November 17, 2025

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Deferral Request
Shinnery Oak SWD 1
Incident Number nAPP2500345021
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of San Mateo Stebbins Water Management, LLC (San Mateo), has prepared this *Deferral Request* (*DR*) to document assessment and soil sampling activities performed at the Shinnery Oak SWD 1 (Site) in Unit I, Section 12, Township 21 South, Range 28 East, in Eddy County, New Mexico (Figure 1). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following an equipment failure at the Site. Based on field observations following excavation, field screening activities, and soil sample laboratory analytical results, San Mateo is submitting this *DR*, describing Site assessment and excavation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2500345021 until the Site is reconstructed and/or the pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Eddy County, New Mexico (32.49261°, -104.03392°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On January 3, 2025, a valve failure caused an overflow of a storage tank resulting in the release of 1,532 barrels (bbls) crude oil and 383 bbls of produced water inside the lined secondary containment and onto the pad surface; 1,532 bbls of crude oil and 245 bbls of produced water were recovered via vacuum truck and 138 bbls of produced water were unrecoverable. San Mateo reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) on January 3, 2025, and submitted a Release Notification Form C-141 (Form C-141) on January 3, 2025. The release was assigned Incident Number nAPP2500345021. A 48-hour advance notice of a liner inspection was submitted via the NMOCD Portal on January 14, 2025. A liner integrity inspection was conducted by Ensolum personnel on January 17, 2025, and the liner was determined to be insufficient to contain the release in question. The Form C-141 can be referenced within the NMOCD Incident Portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below.

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Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the closest permitted groundwater well with depth to groundwater data, which is New Mexico Office of the State Engineer (NMOSE) well, CP-02090 POD1, located at the Site. The well was a soil boring drilled to assess depth to groundwater beneath the Site and was advanced to a depth of approximately 105 feet below ground surface (bgs) on October 14, 2025, and measured on October 17, 2025. No moisture or groundwater was encountered during drilling activities. The temporary well was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed groundwater beneath the Site is greater than 105 feet bgs.

There are no regional or Site-specific hydrogeological conditions, such as shallow surface water or vegetation to suggest the Site is conducive to shallow groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 1,953 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is potentially underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

On March 3, 2025, Ensolum commissioned a geophysical karst survey using a BLM approved third-party cave/karst contractor. The karst survey was conducted by Southwest Geophysical Consulting, LLC, under the supervision of Dave Decker. The findings of the report indicated there was no evidence of karst features within 200 feet of the release or beneath the Site and determined the underlying geology appears to be stable. The karst survey report is included in Appendix B. Based on the findings of the karst survey, unstable geology and/or potential conduits to groundwater through karst features appear to be absent.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

SITE ASSESSMENT ACTIVITIES

Beginning on January 8, 2025, Ensolum personnel were onsite to delineate the lateral and vertical extent of the release as indicated by field observations and information provided in the C-141. Eleven lateral soil samples (SS01, SS02, SS02B, SS03, SS03A, SS04 through SS08, and SS10) were collected at ground surface; preliminary soil sample name SS09 was inadvertently skipped during this delineation soil sampling event. A total of 12 boreholes (BH01 through BH12) were advanced via hand auger, track hoe, core drill, and a Geoprobe® 7822DT direct-push technology (DPT) rig within the release extent to assess the vertical extent of the release. Boreholes BH01 through BH12 were advanced to depths ranging from 1-foot to 57.5 feet bgs.

A liner integrity inspection was conducted on January 17, 2025, and six holes were found in the liner. Boreholes BH03 through BH08 were advanced within the secondary lined containment area utilizing a hand auger, core drill, and DPT rig to determine the vertical extent of impacted and waste-containing soil beneath the lined secondary containment area. Borehole BH03 was advanced to a depth of 1.5 feet bgs, borehole BH04 was advanced to a depth of 14 feet bgs, borehole BH05 was advanced to a depth of 1-foot bgs, borehole BH06 was advanced to a depth of 7 feet bgs, borehole BH07 was advanced to a depth of 15 feet bgs, and borehole BH08 was advanced to a depth of 3 feet bgs. A section of the south containment wall was removed to allow the DPT rig to be brought in to advance the delineation of boreholes BH04 and BH07 to their terminal depths. After