23/25 08:42	04/25/25 00:22	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499376	1	04/23/25 17:51	04/25/25 15:39	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 14:55	JAS	Mt. Juliet, TN

TMW-3-S-10-12-20250416 L1849660-49 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:12
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497572	1	04/23/25 12:29	04/23/25 12:37	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1	04/23/25 08:42	04/25/25 00:38	DLH	Mt. Juliet, TN

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

TMW-3-S-12-14-20250416 L1849660-50 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:14
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497572	1	04/23/25 12:29	04/23/25 12:37	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	5.1	04/23/25 08:42	04/25/25 00:55	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499376	1	04/23/25 17:51	04/25/25 16:01	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 15:33	JAS	Mt. Juliet, TN

TMW-3-S-14-16-20250416 L1849660-51 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:16
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497572	1	04/23/25 12:29	04/23/25 12:37	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1	04/23/25 08:42	04/25/25 01:44	DLH	Mt. Juliet, TN

TMW-3-S-16-18-20250416 L1849660-52 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:18
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497573	1	04/23/25 10:51	04/23/25 11:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	5.1	04/23/25 08:42	04/25/25 02:00	DLH	Mt. Juliet, TN

TMW-3-S-18-20-20250416 L1849660-53 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:20
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497573	1	04/23/25 10:51	04/23/25 11:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1.04	04/23/25 08:42	04/25/25 02:16	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499376	1	04/23/25 17:51	04/25/25 16:24	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 15:08	JAS	Mt. Juliet, TN

TMW-3-S-20-22-20250416 L1849660-54 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:22
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497573	1	04/23/25 10:51	04/23/25 11:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1	04/23/25 08:42	04/25/25 02:33	DLH	Mt. Juliet, TN

TMW-3-S-22-24-20250416 L1849660-55 Solid

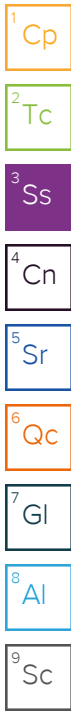
Collected by Chris Payton
 Collected date/time 04/16/25 11:24
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497573	1	04/23/25 10:51	04/23/25 11:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1	04/23/25 08:42	04/25/25 02:49	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499376	1	04/23/25 23:55	04/25/25 16:46	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 15:46	JAS	Mt. Juliet, TN

TMW-3-S-24-26-20250416 L1849660-56 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:26
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497573	1	04/23/25 10:51	04/23/25 11:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1.03	04/23/25 08:42	04/25/25 03:06	DLH	Mt. Juliet, TN



TMW-3-S-26-28-20250416 L1849660-57 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:28
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497573	1	04/23/25 10:51	04/23/25 11:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1	04/23/25 08:42	04/25/25 03:22	DLH	Mt. Juliet, TN

TMW-3-S-28-30-20250416 L1849660-58 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:30
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497573	1	04/23/25 10:51	04/23/25 11:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1.02	04/23/25 08:42	04/25/25 04:27	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499376	1	04/23/25 23:55	04/25/25 17:09	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 15:20	JAS	Mt. Juliet, TN

TMW-3-S-30-32-20250416 L1849660-59 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:32
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497573	1	04/23/25 10:51	04/23/25 11:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1	04/23/25 08:42	04/25/25 04:44	DLH	Mt. Juliet, TN

TMW-3-S-32-34-20250416 L1849660-60 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:34
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497573	1	04/23/25 10:51	04/23/25 11:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2497639	1.01	04/23/25 08:42	04/25/25 05:00	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2500326	1	04/23/25 23:55	04/26/25 02:19	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 14:05	JAS	Mt. Juliet, TN

TMW-3-S-34-36-20250416 L1849660-61 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:36
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497573	1	04/23/25 10:51	04/23/25 11:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2500599	1	04/26/25 12:57	04/27/25 16:33	DLH	Mt. Juliet, TN

TMW-3-S-36-38-20250416 L1849660-62 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:38
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497574	1	04/23/25 10:35	04/23/25 10:49	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2500599	1	04/26/25 12:57	04/27/25 16:54	DLH	Mt. Juliet, TN

TMW-3-S-38-40-20250416 L1849660-63 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 11:40
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497574	1	04/23/25 10:35	04/23/25 10:49	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2500599	1	04/26/25 12:57	04/27/25 17:04	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2500326	1	04/23/25 23:55	04/26/25 02:42	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 15:33	JAS	Mt. Juliet, TN

1 Cp
 2 Tc
 3 Ss
 4 Cn
 5 Sr
 6 Qc
 7 Gl
 8 Al
 9 Sc

TMW-4-S-0-5-20250416 L1849660-64 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 12:00
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497574	1	04/23/25 10:35	04/23/25 10:49	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2500599	1.01	04/26/25 12:57	04/27/25 17:14	DLH	Mt. Juliet, TN

TMW-4-S-0-2-20250416 L1849660-65 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 12:02
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497574	1	04/23/25 10:35	04/23/25 10:49	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2500599	1	04/26/25 12:57	04/27/25 17:25	DLH	Mt. Juliet, TN

TMW-4-S-2-4-20250416 L1849660-66 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 12:04
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497574	1	04/23/25 10:35	04/23/25 10:49	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2500599	1	04/26/25 12:57	04/27/25 17:35	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2500326	1	04/23/25 23:55	04/26/25 03:04	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 15:46	JAS	Mt. Juliet, TN

TMW-4-S-4-6-20250416 L1849660-67 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 12:06
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497574	1	04/23/25 10:35	04/23/25 10:49	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2500599	1.01	04/26/25 12:57	04/27/25 17:45	DLH	Mt. Juliet, TN

TMW-4-S-6-8-20250416 L1849660-68 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 12:08
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497574	1	04/23/25 10:35	04/23/25 10:49	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2500599	1	04/26/25 12:57	04/27/25 17:56	DLH	Mt. Juliet, TN

TMW-4-S-8-10-20250416 L1849660-69 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 12:10
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497574	1	04/23/25 10:35	04/23/25 10:49	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2500599	5	04/26/25 12:57	04/27/25 18:08	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2500326	1	04/23/25 23:55	04/26/25 03:27	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 13:40	JAS	Mt. Juliet, TN

TMW-4-S-10-12-20250416 L1849660-70 Solid

Collected by Chris Payton Collected date/time 04/16/25 12:12 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.



TMW-4-S-12-14-20250416 L1849660-71 Solid

Collected by Chris Payton Collected date/time 04/16/25 12:14 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011, Wet Chemistry by Method 300.0, Volatile Organic Compounds (GC) by Method 8015/8021, and Semi-Volatile Organic Compounds (GC) by Method 8015M.

TMW-4-S-14-16-20250416 L1849660-72 Solid

Collected by Chris Payton Collected date/time 04/16/25 12:16 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.

TMW-4-S-16-18-20250416 L1849660-73 Solid

Collected by Chris Payton Collected date/time 04/16/25 12:18 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.

TMW-4-S-18-20-20250416 L1849660-74 Solid

Collected by Chris Payton Collected date/time 04/16/25 12:20 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011, Wet Chemistry by Method 300.0, Volatile Organic Compounds (GC) by Method 8015/8021, and Semi-Volatile Organic Compounds (GC) by Method 8015M.

TMW-4-S-20-22-20250416 L1849660-75 Solid

Collected by Chris Payton Collected date/time 04/16/25 12:22 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011 and Wet Chemistry by Method 300.0.

TMW-4-S-22-24-20250416 L1849660-76 Solid

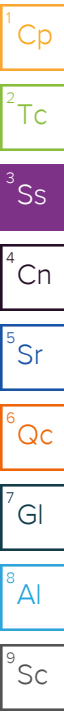
Collected by Chris Payton Collected date/time 04/16/25 12:24 Received date/time 04/18/25 08:45

Table with 7 columns: Method, Batch, Dilution, Preparation date/time, Analysis date/time, Analyst, Location. Rows include Total Solids by Method 2540 G-2011, Wet Chemistry by Method 300.0, Volatile Organic Compounds (GC) by Method 8015/8021, and Semi-Volatile Organic Compounds (GC) by Method 8015M.

TMW-4-S-24-26-20250416 L1849660-77 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 12:26
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497575	1	04/23/25 12:19	04/23/25 12:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2500599	1.01	04/26/25 12:57	04/27/25 20:52	DLH	Mt. Juliet, TN



TMW-4-S-26-28-20250416 L1849660-78 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 12:28
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497575	1	04/23/25 12:19	04/23/25 12:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2500599	1	04/26/25 12:57	04/27/25 21:08	DLH	Mt. Juliet, TN

TMW-4-S-28-30-20250416 L1849660-79 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 12:30
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497575	1	04/23/25 12:19	04/23/25 12:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2500599	5	04/26/25 12:57	04/27/25 21:24	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2500326	1	04/23/25 23:55	04/26/25 04:56	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498975	1	04/25/25 06:49	04/25/25 14:05	JAS	Mt. Juliet, TN

TMW-4-S-30-32-20250416 L1849660-80 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 12:32
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497575	1	04/23/25 12:19	04/23/25 12:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2500599	5.05	04/26/25 12:57	04/27/25 21:41	DLH	Mt. Juliet, TN

TMW-4-S-32-34-20250416 L1849660-81 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 12:34
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497575	1	04/23/25 12:19	04/23/25 12:26	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2498051	5	04/25/25 09:05	04/25/25 13:04	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2500326	1	04/23/25 23:55	04/26/25 05:19	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498976	1	04/25/25 09:23	04/25/25 18:05	SGB	Mt. Juliet, TN

TMW-4-S-34-36-20250416 L1849660-82 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 12:36
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497576	1	04/23/25 12:03	04/23/25 12:16	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2498051	1	04/25/25 09:05	04/25/25 13:18	ZSA	Mt. Juliet, TN

TMW-4-S-36-38-20250416 L1849660-83 Solid

Collected by Chris Payton
 Collected date/time 04/16/25 12:38
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497576	1	04/23/25 12:03	04/23/25 12:16	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2498051	1	04/25/25 09:05	04/25/25 13:31	ZSA	Mt. Juliet, TN

SAMPLE SUMMARY

TMW-4-S-38-40-20250416 L1849660-84 Solid

Collected by: Chris Payton
Collected date/time: 04/16/25 12:40
Received date/time: 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2497576	1	04/23/25 12:03	04/23/25 12:16	CMB	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2498051	1	04/25/25 09:05	04/25/25 13:45	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG2500326	1	04/23/25 23:55	04/26/25 05:41	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2498976	1	04/25/25 09:23	04/25/25 18:19	SGB	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Katie Ingram
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Collected date/time: 04/16/25 09:01

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.6		1	04/23/2025 10:34	WG2497567

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	U		8.51	26.8	1	04/24/2025 14:33	WG2497635

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 09:03

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.9		1	04/23/2025 10:19	WG2497568

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	28.9		6.91	21.8	1	04/24/2025 14:49	WG2497635

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 15-24-20250416
 Collected date/time: 04/16/25 09:05

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.1		1	04/23/2025 10:19	WG2497568

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1880		36.8	116	5.1	04/24/2025 15:06	WG2497635

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000136	0.000567	1	04/24/2025 17:05	WG2499160
Toluene	U		0.000170	0.00567	1	04/24/2025 17:05	WG2499160
Ethylbenzene	U		0.000125	0.000567	1	04/24/2025 17:05	WG2499160
Total Xylene	U		0.000522	0.00170	1	04/24/2025 17:05	WG2499160
TPH (GC/FID) Low Fraction	U		0.0246	0.113	1	04/24/2025 17:05	WG2499160
(S) a,a,a-Trifluorotoluene(FID)	98.6			77.0-120		04/24/2025 17:05	WG2499160
(S) a,a,a-Trifluorotoluene(PID)	103			72.0-128		04/24/2025 17:05	WG2499160

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.27	J	1.83	4.54	1	04/25/2025 10:29	WG2498974
C28-C36 Motor Oil Range	6.80		0.311	4.54	1	04/25/2025 10:29	WG2498974
(S) o-Terphenyl	44.4			18.0-148		04/25/2025 10:29	WG2498974

Collected date/time: 04/16/25 09:07

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.2		1	04/23/2025 10:19	WG2497568

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	500		7.33	23.1	1.03	04/24/2025 15:22	WG2497635

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 09:09

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.6		1	04/23/2025 10:19	WG2497568

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1610		35.6	112	5.2	04/24/2025 15:38	WG2497635

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.1		1	04/23/2025 10:19	WG2497568

Wet Chemistry by Method 300.0

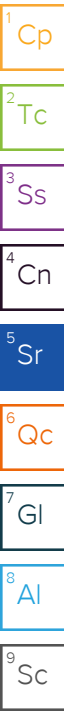
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	241		7.90	24.9	1.01	04/24/2025 15:55	WG2497635

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.00712		0.000148	0.000616	1	04/24/2025 17:28	WG2499160
Toluene	0.00691		0.000185	0.00616	1	04/24/2025 17:28	WG2499160
Ethylbenzene	0.00637		0.000136	0.000616	1	04/24/2025 17:28	WG2499160
Total Xylene	0.0216		0.000567	0.00185	1	04/24/2025 17:28	WG2499160
TPH (GC/FID) Low Fraction	0.0974	BJ	0.0267	0.123	1	04/24/2025 17:28	WG2499160
(S) a,a,a-Trifluorotoluene(FID)	98.6			77.0-120		04/24/2025 17:28	WG2499160
(S) a,a,a-Trifluorotoluene(PID)	103			72.0-128		04/24/2025 17:28	WG2499160

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.98	4.93	1	04/25/2025 10:43	WG2498974
C28-C36 Motor Oil Range	U		0.338	4.93	1	04/25/2025 10:43	WG2498974
(S) o-Terphenyl	50.3			18.0-148		04/25/2025 10:43	WG2498974



Collected date/time: 04/16/25 09:13

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.3		1	04/23/2025 10:19	WG2497568

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	2230		38.6	122	5	04/24/2025 16:11	WG2497635

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Collected date/time: 04/16/25 09:15

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.6		1	04/23/2025 10:19	WG2497568

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	2130		36.7	115	5	04/24/2025 16:44	WG2497635

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000139	0.000577	1	04/25/2025 13:47	WG2499376
Toluene	U		0.000173	0.00577	1	04/25/2025 13:47	WG2499376
Ethylbenzene	U		0.000127	0.000577	1	04/25/2025 13:47	WG2499376
Total Xylene	U		0.000531	0.00173	1	04/25/2025 13:47	WG2499376
TPH (GC/FID) Low Fraction	0.0485	<u>BJ</u>	0.0251	0.115	1	04/25/2025 13:47	WG2499376
(S) a,a,a-Trifluorotoluene(FID)	97.8			77.0-120		04/25/2025 13:47	WG2499376
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/25/2025 13:47	WG2499376

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.86	4.62	1	04/25/2025 10:58	WG2498974
C28-C36 Motor Oil Range	0.507	<u>J</u>	0.316	4.62	1	04/25/2025 10:58	WG2498974
(S) o-Terphenyl	46.8			18.0-148		04/25/2025 10:58	WG2498974

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	04/23/2025 10:19	WG2497568

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1830		38.8	122	5.2	04/24/2025 17:00	WG2497635

Collected date/time: 04/16/25 09:19

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.1		1	04/23/2025 10:19	WG2497568

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1490		36.8	116	5.1	04/24/2025 17:17	WG2497635

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 09:21

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.7		1	04/23/2025 10:19	WG2497568

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	616		8.70	27.4	1.01	04/24/2025 18:06	WG2497635

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.00871		0.000163	0.000679	1	04/24/2025 18:16	WG2499160
Toluene	0.0551		0.000204	0.00679	1	04/24/2025 18:16	WG2499160
Ethylbenzene	0.0126		0.000149	0.000679	1	04/24/2025 18:16	WG2499160
Total Xylene	0.0676		0.000624	0.00204	1	04/24/2025 18:16	WG2499160
TPH (GC/FID) Low Fraction	0.662		0.0295	0.136	1	04/24/2025 18:16	WG2499160
(S) a,a,a-Trifluorotoluene(FID)	97.1			77.0-120		04/24/2025 18:16	WG2499160
(S) a,a,a-Trifluorotoluene(PID)	102			72.0-128		04/24/2025 18:16	WG2499160

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		2.19	5.43	1	04/25/2025 11:12	WG2498974
C28-C36 Motor Oil Range	U		0.372	5.43	1	04/25/2025 11:12	WG2498974
(S) o-Terphenyl	47.7			18.0-148		04/25/2025 11:12	WG2498974

Collected date/time: 04/16/25 09:23

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.5		1	04/23/2025 10:06	WG2497569

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	219		7.10	22.4	1	04/24/2025 18:22	WG2497635

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Collected date/time: 04/16/25 09:25

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.2		1	04/23/2025 10:06	WG2497569

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	276		8.47	26.7	1.03	04/24/2025 18:38	WG2497635

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000155	0.000647	1	04/24/2025 18:39	WG2499160
Toluene	0.000436	B J	0.000194	0.00647	1	04/24/2025 18:39	WG2499160
Ethylbenzene	U		0.000142	0.000647	1	04/24/2025 18:39	WG2499160
Total Xylene	U		0.000596	0.00194	1	04/24/2025 18:39	WG2499160
TPH (GC/FID) Low Fraction	0.0584	B J	0.0281	0.129	1	04/24/2025 18:39	WG2499160
(S) a,a,a-Trifluorotoluene(FID)	98.3			77.0-120		04/24/2025 18:39	WG2499160
(S) a,a,a-Trifluorotoluene(PID)	103			72.0-128		04/24/2025 18:39	WG2499160

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		2.08	5.18	1	04/25/2025 11:39	WG2498974
C28-C36 Motor Oil Range	U		0.355	5.18	1	04/25/2025 11:39	WG2498974
(S) o-Terphenyl	53.2			18.0-148		04/25/2025 11:39	WG2498974

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Collected date/time: 04/16/25 09:27

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	04/23/2025 10:06	WG2497569

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1110		37.1	117	5.15	04/24/2025 18:55	WG2497635

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 09:29

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.1		1	04/23/2025 10:06	WG2497569

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	2340		38.5	121	5.1	04/24/2025 19:11	WG2497635

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 09:31

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	71.9		1	04/23/2025 10:06	WG2497569

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	3200		45.9	145	5.2	04/24/2025 19:27	WG2497635

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000167	0.000695	1	04/24/2025 19:03	WG2499160
Toluene	0.000220	B J	0.000209	0.00695	1	04/24/2025 19:03	WG2499160
Ethylbenzene	U		0.000153	0.000695	1	04/24/2025 19:03	WG2499160
Total Xylene	U		0.000640	0.00209	1	04/24/2025 19:03	WG2499160
TPH (GC/FID) Low Fraction	U		0.0302	0.139	1	04/24/2025 19:03	WG2499160
(S) a,a,a-Trifluorotoluene(FID)	98.5			77.0-120		04/24/2025 19:03	WG2499160
(S) a,a,a-Trifluorotoluene(PID)	103			72.0-128		04/24/2025 19:03	WG2499160

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		2.24	5.56	1	04/25/2025 11:53	WG2498974
C28-C36 Motor Oil Range	U		0.381	5.56	1	04/25/2025 11:53	WG2498974
(S) o-Terphenyl	52.3			18.0-148		04/25/2025 11:53	WG2498974

Collected date/time: 04/16/25 09:33

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	69.3		1	04/23/2025 10:06	WG2497569

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	5060	<u>V</u>	46.8	147	5.1	04/24/2025 19:44	WG2497635

Collected date/time: 04/16/25 09:35

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	59.6		1	04/23/2025 10:06	WG2497569

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	4520		53.4	168	5	04/24/2025 20:49	WG2497635

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000201	0.000839	1	04/24/2025 19:26	WG2499160
Toluene	U		0.000252	0.00839	1	04/24/2025 19:26	WG2499160
Ethylbenzene	U		0.000185	0.000839	1	04/24/2025 19:26	WG2499160
Total Xylene	U		0.000772	0.00252	1	04/24/2025 19:26	WG2499160
TPH (GC/FID) Low Fraction	U		0.0364	0.168	1	04/24/2025 19:26	WG2499160
(S) a,a,a-Trifluorotoluene(FID)	98.2			77.0-120		04/24/2025 19:26	WG2499160
(S) a,a,a-Trifluorotoluene(PID)	103			72.0-128		04/24/2025 19:26	WG2499160

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		2.70	6.71	1	04/25/2025 12:07	WG2498974
C28-C36 Motor Oil Range	U		0.460	6.71	1	04/25/2025 12:07	WG2498974
(S) o-Terphenyl	55.3			18.0-148		04/25/2025 12:07	WG2498974

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Collected date/time: 04/16/25 09:37

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.4		1	04/23/2025 10:06	WG2497569

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	2630		45.6	144	5.05	04/24/2025 21:06	WG2497635

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 09:39

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	67.4		1	04/23/2025 10:06	WG2497569

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	2410		48.1	151	5.1	04/24/2025 21:22	WG2497635

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Collected date/time: 04/16/25 09:41

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.4		1	04/23/2025 10:06	WG2497569

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	1210		41.1	129	5	04/24/2025 05:59	WG2497638

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.00593		0.000155	0.000646	1	04/24/2025 19:50	WG2499160
Toluene	0.00589	J	0.000194	0.00646	1	04/24/2025 19:50	WG2499160
Ethylbenzene	0.00521		0.000142	0.000646	1	04/24/2025 19:50	WG2499160
Total Xylene	0.0185		0.000594	0.00194	1	04/24/2025 19:50	WG2499160
TPH (GC/FID) Low Fraction	0.0910	B J	0.0280	0.129	1	04/24/2025 19:50	WG2499160
(S) a,a,a-Trifluorotoluene(FID)	98.6			77.0-120		04/24/2025 19:50	WG2499160
(S) a,a,a-Trifluorotoluene(PID)	103			72.0-128		04/24/2025 19:50	WG2499160

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		2.08	5.17	1	04/25/2025 12:21	WG2498974
C28-C36 Motor Oil Range	U		0.354	5.17	1	04/25/2025 12:21	WG2498974
(S) o-Terphenyl	50.2			18.0-148		04/25/2025 12:21	WG2498974

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Collected date/time: 04/16/25 10:00

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.7		1	04/23/2025 14:41	WG2497570

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	U		6.57	20.7	1	04/24/2025 06:15	WG2497638

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 2502 20250416
Collected date/time: 04/16/25 10:02

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.6		1	04/23/2025 14:41	WG2497570

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	184		7.53	23.7	1.05	04/24/2025 06:32	WG2497638

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 10:04

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.9		1	04/23/2025 14:41	WG2497570

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	861		7.98	25.1	1.03	04/24/2025 06:48	WG2497638

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000146	0.000610	1	04/24/2025 20:14	WG2499160
Toluene	U		0.000183	0.00610	1	04/24/2025 20:14	WG2499160
Ethylbenzene	U		0.000134	0.000610	1	04/24/2025 20:14	WG2499160
Total Xylene	U		0.000561	0.00183	1	04/24/2025 20:14	WG2499160
TPH (GC/FID) Low Fraction	U		0.0265	0.122	1	04/24/2025 20:14	WG2499160
(S) a,a,a-Trifluorotoluene(FID)	99.0			77.0-120		04/24/2025 20:14	WG2499160
(S) a,a,a-Trifluorotoluene(PID)	104			72.0-128		04/24/2025 20:14	WG2499160

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.97	4.88	1	04/25/2025 12:35	WG2498974
C28-C36 Motor Oil Range	0.466	J	0.334	4.88	1	04/25/2025 12:35	WG2498974
(S) o-Terphenyl	61.1			18.0-148		04/25/2025 12:35	WG2498974

Collected date/time: 04/16/25 10:06

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.1		1	04/23/2025 14:41	WG2497570

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1060		36.8	116	5.1	04/24/2025 07:04	WG2497638

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Collected date/time: 04/16/25 10:08

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.5		1	04/23/2025 14:41	WG2497570

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	621		8.05	25.3	1.02	04/24/2025 07:15	WG2497638

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 10:10

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.2		1	04/23/2025 14:41	WG2497570

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	806		8.22	25.9	1	04/24/2025 07:25	WG2497638

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000155	0.000647	1	04/24/2025 20:38	WG2499160
Toluene	U		0.000194	0.00647	1	04/24/2025 20:38	WG2499160
Ethylbenzene	U		0.000142	0.000647	1	04/24/2025 20:38	WG2499160
Total Xylene	U		0.000596	0.00194	1	04/24/2025 20:38	WG2499160
TPH (GC/FID) Low Fraction	U		0.0281	0.129	1	04/24/2025 20:38	WG2499160
(S) a,a,a-Trifluorotoluene(FID)	95.8			77.0-120		04/24/2025 20:38	WG2499160
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/24/2025 20:38	WG2499160

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		2.08	5.18	1	04/25/2025 12:50	WG2498974
C28-C36 Motor Oil Range	U		0.355	5.18	1	04/25/2025 12:50	WG2498974
(S) o-Terphenyl	56.0			18.0-148		04/25/2025 12:50	WG2498974

Collected date/time: 04/16/25 10:12

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.8		1	04/23/2025 14:41	WG2497570

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1720		37.4	118	5.05	04/24/2025 07:45	WG2497638

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 10:14

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.2		1	04/23/2025 14:41	WG2497570

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	923		39.2	123	5	04/24/2025 07:56	WG2497638

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000148	0.000616	1	04/24/2025 21:01	WG2499160
Toluene	0.000241	<u>BJ</u>	0.000185	0.00616	1	04/24/2025 21:01	WG2499160
Ethylbenzene	U		0.000135	0.000616	1	04/24/2025 21:01	WG2499160
Total Xylene	U		0.000566	0.00185	1	04/24/2025 21:01	WG2499160
TPH (GC/FID) Low Fraction	U		0.0267	0.123	1	04/24/2025 21:01	WG2499160
(S) a,a,a-Trifluorotoluene(FID)	95.9			77.0-120		04/24/2025 21:01	WG2499160
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/24/2025 21:01	WG2499160

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3.03	<u>J</u>	1.98	4.92	1	04/25/2025 14:30	WG2498975
C28-C36 Motor Oil Range	0.834	<u>J</u>	0.337	4.92	1	04/25/2025 14:30	WG2498975
(S) o-Terphenyl	69.9			18.0-148		04/25/2025 14:30	WG2498975

Collected date/time: 04/16/25 10:16

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.5		1	04/23/2025 14:41	WG2497570

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1010		35.1	111	5	04/24/2025 08:06	WG2497638

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 254.1618 20250416
Collected date/time: 04/16/25 10:18

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	04/23/2025 14:41	WG2497570

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1120		35.4	111	5	04/24/2025 08:37	WG2497638

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 10:20

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	04/23/2025 12:48	WG2497571

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	580		7.04	22.2	1	04/24/2025 08:47	WG2497638

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000133	0.000554	1	04/24/2025 21:25	WG2499160
Toluene	0.000364	<u>BJ</u>	0.000166	0.00554	1	04/24/2025 21:25	WG2499160
Ethylbenzene	U		0.000122	0.000554	1	04/24/2025 21:25	WG2499160
Total Xylene	U		0.000510	0.00166	1	04/24/2025 21:25	WG2499160
TPH (GC/FID) Low Fraction	0.0468	<u>BJ</u>	0.0240	0.111	1	04/24/2025 21:25	WG2499160
(S) a,a,a-Trifluorotoluene(FID)	96.4			77.0-120		04/24/2025 21:25	WG2499160
(S) a,a,a-Trifluorotoluene(PID)	102			72.0-128		04/24/2025 21:25	WG2499160

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1.97	<u>J</u>	1.78	4.43	1	04/25/2025 14:30	WG2498975
C28-C36 Motor Oil Range	1.61	<u>J</u>	0.304	4.43	1	04/25/2025 14:30	WG2498975
(S) o-Terphenyl	55.1			18.0-148		04/25/2025 14:30	WG2498975

Collected date/time: 04/16/25 10:22

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	04/23/2025 12:48	WG2497571

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1140		36.4	115	5.05	04/24/2025 08:57	WG2497638

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Collected date/time: 04/16/25 10:24

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.8		1	04/23/2025 12:48	WG2497571

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	130		7.86	24.7	1	04/24/2025 09:10	WG2497638

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000148	0.000619	1	04/26/2025 01:57	WG2500326
Toluene	U		0.000186	0.00619	1	04/26/2025 01:57	WG2500326
Ethylbenzene	U		0.000136	0.000619	1	04/26/2025 01:57	WG2500326
Total Xylene	U		0.000569	0.00186	1	04/26/2025 01:57	WG2500326
TPH (GC/FID) Low Fraction	0.0400	<u>BJ</u>	0.0268	0.124	1	04/26/2025 01:57	WG2500326
(S) a,a,a-Trifluorotoluene(FID)	97.8			77.0-120		04/26/2025 01:57	WG2500326
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/26/2025 01:57	WG2500326

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.99	4.95	1	04/25/2025 14:18	WG2498975
C28-C36 Motor Oil Range	1.48	<u>J</u>	0.339	4.95	1	04/25/2025 14:18	WG2498975
(S) o-Terphenyl	47.7			18.0-148		04/25/2025 14:18	WG2498975

PMW 25-24-26-20250416
Collected date/time: 04/16/25 10:26

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.1		1	04/23/2025 12:48	WG2497571

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	99.6		7.74	24.4	1	04/24/2025 09:26	WG2497638

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 255-26-28-20250416
Collected date/time: 04/16/25 10:28

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.5		1	04/23/2025 12:48	WG2497571

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	160		6.86	21.6	1	04/24/2025 09:43	WG2497638

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 10:30

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.1		1	04/23/2025 12:48	WG2497571

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	642	<u>J6</u>	7.95	25.0	1.04	04/24/2025 09:59	WG2497638

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000144	0.000602	1	04/25/2025 14:09	WG2499376
Toluene	U		0.000181	0.00602	1	04/25/2025 14:09	WG2499376
Ethylbenzene	U		0.000132	0.000602	1	04/25/2025 14:09	WG2499376
Total Xylene	U		0.000554	0.00181	1	04/25/2025 14:09	WG2499376
TPH (GC/FID) Low Fraction	0.0559	<u>BJ</u>	0.0261	0.120	1	04/25/2025 14:09	WG2499376
(S) a,a,a-Trifluorotoluene(FID)	97.1			77.0-120		04/25/2025 14:09	WG2499376
(S) a,a,a-Trifluorotoluene(PID)	100			72.0-128		04/25/2025 14:09	WG2499376

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.99	<u>J</u>	1.94	4.82	1	04/25/2025 14:18	WG2498975
C28-C36 Motor Oil Range	0.347	<u>J</u>	0.330	4.82	1	04/25/2025 14:18	WG2498975
(S) o-Terphenyl	65.5			18.0-148		04/25/2025 14:18	WG2498975

Collected date/time: 04/16/25 10:32

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.2		1	04/23/2025 12:48	WG2497571

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	109		7.54	23.8	1	04/24/2025 10:46	WG2497638

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 252-34-20250418
 Collected date/time: 04/16/25 10:34

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.8		1	04/23/2025 12:48	WG2497571

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	277		6.91	21.8	1.01	04/24/2025 10:57	WG2497638

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000129	0.000539	1	04/25/2025 14:32	WG2499376
Toluene	0.000524	J	0.000162	0.00539	1	04/25/2025 14:32	WG2499376
Ethylbenzene	U		0.000119	0.000539	1	04/25/2025 14:32	WG2499376
Total Xylene	U		0.000496	0.00162	1	04/25/2025 14:32	WG2499376
TPH (GC/FID) Low Fraction	0.0475	B J	0.0234	0.108	1	04/25/2025 14:32	WG2499376
(S) a,a,a-Trifluorotoluene(FID)	96.9			77.0-120		04/25/2025 14:32	WG2499376
(S) a,a,a-Trifluorotoluene(PID)	100			72.0-128		04/25/2025 14:32	WG2499376

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.73	4.31	1	04/25/2025 14:43	WG2498975
C28-C36 Motor Oil Range	U		0.295	4.31	1	04/25/2025 14:43	WG2498975
(S) o-Terphenyl	41.4			18.0-148		04/25/2025 14:43	WG2498975

PMW-25-54-36-20250418
Collected date/time: 04/16/25 10:36

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.0		1	04/23/2025 12:48	WG2497571

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	264		8.24	26.0	1	04/24/2025 11:07	WG2497638

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 255-56-58-20250416
Collected date/time: 04/16/25 10:38

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.2		1	04/23/2025 12:48	WG2497571

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	500		8.90	28.0	1.04	04/24/2025 22:38	WG2497639

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 10:40

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	04/23/2025 12:37	WG2497572

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	399		7.68	24.2	1	04/24/2025 22:48	WG2497639

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000145	0.000605	1	04/25/2025 14:54	WG2499376
Toluene	U		0.000181	0.00605	1	04/25/2025 14:54	WG2499376
Ethylbenzene	U		0.000133	0.000605	1	04/25/2025 14:54	WG2499376
Total Xylene	U		0.000556	0.00181	1	04/25/2025 14:54	WG2499376
TPH (GC/FID) Low Fraction	0.0455	<u>BJ</u>	0.0262	0.121	1	04/25/2025 14:54	WG2499376
(S) a,a,a-Trifluorotoluene(FID)	97.5			77.0-120		04/25/2025 14:54	WG2499376
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/25/2025 14:54	WG2499376

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	4.27	<u>J</u>	1.95	4.84	1	04/25/2025 14:43	WG2498975
C28-C36 Motor Oil Range	1.49	<u>J</u>	0.331	4.84	1	04/25/2025 14:43	WG2498975
(S) o-Terphenyl	62.9			18.0-148		04/25/2025 14:43	WG2498975

Collected date/time: 04/16/25 11:00

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.9		1	04/23/2025 12:37	WG2497572

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	U		6.75	21.3	1.03	04/24/2025 22:58	WG2497639

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Collected date/time: 04/16/25 11:02

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.9		1	04/23/2025 12:37	WG2497572

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	114		6.91	21.8	1	04/24/2025 23:08	WG2497639

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 11:04

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.2		1	04/23/2025 12:37	WG2497572

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	441		6.80	21.4	1.02	04/24/2025 23:19	WG2497639

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000126	0.000525	1	04/25/2025 15:17	WG2499376
Toluene	U		0.000157	0.00525	1	04/25/2025 15:17	WG2499376
Ethylbenzene	U		0.000115	0.000525	1	04/25/2025 15:17	WG2499376
Total Xylene	U		0.000483	0.00157	1	04/25/2025 15:17	WG2499376
TPH (GC/FID) Low Fraction	0.0300	<u>BJ</u>	0.0228	0.105	1	04/25/2025 15:17	WG2499376
(S) a,a,a-Trifluorotoluene(FID)	97.6			77.0-120		04/25/2025 15:17	WG2499376
(S) a,a,a-Trifluorotoluene(PID)	102			72.0-128		04/25/2025 15:17	WG2499376

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.59	<u>J</u>	1.69	4.20	1	04/25/2025 14:55	WG2498975
C28-C36 Motor Oil Range	2.11	<u>J</u>	0.288	4.20	1	04/25/2025 14:55	WG2498975
(S) o-Terphenyl	62.3			18.0-148		04/25/2025 14:55	WG2498975

Collected date/time: 04/16/25 11:06

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.1		1	04/23/2025 12:37	WG2497572

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	455		6.74	21.2	1.01	04/24/2025 23:33	WG2497639

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 11:08

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.8		1	04/23/2025 12:37	WG2497572

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	236		7.30	23.0	1.02	04/28/2025 14:39	WG2501032

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 11:10

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	04/23/2025 12:37	WG2497572

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	1550		36.5	115	5	04/25/2025 00:22	WG2497639

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000138	0.000574	1	04/25/2025 15:39	WG2499376
Toluene	U		0.000172	0.00574	1	04/25/2025 15:39	WG2499376
Ethylbenzene	U		0.000126	0.000574	1	04/25/2025 15:39	WG2499376
Total Xylene	U		0.000528	0.00172	1	04/25/2025 15:39	WG2499376
TPH (GC/FID) Low Fraction	0.0297	<u>BJ</u>	0.0249	0.115	1	04/25/2025 15:39	WG2499376
(S) a,a,a-Trifluorotoluene(FID)	97.1			77.0-120		04/25/2025 15:39	WG2499376
(S) a,a,a-Trifluorotoluene(PID)	100			72.0-128		04/25/2025 15:39	WG2499376

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.85	4.59	1	04/25/2025 14:55	WG2498975
C28-C36 Motor Oil Range	0.366	<u>J</u>	0.314	4.59	1	04/25/2025 14:55	WG2498975
(S) o-Terphenyl	63.3			18.0-148		04/25/2025 14:55	WG2498975

Collected date/time: 04/16/25 11:12

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.8		1	04/23/2025 12:37	WG2497572

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	987		7.86	24.8	1	04/25/2025 00:38	WG2497639

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 11:14

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.9		1	04/23/2025 12:37	WG2497572

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	1760		37.7	119	5.1	04/25/2025 00:55	WG2497639

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000140	0.000582	1	04/25/2025 16:01	WG2499376
Toluene	U		0.000175	0.00582	1	04/25/2025 16:01	WG2499376
Ethylbenzene	U		0.000128	0.000582	1	04/25/2025 16:01	WG2499376
Total Xylene	U		0.000535	0.00175	1	04/25/2025 16:01	WG2499376
TPH (GC/FID) Low Fraction	0.0297	<u>BJ</u>	0.0253	0.116	1	04/25/2025 16:01	WG2499376
(S) a,a,a-Trifluorotoluene(FID)	97.3			77.0-120		04/25/2025 16:01	WG2499376
(S) a,a,a-Trifluorotoluene(PID)	100			72.0-128		04/25/2025 16:01	WG2499376

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	3.57	<u>J</u>	1.87	4.66	1	04/25/2025 15:33	WG2498975
C28-C36 Motor Oil Range	1.64	<u>J</u>	0.319	4.66	1	04/25/2025 15:33	WG2498975
(S) o-Terphenyl	58.3			18.0-148		04/25/2025 15:33	WG2498975

Collected date/time: 04/16/25 11:16

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	72.7		1	04/23/2025 12:37	WG2497572

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	583		8.73	27.5	1	04/25/2025 01:44	WG2497639

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 35S-18-18-20250416
Collected date/time: 04/16/25 11:18

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.4		1	04/23/2025 11:01	WG2497573

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1130		35.4	112	5.1	04/25/2025 02:00	WG2497639

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 11:20

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.2		1	04/23/2025 11:01	WG2497573

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	789		8.55	26.9	1.04	04/25/2025 02:16	WG2497639

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000155	0.000648	1	04/25/2025 16:24	WG2499376
Toluene	U		0.000194	0.00648	1	04/25/2025 16:24	WG2499376
Ethylbenzene	U		0.000143	0.000648	1	04/25/2025 16:24	WG2499376
Total Xylene	U		0.000596	0.00194	1	04/25/2025 16:24	WG2499376
TPH (GC/FID) Low Fraction	0.0412	BJ	0.0281	0.130	1	04/25/2025 16:24	WG2499376
(S) a,a,a-Trifluorotoluene(FID)	97.5			77.0-120		04/25/2025 16:24	WG2499376
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/25/2025 16:24	WG2499376

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		2.09	5.18	1	04/25/2025 15:08	WG2498975
C28-C36 Motor Oil Range	U		0.355	5.18	1	04/25/2025 15:08	WG2498975
(S) o-Terphenyl	59.0			18.0-148		04/25/2025 15:08	WG2498975

Collected date/time: 04/16/25 11:22

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.7		1	04/23/2025 11:01	WG2497573

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	787		6.78	21.4	1	04/25/2025 02:33	WG2497639

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

PMW 35 S-22-24-20250410
 Collected date/time: 04/16/25 11:24

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.1		1	04/23/2025 11:01	WG2497573

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	455		8.24	25.9	1	04/25/2025 02:49	WG2497639

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000156	0.000649	1	04/25/2025 16:46	WG2499376
Toluene	U		0.000195	0.00649	1	04/25/2025 16:46	WG2499376
Ethylbenzene	U		0.000143	0.000649	1	04/25/2025 16:46	WG2499376
Total Xylene	U		0.000597	0.00195	1	04/25/2025 16:46	WG2499376
TPH (GC/FID) Low Fraction	0.0441	<u>BJ</u>	0.0281	0.130	1	04/25/2025 16:46	WG2499376
(S) a,a,a-Trifluorotoluene(FID)	97.8			77.0-120		04/25/2025 16:46	WG2499376
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/25/2025 16:46	WG2499376

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		2.09	5.19	1	04/25/2025 15:46	WG2498975
C28-C36 Motor Oil Range	1.40	<u>J</u>	0.355	5.19	1	04/25/2025 15:46	WG2498975
(S) o-Terphenyl	54.1			18.0-148		04/25/2025 15:46	WG2498975

1 Cp
 2 Tc
 3 Ss
 4 Cn
 5 Sr
 6 Qc
 7 Gl
 8 Al
 9 Sc

PMW 3 S-24 26-20250418
Collected date/time: 04/16/25 11:26

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.5		1	04/23/2025 11:01	WG2497573

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	592		6.92	21.8	1.03	04/25/2025 03:06	WG2497639

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 35S-26-28-20250416
Collected date/time: 04/16/25 11:28

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.9		1	04/23/2025 11:01	WG2497573

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	309		8.15	25.7	1	04/25/2025 03:22	WG2497639

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 35 S-28-30-20250410
 Collected date/time: 04/16/25 11:30

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	04/23/2025 11:01	WG2497573

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	275		7.03	22.1	1.02	04/25/2025 04:27	WG2497639

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.000582		0.000130	0.000543	1	04/25/2025 17:09	WG2499376
Toluene	0.000787	J	0.000163	0.00543	1	04/25/2025 17:09	WG2499376
Ethylbenzene	U		0.000119	0.000543	1	04/25/2025 17:09	WG2499376
Total Xylene	U		0.000499	0.00163	1	04/25/2025 17:09	WG2499376
TPH (GC/FID) Low Fraction	0.0396	B J	0.0236	0.109	1	04/25/2025 17:09	WG2499376
(S) a,a,a-Trifluorotoluene(FID)	97.1			77.0-120		04/25/2025 17:09	WG2499376
(S) a,a,a-Trifluorotoluene(PID)	100			72.0-128		04/25/2025 17:09	WG2499376

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.87	J	1.75	4.34	1	04/25/2025 15:20	WG2498975
C28-C36 Motor Oil Range	0.359	J	0.297	4.34	1	04/25/2025 15:20	WG2498975
(S) o-Terphenyl	69.5			18.0-148		04/25/2025 15:20	WG2498975

PMW 35S-50-32-20250416
Collected date/time: 04/16/25 11:32

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.4		1	04/23/2025 11:01	WG2497573

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	498		8.53	26.9	1	04/25/2025 04:44	WG2497639

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 325.3420250418
 Collected date/time: 04/16/25 11:34

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.5		1	04/23/2025 11:01	WG2497573

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	331		7.96	25.1	1.01	04/25/2025 05:00	WG2497639

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000149	0.000621	1	04/26/2025 02:19	WG2500326
Toluene	U		0.000186	0.00621	1	04/26/2025 02:19	WG2500326
Ethylbenzene	U		0.000137	0.000621	1	04/26/2025 02:19	WG2500326
Total Xylene	U		0.000572	0.00186	1	04/26/2025 02:19	WG2500326
TPH (GC/FID) Low Fraction	0.0463	BJ	0.0270	0.124	1	04/26/2025 02:19	WG2500326
(S) a,a,a-Trifluorotoluene(FID)	97.3			77.0-120		04/26/2025 02:19	WG2500326
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/26/2025 02:19	WG2500326

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		2.00	4.97	1	04/25/2025 14:05	WG2498975
C28-C36 Motor Oil Range	U		0.340	4.97	1	04/25/2025 14:05	WG2498975
(S) o-Terphenyl	61.2			18.0-148		04/25/2025 14:05	WG2498975

PMW 355-3436-20250418
Collected date/time: 04/16/25 11:36

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.9		1	04/23/2025 11:01	WG2497573

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	405		7.48	23.6	1	04/27/2025 16:33	WG2500599

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 35S-56-38-20250418
Collected date/time: 04/16/25 11:38

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.8		1	04/23/2025 10:49	WG2497574

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	250		8.16	25.7	1	04/27/2025 16:54	WG2500599

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 353.5840-20250418
 Collected date/time: 04/16/25 11:40

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.6		1	04/23/2025 10:49	WG2497574

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	327		7.98	25.1	1	04/27/2025 17:04	WG2500599

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000151	0.000628	1	04/26/2025 02:42	WG2500326
Toluene	U		0.000188	0.00628	1	04/26/2025 02:42	WG2500326
Ethylbenzene	U		0.000138	0.000628	1	04/26/2025 02:42	WG2500326
Total Xylene	U		0.000578	0.00188	1	04/26/2025 02:42	WG2500326
TPH (GC/FID) Low Fraction	0.0383	BJ	0.0273	0.126	1	04/26/2025 02:42	WG2500326
(S) a,a,a-Trifluorotoluene(FID)	97.5			77.0-120		04/26/2025 02:42	WG2500326
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/26/2025 02:42	WG2500326

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		2.02	5.03	1	04/25/2025 15:33	WG2498975
C28-C36 Motor Oil Range	U		0.344	5.03	1	04/25/2025 15:33	WG2498975
(S) o-Terphenyl	64.7			18.0-148		04/25/2025 15:33	WG2498975

1 Cp
 2 Tc
 3 Ss
 4 Cn
 5 Sr
 6 Qc
 7 Gl
 8 Al
 9 Sc

Collected date/time: 04/16/25 12:00

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.3		1	04/23/2025 10:49	WG2497574

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	U		6.59	20.8	1.01	04/27/2025 17:14	WG2500599

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Collected date/time: 04/16/25 12:02

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.5		1	04/23/2025 10:49	WG2497574

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	66.9		7.02	22.1	1	04/27/2025 17:25	WG2500599

Collected date/time: 04/16/25 12:04

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.9		1	04/23/2025 10:49	WG2497574

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	573		8.26	26.0	1	04/27/2025 17:35	WG2500599

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000156	0.000650	1	04/26/2025 03:04	WG2500326
Toluene	U		0.000195	0.00650	1	04/26/2025 03:04	WG2500326
Ethylbenzene	U		0.000143	0.000650	1	04/26/2025 03:04	WG2500326
Total Xylene	U		0.000598	0.00195	1	04/26/2025 03:04	WG2500326
TPH (GC/FID) Low Fraction	0.0454	<u>BJ</u>	0.0282	0.130	1	04/26/2025 03:04	WG2500326
(S) a,a,a-Trifluorotoluene(FID)	97.2			77.0-120		04/26/2025 03:04	WG2500326
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/26/2025 03:04	WG2500326

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		2.09	5.20	1	04/25/2025 15:46	WG2498975
C28-C36 Motor Oil Range	3.23	<u>J</u>	0.356	5.20	1	04/25/2025 15:46	WG2498975
(S) o-Terphenyl	68.6			18.0-148		04/25/2025 15:46	WG2498975

Collected date/time: 04/16/25 12:06

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.2		1	04/23/2025 10:49	WG2497574

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	815		7.99	25.2	1.01	04/27/2025 17:45	WG2500599

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 12:08

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.4		1	04/23/2025 10:49	WG2497574

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	903		8.00	25.2	1	04/27/2025 17:56	WG2500599

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 12:10

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	04/23/2025 10:49	WG2497574

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	1080		34.2	107	5	04/27/2025 18:08	WG2500599

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000129	0.000537	1	04/26/2025 03:27	WG2500326
Toluene	U		0.000161	0.00537	1	04/26/2025 03:27	WG2500326
Ethylbenzene	U		0.000118	0.000537	1	04/26/2025 03:27	WG2500326
Total Xylene	U		0.000494	0.00161	1	04/26/2025 03:27	WG2500326
TPH (GC/FID) Low Fraction	0.0252	<u>BJ</u>	0.0233	0.107	1	04/26/2025 03:27	WG2500326
(S) a,a,a-Trifluorotoluene(FID)	97.2			77.0-120		04/26/2025 03:27	WG2500326
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/26/2025 03:27	WG2500326

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.73	4.30	1	04/25/2025 13:40	WG2498975
C28-C36 Motor Oil Range	0.476	<u>J</u>	0.294	4.30	1	04/25/2025 13:40	WG2498975
(S) o-Terphenyl	39.6			18.0-148		04/25/2025 13:40	WG2498975

Collected date/time: 04/16/25 12:12

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.5		1	04/23/2025 10:49	WG2497574

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1780		40.5	127	5	04/27/2025 18:25	WG2500599

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 12:14

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.7		1	04/23/2025 10:49	WG2497574

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	2380		38.9	122	5	04/27/2025 19:14	WG2500599

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000147	0.000612	1	04/26/2025 03:49	WG2500326
Toluene	U		0.000184	0.00612	1	04/26/2025 03:49	WG2500326
Ethylbenzene	U		0.000135	0.000612	1	04/26/2025 03:49	WG2500326
Total Xylene	U		0.000563	0.00184	1	04/26/2025 03:49	WG2500326
TPH (GC/FID) Low Fraction	0.0334	<u>BJ</u>	0.0266	0.122	1	04/26/2025 03:49	WG2500326
(S) a,a,a-Trifluorotoluene(FID)	98.2			77.0-120		04/26/2025 03:49	WG2500326
(S) a,a,a-Trifluorotoluene(PID)	102			72.0-128		04/26/2025 03:49	WG2500326

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.97	4.90	1	04/25/2025 13:52	WG2498975
C28-C36 Motor Oil Range	0.497	<u>J</u>	0.335	4.90	1	04/25/2025 13:52	WG2498975
(S) o-Terphenyl	41.8			18.0-148		04/25/2025 13:52	WG2498975

Collected date/time: 04/16/25 12:16

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.0		1	04/23/2025 12:26	WG2497575

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1550		36.1	114	5	04/27/2025 19:30	WG2500599

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW: 45-18-20250416
Collected date/time: 04/16/25 12:18

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.4		1	04/23/2025 12:26	WG2497575

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	691		7.99	25.2	1	04/27/2025 19:46	WG2500599

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 12:20

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.1		1	04/23/2025 12:26	WG2497575

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	667		7.64	24.1	1	04/27/2025 20:03	WG2500599

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000144	0.000602	1	04/26/2025 04:11	WG2500326
Toluene	U		0.000181	0.00602	1	04/26/2025 04:11	WG2500326
Ethylbenzene	U		0.000132	0.000602	1	04/26/2025 04:11	WG2500326
Total Xylene	U		0.000554	0.00181	1	04/26/2025 04:11	WG2500326
TPH (GC/FID) Low Fraction	0.0299	<u>BJ</u>	0.0261	0.120	1	04/26/2025 04:11	WG2500326
(S) a,a,a-Trifluorotoluene(FID)	97.9			77.0-120		04/26/2025 04:11	WG2500326
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/26/2025 04:11	WG2500326

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.41	<u>J</u>	1.94	4.82	1	04/25/2025 13:27	WG2498975
C28-C36 Motor Oil Range	0.991	<u>J</u>	0.330	4.82	1	04/25/2025 13:27	WG2498975
(S) o-Terphenyl	63.1			18.0-148		04/25/2025 13:27	WG2498975

Collected date/time: 04/16/25 12:22

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	04/23/2025 12:26	WG2497575

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	205		7.40	23.3	1	04/27/2025 20:19	WG2500599

Collected date/time: 04/16/25 12:24

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	88.5		1	04/23/2025 12:26	WG2497575

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Chloride	659		7.17	22.6	1	04/27/2025 20:35	WG2500599

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Benzene	U		0.000136	0.000565	1	04/26/2025 04:34	WG2500326
Toluene	U		0.000169	0.00565	1	04/26/2025 04:34	WG2500326
Ethylbenzene	U		0.000124	0.000565	1	04/26/2025 04:34	WG2500326
Total Xylene	U		0.000520	0.00169	1	04/26/2025 04:34	WG2500326
TPH (GC/FID) Low Fraction	0.0379	<u>BJ</u>	0.0245	0.113	1	04/26/2025 04:34	WG2500326
(S) a,a,a-Trifluorotoluene(FID)	96.9			77.0-120		04/26/2025 04:34	WG2500326
(S) a,a,a-Trifluorotoluene(PID)	100			72.0-128		04/26/2025 04:34	WG2500326

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	U		1.82	4.52	1	04/25/2025 13:52	WG2498975
C28-C36 Motor Oil Range	1.04	<u>J</u>	0.309	4.52	1	04/25/2025 13:52	WG2498975
(S) o-Terphenyl	59.1			18.0-148		04/25/2025 13:52	WG2498975

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Collected date/time: 04/16/25 12:26

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	71.4		1	04/23/2025 12:26	WG2497575

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	812		8.98	28.3	1.01	04/27/2025 20:52	WG2500599

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 4S-26-28-20250416
Collected date/time: 04/16/25 12:28

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.1		1	04/23/2025 12:26	WG2497575

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	257		8.13	25.6	1	04/27/2025 21:08	WG2500599

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 12:30

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.8		1	04/23/2025 12:26	WG2497575

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1000		38.4	121	5	04/27/2025 21:24	WG2500599

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000145	0.000604	1	04/26/2025 04:56	WG2500326
Toluene	U		0.000181	0.00604	1	04/26/2025 04:56	WG2500326
Ethylbenzene	U		0.000133	0.000604	1	04/26/2025 04:56	WG2500326
Total Xylene	U		0.000555	0.00181	1	04/26/2025 04:56	WG2500326
TPH (GC/FID) Low Fraction	0.0331	<u>BJ</u>	0.0262	0.121	1	04/26/2025 04:56	WG2500326
(S) a,a,a-Trifluorotoluene(FID)	97.3			77.0-120		04/26/2025 04:56	WG2500326
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/26/2025 04:56	WG2500326

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3.24	<u>J</u>	1.94	4.83	1	04/25/2025 14:05	WG2498975
C28-C36 Motor Oil Range	0.999	<u>J</u>	0.331	4.83	1	04/25/2025 14:05	WG2498975
(S) o-Terphenyl	64.6			18.0-148		04/25/2025 14:05	WG2498975

PMW-4S-50-32-20250418
Collected date/time: 04/16/25 12:32

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	69.4		1	04/23/2025 12:26	WG2497575

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1690	<u>V</u>	46.3	146	5.05	04/27/2025 21:41	WG2500599

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 12:34

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	69.2		1	04/23/2025 12:26	WG2497575

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1550		46.0	145	5	04/25/2025 13:04	WG2498051

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000174	0.000723	1	04/26/2025 05:19	WG2500326
Toluene	U		0.000217	0.00723	1	04/26/2025 05:19	WG2500326
Ethylbenzene	U		0.000159	0.000723	1	04/26/2025 05:19	WG2500326
Total Xylene	U		0.000665	0.00217	1	04/26/2025 05:19	WG2500326
TPH (GC/FID) Low Fraction	0.0382	BJ	0.0314	0.145	1	04/26/2025 05:19	WG2500326
(S) a,a,a-Trifluorotoluene(FID)	96.9			77.0-120		04/26/2025 05:19	WG2500326
(S) a,a,a-Trifluorotoluene(PID)	100			72.0-128		04/26/2025 05:19	WG2500326

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		2.33	5.78	1	04/25/2025 18:05	WG2498976
C28-C36 Motor Oil Range	U		0.396	5.78	1	04/25/2025 18:05	WG2498976
(S) o-Terphenyl	55.5			18.0-148		04/25/2025 18:05	WG2498976

PMW 45 54 36 20250416
Collected date/time: 04/16/25 12:36

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.4		1	04/23/2025 12:16	WG2497576

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	575		8.21	25.9	1	04/25/2025 13:18	WG2498051

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

PMW 4538 20250418
Collected date/time: 04/16/25 12:38

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.8		1	04/23/2025 12:16	WG2497576

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	446		8.06	25.4	1	04/25/2025 13:31	WG2498051

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/16/25 12:40

L1849660

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.8		1	04/23/2025 12:16	WG2497576

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	881		8.17	25.7	1	04/25/2025 13:45	WG2498051

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000154	0.000643	1	04/26/2025 05:41	WG2500326
Toluene	U		0.000193	0.00643	1	04/26/2025 05:41	WG2500326
Ethylbenzene	U		0.000141	0.000643	1	04/26/2025 05:41	WG2500326
Total Xylene	U		0.000592	0.00193	1	04/26/2025 05:41	WG2500326
TPH (GC/FID) Low Fraction	0.0350	<u>BJ</u>	0.0279	0.129	1	04/26/2025 05:41	WG2500326
(S) a,a,a-Trifluorotoluene(FID)	97.8			77.0-120		04/26/2025 05:41	WG2500326
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128		04/26/2025 05:41	WG2500326

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		2.07	5.14	1	04/25/2025 18:19	WG2498976
C28-C36 Motor Oil Range	U		0.352	5.14	1	04/25/2025 18:19	WG2498976
(S) o-Terphenyl	44.1			18.0-148		04/25/2025 18:19	WG2498976

Total Solids by Method 2540 G-2011

[L1849660-01](#)

Method Blank (MB)

(MB) R4204148-1 04/23/25 10:34

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

¹Cp

²Tc

³Ss

L1850138-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1850138-22 04/23/25 10:34 • (DUP) R4204148-3 04/23/25 10:34

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	70.4	66.6	1	5.49	<u>J3</u>	10

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R4204148-2 04/23/25 10:34

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

⁶Qc

⁷Gl

⁸Al

⁹Sc

W02497368
Total Solids by Method 2540 G-2011

[L1849660-02,03,04,05,06,07,08,09,10,11](#)

Method Blank (MB)

(MB) R4204146-1 04/23/25 10:19

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1849660-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-05 04/23/25 10:19 • (DUP) R4204146-3 04/23/25 10:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	92.6	92.8	1	0.153		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4204146-2 04/23/25 10:19

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

W02497369
Total Solids by Method 2540 G-2011

[L1849660-12,13,14,15,16,17,18,19,20,21](#)

Method Blank (MB)

(MB) R4204145-1 04/23/25 10:06

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1849660-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-15 04/23/25 10:06 • (DUP) R4204145-3 04/23/25 10:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	84.1	83.8	1	0.354		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4204145-2 04/23/25 10:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

[L1849660-22,23,24,25,26,27,28,29,30,31](#)

Method Blank (MB)

(MB) R4204277-1 04/23/25 14:41

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1849660-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-25 04/23/25 14:41 • (DUP) R4204277-3 04/23/25 14:41

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	88.1	88.5	1	0.499		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4204277-2 04/23/25 14:41

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

[L1849660-32,33,34,35,36,37,38,39,40,41](#)

Method Blank (MB)

(MB) R4204274-1 04/23/25 12:48

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1849660-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-35 04/23/25 12:48 • (DUP) R4204274-3 04/23/25 12:48

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	82.1	82.4	1	0.391		10

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4204274-2 04/23/25 12:48

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

[L1849660-42,43,44,45,46,47,48,49,50,51](#)

Method Blank (MB)

(MB) R4204269-1 04/23/25 12:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1849660-46 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-46 04/23/25 12:37 • (DUP) R4204269-3 04/23/25 12:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	95.1	95.1	1	0.000210		10

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4204269-2 04/23/25 12:37

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

[L1849660-52,53,54,55,56,57,58,59,60,61](#)

Method Blank (MB)

(MB) R4204246-1 04/23/25 11:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1849660-56 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-56 04/23/25 11:01 • (DUP) R4204246-3 04/23/25 11:01

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	94.5	94.5	1	0.0745		10

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4204246-2 04/23/25 11:01

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

[L1849660-62,63,64,65,66,67,68,69,70,71](#)

Method Blank (MB)

(MB) R4204245-1 04/23/25 10:49

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1849660-66 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-66 04/23/25 10:49 • (DUP) R4204245-3 04/23/25 10:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	76.9	76.7	1	0.202		10

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4204245-2 04/23/25 10:49

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

[L1849660-72,73,74,75,76,77,78,79,80,81](#)

Method Blank (MB)

(MB) R4204267-1 04/23/25 12:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1849660-73 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-73 04/23/25 12:26 • (DUP) R4204267-3 04/23/25 12:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	79.4	80.0	1	0.733		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4204267-2 04/23/25 12:26

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

[L1849660-82,83,84](#)

Method Blank (MB)

(MB) R4204264-1 04/23/25 12:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1849751-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1849751-01 04/23/25 12:16 • (DUP) R4204264-3 04/23/25 12:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	88.3	89.9	1	1.83		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4204264-2 04/23/25 12:16

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

[L1849660-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20](#)

Method Blank (MB)

(MB) R4204970-1 04/24/25 14:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		6.35	20.0

¹Cp

²Tc

³Ss

L1849660-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-07 04/24/25 16:11 • (DUP) R4204970-3 04/24/25 16:27

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	2230	2110	5.2	5.51		20

⁴Cn

⁵Sr

L1849660-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-17 04/24/25 19:44 • (DUP) R4204970-4 04/24/25 20:00

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	5060	5120	5.2	1.15		20

⁶Qc

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4204970-2 04/24/25 14:17

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	200	200	99.9	90.0-110	

L1849660-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849660-17 04/24/25 19:44 • (MS) R4204970-5 04/24/25 20:16 • (MSD) R4204970-6 04/24/25 20:33

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	289	5060	5540	5310	165	87.9	5.2	80.0-120	V		4.11	20

⁹Sc

Wet Chemistry by Method 300.0

L1849660-21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40

Method Blank (MB)

(MB) R4204427-1 04/24/25 05:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		6.35	20.0

¹Cp

²Tc

³Ss

⁴Cn

L1849660-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-27 04/24/25 07:25 • (DUP) R4204427-3 04/24/25 07:35

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	806	796	1	1.28		20

⁵Sr

⁶Qc

L1849660-37 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-37 04/24/25 09:59 • (DUP) R4204427-4 04/24/25 10:15

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	642	636	1.01	0.960		20

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4204427-2 04/24/25 05:43

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	200	191	95.5	90.0-110	

L1849660-37 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849660-37 04/24/25 09:59 • (MS) R4204427-5 04/24/25 10:26 • (MSD) R4204427-6 04/24/25 10:36

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	241	642	724	795	34.0	63.5	1.03	80.0-120	J6	J6	9.36	20

Wet Chemistry by Method 300.0

L1849660-41,42,43,44,45,46,48,49,50,51,52,53,54,55,56,57,58,59,60

Method Blank (MB)

(MB) R4204971-1 04/24/25 22:11

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		6.35	20.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1849660-47 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-47 04/24/25 23:49 • (DUP) R4204971-3 04/25/25 00:06

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	941	1240	5	27.1	J3	20

L1849660-57 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-57 04/25/25 03:22 • (DUP) R4204971-4 04/25/25 03:38

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	309	345	1	11.0		20

Laboratory Control Sample (LCS)

(LCS) R4204971-2 04/24/25 22:27

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	200	202	101	90.0-110	

L1849660-57 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849660-57 04/25/25 03:22 • (MS) R4204971-5 04/25/25 03:55 • (MSD) R4204971-6 04/25/25 04:11

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	257	309	592	552	110	94.6	1	80.0-120			7.03	20

Wet Chemistry by Method 300.0

[L1849660-81,82,83,84](#)

Method Blank (MB)

(MB) R4205489-1 04/25/25 11:19

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		6.35	20.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1847442-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1847442-12 04/25/25 11:59 • (DUP) R4205489-3 04/25/25 12:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	393	377	1.03	3.94		20

L1849837-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1849837-03 04/25/25 15:19 • (DUP) R4205489-7 04/25/25 15:33

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	2570	2590	5	0.770		20

Laboratory Control Sample (LCS)

(LCS) R4205489-2 04/25/25 11:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	200	196	98.1	90.0-110	

L1847442-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847442-12 04/25/25 11:59 • (MS) R4205489-4 04/25/25 12:25 • (MSD) R4205489-5 04/25/25 12:37

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	200	393	571	510	89.3	58.6	1	80.0-120		J6	11.4	20

Wet Chemistry by Method 300.0

[L1849660-61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80](#)

Method Blank (MB)

(MB) R4206207-1 04/27/25 16:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		6.35	20.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1849660-61 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-61 04/27/25 16:33 • (DUP) R4206207-3 04/27/25 16:44

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	405	409	1.01	1.07		20

L1849660-80 Original Sample (OS) • Duplicate (DUP)

(OS) L1849660-80 04/27/25 21:41 • (DUP) R4206207-4 04/27/25 21:57

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	1690	1540	5.05	8.88		20

Laboratory Control Sample (LCS)

(LCS) R4206207-2 04/27/25 16:23

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	200	200	100	90.0-110	

L1849660-80 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849660-80 04/27/25 21:41 • (MS) R4206207-5 04/27/25 22:13 • (MSD) R4206207-6 04/27/25 22:30

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	288	1690	1980	2050	101	125	5.05	80.0-120		V	3.36	20

Wet Chemistry by Method 300.0

L1849660-47

Method Blank (MB)

(MB) R4206415-1 04/28/25 14:06

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		6.35	20.0

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1850886-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1850886-13 04/28/25 16:56 • (DUP) R4206415-3 04/28/25 17:12

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4206415-2 04/28/25 14:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	200	205	103	90.0-110	

L1850886-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850886-13 04/28/25 16:56 • (MS) R4206415-4 04/28/25 17:28 • (MSD) R4206415-5 04/28/25 17:45

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	250	U	241	247	96.2	98.7	1	80.0-120			2.60	20

Volatile Organic Compounds (GC) by Method 8015/8021

[L1849660-03,06,11,13,16,18,21,24,27,29,32](#)

Method Blank (MB)

(MB) R4204860-2 04/24/25 14:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000325	U	0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	0.0353	U	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	105			72.0-128

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4204860-1 04/24/25 13:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.43	109	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			110	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			114	72.0-128	

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4204860-3 04/24/25 15:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0562	112	76.0-121	
Toluene	0.0500	0.0549	110	80.0-120	
Ethylbenzene	0.0500	0.0561	112	80.0-124	
Total Xylene	0.150	0.168	112	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			101	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			106	72.0-128	

Volatile Organic Compounds (GC) by Method 8015/8021

[L1849660-08,37,39,42,45,48,50,53,55,58](#)

Method Blank (MB)

(MB) R4206402-3 04/25/25 08:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	U		0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	0.0327	↓	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	98.1			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4206402-1 04/25/25 06:44

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
Benzene	0.0500	0.0549	110	76.0-121	
Toluene	0.0500	0.0539	108	80.0-120	
Ethylbenzene	0.0500	0.0544	109	80.0-124	
Total Xylene	0.150	0.155	103	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			97.2	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			101	72.0-128	

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4206402-2 04/25/25 07:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
TPH (GC/FID) Low Fraction	5.00	5.05	101	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			108	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			110	72.0-128	

Volatile Organic Compounds (GC) by Method 8015/8021

[L1849660-34,60,63,66,69,71,74,76,79,81,84](#)

Method Blank (MB)

(MB) R4206255-3 04/25/25 22:46

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	U		0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	0.0366	↓	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	98.6			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	101			72.0-128

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4206255-1 04/25/25 21:39

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
Benzene	0.0500	0.0556	111	76.0-121	
Toluene	0.0500	0.0576	115	80.0-120	
Ethylbenzene	0.0500	0.0528	106	80.0-124	
Total Xylene	0.150	0.158	105	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			97.8	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			102	72.0-128	

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4206255-2 04/25/25 22:01

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
TPH (GC/FID) Low Fraction	5.00	5.19	104	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			103	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			105	72.0-128	

Semi-Volatile Organic Compounds (GC) by Method 8015M

[L1849660-03,06,08,11,13,16,18,21,24,27](#)

Method Blank (MB)

(MB) R4205317-1 04/25/25 10:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	56.3			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4205317-2 04/25/25 10:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	35.0	70.0	50.0-150	
(S) o-Terphenyl			64.3	18.0-148	

L1850138-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850138-22 04/25/25 13:46 • (MS) R4205317-3 04/25/25 14:01 • (MSD) R4205317-4 04/25/25 14:15

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	71.1	7.11	57.7	47.6	71.2	57.6	1	50.0-150			19.2	20
(S) o-Terphenyl					61.7	50.6		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

[L1849660-29,32,34,37,39,42,45,48,50,53,55,58,60,63,66,69,71,74,76,79](#)

Method Blank (MB)

(MB) R4205361-1 04/25/25 13:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	68.9			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4205361-2 04/25/25 13:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
C10-C28 Diesel Range	50.0	39.0	78.0	50.0-150	
(S) o-Terphenyl			68.5	18.0-148	

L1849660-45 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849660-45 04/25/25 14:55 • (MS) R4205361-3 04/25/25 15:08 • (MSD) R4205361-4 04/25/25 15:20

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	52.0	2.59	40.1	39.2	72.2	70.8	1	50.0-150			2.38	20
(S) o-Terphenyl					57.7	55.8		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

[L1849660-81,84](#)

Method Blank (MB)

(MB) R4205458-1 04/25/25 15:39

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	0.297	J	0.274	4.00
(S) o-Terphenyl	60.8			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4205458-2 04/25/25 15:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
C10-C28 Diesel Range	50.0	31.7	63.4	50.0-150	
(S) o-Terphenyl			54.4	18.0-148	

L1850004-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850004-02 04/25/25 18:48 • (MS) R4205458-3 04/25/25 19:02 • (MSD) R4205458-4 04/25/25 19:16

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	49.0	U	33.7	33.9	68.8	68.2	1	50.0-150			0.592	20
(S) o-Terphenyl					52.1	52.7		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

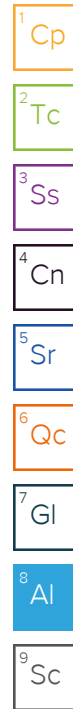
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122


Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		


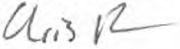
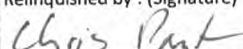

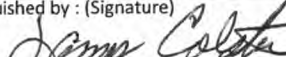
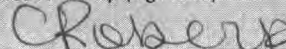
¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable


* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: Arcadis - Chevron - NM 1004 N Big Spring Street Suite 121 Midland, TX 79701		Billing Information: Arcadis, US, Inc. 630 Plaza Drive, Suite 200 Highlands Ranch, CO 80129		Pres Chk		Analysis / Container / Preservative										Chain of Custody Page ___ of ___			
Report to: Sarah Johnson 432-227-0266		Email To: sarah.johnson@arcadis.com;nadja.cintronfranq														 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf			
Project Description: WTU 622		City/State Collected:		Please Circle: PT MT CT ET															
Regulatory Program(DOD,RCRA,DW,etc):		Client Project # 30195192		Lab Project # CHEVARCNM-WTU622												SDG #			
Collected by (print): Chris Paxton		Site/Facility ID # WTU 622		P.O. #												Table #			
Collected by (signature): Chris P		Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day ___ STD TAT		Quote #												Acctnum: CHEVARCNM			
Immediately Packed on Ice N ___ Y <input checked="" type="checkbox"/>				Date Results Needed												Template: T271919			
																Prelogin: P1144253			
																PM: 840 - Katie Ingram			
																PB:			
																Shipped Via:			
																Remarks			
																Sample # (lab only)			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	Cnts	BTEXGRO 4ozClr-NoPres	CHLORIDE-300 4ozClr-NoPres	DRONM 4ozClr-NoPres									
TMW-1-5-38'-40'-20250416		G	SS	38-40	4-16-25	0941	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
TMW-2-5-0-.5'-20250416			SS	0-.5		1000	1												
TMW-2-5-0-2'-20250416			SS	0-2		1002	1												
TMW-2-5-2'-4'-20250416			SS	2-4		1004	2	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>									
TMW-2-5-4'-6'-20250416			SS	4-6		1006	1												
TMW-2-5-6'-8'-20250416			SS	6-8		1008	1												
TMW-2-5-8'-10'-20250416			SS	8-10		1010	2	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>									
TMW-2-5-10'-12'-20250416			SS	10-12		1012	1												
TMW-2-5-12'-14'-20250416			SS	12-14		1014	2	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>									
TMW-2-5-14'-16'-20250416			SS	14-16		1016	1												
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: 04-18-2502		pH _____ Temp _____ Flow _____ Other _____												Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			
Samples returned via: UPS ___ FedEx ___ Courier _____		Tracking #																	
Relinquished by: (Signature) Chris Paxton		Date: 4-17-25	Time: 3:45	Received by: (Signature) James Catata		Trip Blank Received: Yes/No HCL/MeOH TBR		Temp: _____ °C				Bottles Received: 115		If preservation required by Login: Date/Time					
Relinquished by: (Signature) James Catata		Date: 4/17/25	Time: 4:30	Received by: (Signature)															
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) Chavez		Date: 04-18-25		Time: 0845		Hold:		Condition: NCF / OK							

Company Name/Address: Arcadis - Chevron - NM 1004 N Big Spring Street Suite 121 Midland, TX 79701		Billing Information: Arcadis, US, Inc. 630 Plaza Drive, Suite 200 Highlands Ranch, CO 80129		Pres Chk	Analysis / Container / Preservative										Chain of Custody Page ___ of ___			
Report to: Sarah Johnson 432-227-0266		Email To: sarah.johnson@arcadis.com;nadja.cintronfranq														 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf		
Project Description: WTU 622		City/State Collected:		Please Circle: PT MT CT ET														
Regulatory Program(DOD,RCRA,DW,etc):		Client Project # 30195192		Lab Project # CHEVARCNM-WTU622														
Collected by (print): Chris Payton		Site/Facility ID # WTU 622		P.O. #														
Collected by (signature): 		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day <input checked="" type="checkbox"/> STD TAT		Quote #														
Immediately Packed on Ice N ___ Y <input checked="" type="checkbox"/>				Date Results Needed														
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	No. of										
TMW-2-S-16-18-20250416		G	SS	16-18	4-16-25	1018	1											
TMW-2-S-18-20-20250416			SS	18-20		1020	2	✓		✓							31	
TMW-2-S-20-22-20250416			SS	20-22		1022	1										32	
TMW-2-S-22-24-20250416			SS	22-24		1024	2	✓		✓							33	
TMW-2-S-24-26-20250416			SS	24-26		1026	1										34	
TMW-2-S-26-28-20250416			SS	26-28		1028	1										35	
TMW-2-S-28-30-20250416			SS	28-30		1030	2	✓		✓							36	
TMW-2-S-30-32-20250416			SS	30-32		1032	1										37	
TMW-2-S-32-34-20250416			SS	32-34		1034	2	✓		✓							38	
TMW-2-S-34-36-20250416			SS	34-36		1036	1										39	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: 041825 CR		pH _____ Temp _____		Flow _____ Other _____												
Samples returned via: ___ UPS ___ FedEx ___ Courier		Tracking #																
Relinquished by: (Signature) 		Date: 4-17-25	Time: 3:45	Received by: (Signature) 		Trip Blank Received: Yes/No HCL/MeOH TBR												
Relinquished by: (Signature) 		Date: 4/17/25	Time: 4:38	Received by: (Signature)		Temp: _____ °C		Bottles Received: 115										
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 		Date: 04-18-25	Time: 0845	Hold:									Condition: NCF / OK	

Company Name/Address: Arcadis - Chevron - NM 1004 N Big Spring Street Suite 121 Midland, TX 79701		Billing Information: Arcadis, US, Inc. 630 Plaza Drive, Suite 200 Highlands Ranch, CO 80129		Pres Chk		Analysis / Container / Preservative										Chain of Custody Page ___ of ___			
Report to: Sarah Johnson 432-227-0266		Email To: sarah.johnson@arcadis.com;nadja.cintronfran														 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf			
Project Description: WTU 622		City/State Collected:		Please Circle: PT MT CT ET															
Regulatory Program(DOD,RCRA,DW,etc):		Client Project # 30195192		Lab Project # CHEVARCNM-WTU622												SDG #			
Collected by (print): Chris Payton		Site/Facility ID # WTU 622		P.O. #												Table #			
Collected by (signature): Chris Payton		Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day ___ STD TAT		Quote #												Acctnum: CHEVARCNM			
Immediately Packed on Ice N ___ Y <input checked="" type="checkbox"/>				Date Results Needed												Template: T271919			
																Prelogin: P1144253			
																PM: 840 - Katie Ingram			
																PB:			
																Shipped Via:			
																Remarks			
																Sample # (lab only)			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	BTEXGRO 4ozClr-NoPres	CHLORIDE-300 4ozClr-NoPres	DRONM 4ozClr-NoPres									
TMW-2-5-36-38-20250416		G	SS	36-38	4-16-25	1038	2												41
TMW-2-5-38-40-20250416			SS	38-40		1040	1												42
TMW-3-5-0-5'-20250416			SS	0-5		1100	1												43
TMW-3-5-0-2'-20250416			SS	0-2		1102	2												44
TMW-3-5-2-4'-20250416			SS	2-4		1104	1												45
TMW-3-5-4-6'-20250416			SS	4-6		1106	2												46
TMW-3-5-6-8'-20250416			SS	6-8		1108	1												47
TMW-3-5-8-10'-20250416			SS	8-10		1110	2												48
TMW-3-5-10-12'-20250416			SS	10-12		1112	1												49
TMW-3-5-12-14'-20250416			SS	12-14		1114	2												50
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: WT-182502		pH _____ Temp _____ Flow _____ Other _____												Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> NP Y N COC Signed/Accurate: <input checked="" type="checkbox"/> Y N Bottles arrive intact: <input checked="" type="checkbox"/> Y N Correct bottles used: <input checked="" type="checkbox"/> Y N Sufficient volume sent: <input checked="" type="checkbox"/> Y N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> Y N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y N			
Samples returned via: _ UPS _ FedEx _ Courier		Tracking #																	
Relinquished by: (Signature) Chris Payton		Date: 4-17-25	Time: 3:45	Received by: (Signature) James Calisto		Trip Blank Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> HCL / MeoH TBR													
Relinquished by: (Signature) James Calisto		Date: 4/17/25	Time: 4:30	Received by: (Signature)		Temp: _____ °C Bottles Received: 15												If preservation required by Login: Date/Time	
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) C. Casanova		Date: 04/18/25 Time: 0845												Hold: Condition: NCF / OK	

Appendix E

Groundwater Analytical Report



ANALYTICAL REPORT

April 29, 2025

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Arcadis - Chevron - NM

Sample Delivery Group: L1849795
 Samples Received: 04/18/2025
 Project Number: 30195192
 Description: WTU 622
 Site: WTU 622
 Report To: Sarah Johnson
 1004 N Big Spring Street
 Suite 121
 Midland, TX 79701

Entire Report Reviewed By:









Katie Ingram
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

Cp: Cover Page	1	
Tc: Table of Contents	2	
Ss: Sample Summary	3	
Cn: Case Narrative	4	
Sr: Sample Results	5	
TMW-1-W-20250417 L1849795-01	5	
TMW-2-W-20250417 L1849795-02	6	
TMW-3-W-20250417 L1849795-03	7	
TMW-4-W-20250417 L1849795-04	8	
Qc: Quality Control Summary	9	
Volatile Organic Compounds (GC) by Method 8015/8021	9	
Semi-Volatile Organic Compounds (GC) by Method 8015D	10	
Gl: Glossary of Terms	11	
Al: Accreditations & Locations	12	
Sc: Sample Chain of Custody	13	

TMW-1-W-20250417 L1849795-01 GW

Collected by Chris Payton
 Collected date/time 04/17/25 09:01
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499221	1	04/24/25 17:33	04/24/25 17:33	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2498000	3	04/25/25 00:59	04/25/25 14:26	MAA	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

TMW-2-W-20250417 L1849795-02 GW

Collected by Chris Payton
 Collected date/time 04/17/25 09:30
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499221	1	04/24/25 17:55	04/24/25 17:55	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2498000	2	04/25/25 00:59	04/25/25 14:46	MAA	Mt. Juliet, TN

4 Cn

5 Sr

6 Qc

TMW-3-W-20250417 L1849795-03 GW

Collected by Chris Payton
 Collected date/time 04/17/25 10:00
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499221	1	04/24/25 18:16	04/24/25 18:16	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2498000	3	04/25/25 00:59	04/25/25 15:06	MAA	Mt. Juliet, TN

7 Gl

8 Al

9 Sc

TMW-4-W-20250417 L1849795-04 GW

Collected by Chris Payton
 Collected date/time 04/17/25 10:30
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015/8021	WG2499221	1	04/24/25 18:37	04/24/25 18:37	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2498000	2	04/25/25 00:59	04/25/25 15:26	MAA	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Katie Ingram
Project Manager

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Sr
- ⁶Qc
- ⁷Gl
- ⁸Al
- ⁹Sc

Collected date/time: 04/17/25 09:01

L1849795

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	04/24/2025 17:33	WG2499221
Toluene	U		0.000412	0.00100	1	04/24/2025 17:33	WG2499221
Ethylbenzene	U		0.000160	0.000500	1	04/24/2025 17:33	WG2499221
Total Xylene	U		0.000510	0.00150	1	04/24/2025 17:33	WG2499221
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/24/2025 17:33	WG2499221
(S) a,a,a-Trifluorotoluene(FID)	97.6			78.0-120		04/24/2025 17:33	WG2499221
(S) a,a,a-Trifluorotoluene(PID)	101			79.0-125		04/24/2025 17:33	WG2499221

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
C10-C28 Diesel Range	U		0.182	0.300	3	04/25/2025 14:26	WG2498000
C28-C36 Motor Oil Range	U		0.232	0.300	3	04/25/2025 14:26	WG2498000
(S) o-Terphenyl	81.7			52.0-156		04/25/2025 14:26	WG2498000

Sample Narrative:

L1849795-01 WG2498000: Dilution due to matrix impact during extraction procedure.

Collected date/time: 04/17/25 09:30

L1849795

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	04/24/2025 17:55	WG2499221
Toluene	U		0.000412	0.00100	1	04/24/2025 17:55	WG2499221
Ethylbenzene	U		0.000160	0.000500	1	04/24/2025 17:55	WG2499221
Total Xylene	U		0.000510	0.00150	1	04/24/2025 17:55	WG2499221
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/24/2025 17:55	WG2499221
(S) a,a,a-Trifluorotoluene(FID)	97.4			78.0-120		04/24/2025 17:55	WG2499221
(S) a,a,a-Trifluorotoluene(PID)	101			79.0-125		04/24/2025 17:55	WG2499221

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
C10-C28 Diesel Range	U		0.121	0.200	2	04/25/2025 14:46	WG2498000
C28-C36 Motor Oil Range	U		0.154	0.200	2	04/25/2025 14:46	WG2498000
(S) o-Terphenyl	81.1			52.0-156		04/25/2025 14:46	WG2498000

Sample Narrative:

L1849795-02 WG2498000: Dilution due to matrix impact during extraction procedure.

Collected date/time: 04/17/25 10:00

L1849795

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	04/24/2025 18:16	WG2499221
Toluene	U		0.000412	0.00100	1	04/24/2025 18:16	WG2499221
Ethylbenzene	U		0.000160	0.000500	1	04/24/2025 18:16	WG2499221
Total Xylene	U		0.000510	0.00150	1	04/24/2025 18:16	WG2499221
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/24/2025 18:16	WG2499221
(S) a,a,a-Trifluorotoluene(FID)	97.8			78.0-120		04/24/2025 18:16	WG2499221
(S) a,a,a-Trifluorotoluene(PID)	101			79.0-125		04/24/2025 18:16	WG2499221

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
C10-C28 Diesel Range	U		0.182	0.300	3	04/25/2025 15:06	WG2498000
C28-C36 Motor Oil Range	U		0.232	0.300	3	04/25/2025 15:06	WG2498000
(S) o-Terphenyl	72.3			52.0-156		04/25/2025 15:06	WG2498000

Sample Narrative:

L1849795-03 WG2498000: Dilution due to matrix impact during extraction procedure.

Collected date/time: 04/17/25 10:30

L1849795

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	04/24/2025 18:37	WG2499221
Toluene	U		0.000412	0.00100	1	04/24/2025 18:37	WG2499221
Ethylbenzene	U		0.000160	0.000500	1	04/24/2025 18:37	WG2499221
Total Xylene	U		0.000510	0.00150	1	04/24/2025 18:37	WG2499221
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/24/2025 18:37	WG2499221
(S) a,a,a-Trifluorotoluene(FID)	97.9			78.0-120		04/24/2025 18:37	WG2499221
(S) a,a,a-Trifluorotoluene(PID)	101			79.0-125		04/24/2025 18:37	WG2499221

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
C10-C28 Diesel Range	U		0.121	0.200	2	04/25/2025 15:26	WG2498000
C28-C36 Motor Oil Range	U		0.154	0.200	2	04/25/2025 15:26	WG2498000
(S) o-Terphenyl	81.6			52.0-156		04/25/2025 15:26	WG2498000

Sample Narrative:

L1849795-04 WG2498000: Dilution due to matrix impact during extraction procedure.

Volatile Organic Compounds (GC) by Method 8015/8021

[L1849795-01,02,03,04](#)

Method Blank (MB)

(MB) R4204975-4 04/24/25 17:12

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	0.00103	U	0.000510	0.00150
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	97.4			78.0-120
(S) a,a,a-Trifluorotoluene(PID)	101			79.0-125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4204975-1 04/24/25 14:59

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Benzene	0.0500	0.0531	106	77.0-122	
Toluene	0.0500	0.0554	111	80.0-121	
Ethylbenzene	0.0500	0.0549	110	80.0-123	
Total Xylene	0.150	0.161	107	47.0-154	
(S) a,a,a-Trifluorotoluene(FID)			97.9	78.0-120	
(S) a,a,a-Trifluorotoluene(PID)			100	79.0-125	

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4204975-2 04/24/25 15:21 • (LCSD) R4204975-3 04/24/25 15:42

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
TPH (GC/FID) Low Fraction	5.00	5.12	5.37	102	107	72.0-127			4.77	20
(S) a,a,a-Trifluorotoluene(FID)				104	106	78.0-120				
(S) a,a,a-Trifluorotoluene(PID)				108	109	79.0-125				

Semi-Volatile Organic Compounds (GC) by Method 8015D

[L1849795-01,02,03,04](#)

Method Blank (MB)

(MB) R4205335-1 04/25/25 09:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
C10-C28 Diesel Range	U		0.0605	0.100
C28-C36 Motor Oil Range	U		0.0772	0.100
(S) o-Terphenyl	87.0			52.0-156

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4205335-2 04/25/25 09:24 • (LCSD) R4205335-3 04/25/25 09:44

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
C10-C28 Diesel Range	1.50	1.55	1.61	103	107	50.0-150			3.80	20
(S) o-Terphenyl				101	109	52.0-156				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

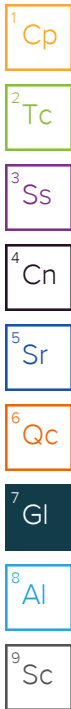
Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.



Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
---	---

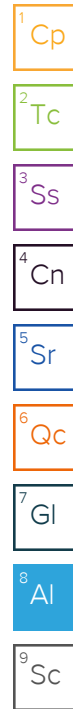
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122


Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: Arcadis - Chevron - NM 1004 N Big Spring Street Suite 121 Midland, TX 79701		Billing Information: Arcadis, US, Inc. 630 Plaza Drive, Suite 200 Highlands Ranch, CO 80129		Pres Chk	Analysis / Container / Preservative						Chain of Custody Page ___ of ___
Report to: Sarah Johnson 432-227-0266		Email To: sarah.johnson@arcadis.com;nadja.cintronfranq									 PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf SDG # 1849795 <div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold;">1201</div> Acctnum: CHEVARCNM Template: T271921 Prelogin: P1144257 PM: 840 - Katie Ingram PB: Shipped Via:
Project Description: WTU 622	City/State Collected:	Please Circle: PT MT CT ET									
Regulatory Program(DOD,RCRA,DW,etc):	Client Project # 30195192	Lab Project # CHEVARCNM-WTU622									
Collected by (print): <i>Chris Payton</i>	Site/Facility ID # WTU 622	P.O. #									
Collected by (signature): <i>Chris R</i>	Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day <input checked="" type="checkbox"/> STD TAT		Quote #								
Immediately Packed on Ice N ___ Y <input checked="" type="checkbox"/>	Date Results Needed		No. of Cntrs								
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time						
TMW-1-W-20250417	G	GW		4-17-25	0901	5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
TMW-2-W-20250417		GW			0930					- 01	
TMW-3-W-20250417		GW			1000					- 02	
TMW-4-W-20250417		GW			1030					- 03	
		GW								- 04	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:		Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier		Tracking # 74640846 5733		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
Relinquished by: (Signature) <i>Chris R</i>	Date: 4-17-25	Time: 3:45	Received by: (Signature) <i>James Cote</i>	Trip Blank Received: Yes / <input checked="" type="checkbox"/> No HCL / MeOH TBR		Temp: °C 9.1 + 4 = 9.5 20		Bottles Received:		If preservation required by Login: Date/Time	
Relinquished by: (Signature) <i>James Cote</i>	Date: 4/17/25	Time: 4:30	Received by: (Signature)	Date: 4/18/25		Time: 0845		Hold:		Condition: NCF / <input checked="" type="checkbox"/> OK	



ANALYTICAL REPORT

April 25, 2025

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Arcadis - Chevron - NM

Sample Delivery Group: L1849796
 Samples Received: 04/18/2025
 Project Number: 30195192
 Description: WTU 622
 Site: WTU 622
 Report To: Sarah Johnson
 1004 N Big Spring Street
 Suite 121
 Midland, TX 79701

Entire Report Reviewed By:










Katie Ingram
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

Cp: Cover Page	1	
Tc: Table of Contents	2	
Ss: Sample Summary	3	
Cn: Case Narrative	4	
Sr: Sample Results	5	
TMW-1-W-20250417 L1849796-01	5	
TMW-2-W-20250417 L1849796-02	6	
TMW-3-W-20250417 L1849796-03	7	
TMW-4-W-20250417 L1849796-04	8	
Qc: Quality Control Summary	9	
Gravimetric Analysis by Method 2540 C-2011	9	
Wet Chemistry by Method 300.0	10	
Gl: Glossary of Terms	11	
Al: Accreditations & Locations	12	
Sc: Sample Chain of Custody	13	

TMW-1-W-20250417 L1849796-01 GW

Collected by Chris Payton
 Collected date/time 04/17/25 09:01
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2496059	1	04/22/25 07:19	04/23/25 09:20	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2494869	500	04/23/25 03:17	04/23/25 03:17	ZSA	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

TMW-2-W-20250417 L1849796-02 GW

Collected by Chris Payton
 Collected date/time 04/17/25 09:30
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2496059	1	04/22/25 07:19	04/23/25 09:20	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2494869	100	04/23/25 03:30	04/23/25 03:30	ZSA	Mt. Juliet, TN

4 Cn

5 Sr

6 Qc

TMW-3-W-20250417 L1849796-03 GW

Collected by Chris Payton
 Collected date/time 04/17/25 10:00
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2496059	1	04/22/25 07:19	04/23/25 09:20	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2494869	100	04/23/25 03:43	04/23/25 03:43	ZSA	Mt. Juliet, TN

7 Gl

8 Al

9 Sc

TMW-4-W-20250417 L1849796-04 GW

Collected by Chris Payton
 Collected date/time 04/17/25 10:30
 Received date/time 04/18/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2496059	1	04/22/25 07:19	04/23/25 09:20	BDC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2494869	100	04/23/25 04:21	04/23/25 04:21	ZSA	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Katie Ingram
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc

Collected date/time: 04/17/25 09:01

L1849796

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	19600		400	1	04/23/2025 09:20	WG2496059

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	9010		274	500	500	04/23/2025 03:17	WG2494869

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/17/25 09:30

L1849796

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	14900		400	1	04/23/2025 09:20	WG2496059

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	6360		54.7	100	100	04/23/2025 03:30	WG2494869

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 04/17/25 10:00

L1849796

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	10500		200	1	04/23/2025 09:20	WG2496059

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	4030		54.7	100	100	04/23/2025 03:43	WG2494869

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Collected date/time: 04/17/25 10:30

L1849796

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	13700		200	1	04/23/2025 09:20	WG2496059

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	5890		54.7	100	100	04/23/2025 04:21	WG2494869

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

[L1849796-01,02,03,04](#)

Method Blank (MB)

(MB) R4205088-1 04/23/25 09:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	U		10.0	10.0

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1849671-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1849671-04 04/23/25 09:20 • (DUP) R4205088-3 04/23/25 09:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	781	775	1	0.856		10

L1849796-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1849796-04 04/23/25 09:20 • (DUP) R4205088-4 04/23/25 09:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	13700	14100	1	2.59		10

Laboratory Control Sample (LCS)

(LCS) R4205088-2 04/23/25 09:20

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8600	97.7	90.0-110	

Wet Chemistry by Method 300.0

[L1849796-01,02,03,04](#)

Method Blank (MB)

(MB) R4203805-1 04/23/25 00:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	U		0.547	1.00

¹Cp

²Tc

³Ss

L1849707-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1849707-03 04/23/25 01:34 • (DUP) R4203805-3 04/23/25 01:47

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	36.2	36.0	1	0.672		15

⁴Cn

⁵Sr

L1849861-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1849861-01 04/23/25 04:34 • (DUP) R4203805-6 04/23/25 04:47

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	67.9	67.7	1	0.367		15

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4203805-2 04/23/25 00:29

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40.0	38.6	96.5	90.0-110	

L1849707-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849707-03 04/23/25 01:34 • (MS) R4203805-4 04/23/25 01:59 • (MSD) R4203805-5 04/23/25 02:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	40.0	36.2	66.4	66.9	75.4	76.7	1	90.0-110	<u>J6</u>	<u>J6</u>	0.768	15

L1849861-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1849861-01 04/23/25 04:34 • (MS) R4203805-7 04/23/25 05:00

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Chloride	40.0	67.9	90.4	56.2	1	90.0-110	<u>J6</u>

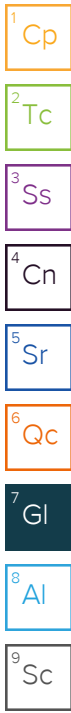
Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.



Qualifier Description

J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
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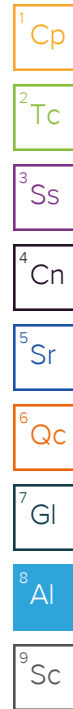
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address:
Arcadis - Chevron - NM
 1004 N Big Spring Street
 Suite 121
 Midland, TX 79701

Billing Information:
Arcadis, US, Inc.
 630 Plaza Drive, Suite 200
 Highlands Ranch, CO 80129

Report to:
Sarah Johnson 432-227-0266

Project Description:
WTU 622

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
30195192

Lab Project #
CHEVARCNM-WTU622

Collected by (print):
Chris Payton

Site/Facility ID #
WTU 622

Collected by (signature):
Chris R

Rush? (Lab MUST Be Notified)
 Same Day _____ Five Day _____
 Next Day _____ 5 Day (Rad Only) _____
 Two Day _____ 10 Day (Rad Only) _____
 Three Day _____ STD TAT

Immediately Packed on Ice N Y

City/State Collected: _____ Please Circle: PT MT CT ET

Email To:
 sarah.johnson@arcadis.com;nadja.cintronfranq

Pres Chk

Analysis / Container / Preservative	Chain of Custody	Page	of
BTEX GRO 40mlAmb-HCl			
CHLORIDE-300 125mlHDPE-NoPres			
DROMMLVI 40mlAmb-HCl+BT			
TDS 1L-HDPE NoPres			

Chain of Custody Page ___ of ___

Pace
 PEOPLE ADVANCING SCIENCE

MT JULIET, TN
 12065 Lebanon Rd Mount Juliet, TN 37122
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

SDG # **1849796**

I202

Acctnum: **CHEVARCNM**
 Template: **T271921**
 Prelogin: **P1144257**
 PM: 840 - Katie Ingram
 PB:
 Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	No. of	Remarks	Sample # (Lab only)
TMW-1-W-20250417	Ga	GW		4-17-25	0901	2			-01
TMW-2-W-20250417		GW			0930				-02
TMW-3-W-20250417		GW			1000				-03
TMW-4-W-20250417		GW			1030				-04

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other _____

Remarks:

Samples returned via:
 ___ UPS ___ FedEx ___ Courier _____

Tracking # **746408465733**

pH _____ Temp _____
 Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N

If Applicable

VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature) *Chris K* Date: **4-17-25** Time: **3:45**

Received by: (Signature) *James Calata* Trip Blank Received: Yes/No _____
 HCL/ MeOH _____
 TBR _____

Relinquished by: (Signature) *James Calata* Date: **4/17/25** Time: **4:30**

Received by: (Signature) _____ Temp: **4.1+4=9.5** °C Bottles Received: **8**

Relinquished by: (Signature) _____ Date: **4/18/25** Time: **0845**

Received for lab by: (Signature) _____ If preservation required by Login: Date/Time _____

Hold: _____ Condition: **NCF / OK**

Arcadis U.S., Inc.
1330 Post Oak Blvd., Suite 2250
Houston, TX 77056
United States
Phone: 713 953 4800
www.arcadis.com

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/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 536760

CONDITIONS

Operator: CHEVRON MIDCONTINENT, L.P. 6301 Deauville Blvd Midland, TX 79706	OGRID: 241333
	Action Number: 536760
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
shanna.smith	OCD records indicate that an approved Stage 1 plan is not on file. Pursuant to 19.15.30 NMAC Chevron must submit a Stage 1 Abatement plan no later than May 29, 2026, that meets all of the requirements of 19.15.30.13 NMAC.	2/27/2026
shanna.smith	TPH and BTEX detections constitute contamination of oil-based products or oil/gas production.	2/27/2026
shanna.smith	OCD does not have record of March 4, 2025, Background Soil and Groundwater Assessment Work Plan found in Appendix B. Provide copy for record and approval letter so OCD can update our online records.	2/27/2026
shanna.smith	All groundwater samples will be analyzed according to all constituents in 20.6.2.3103 NMAC Pursuant to 19.15.30.9.B(2) NMAC. Operators may request to reduce sampling constituents based upon future results.	2/27/2026
shanna.smith	Quarterly monitoring and sampling reports will be submitted after laboratory reports are received.	2/27/2026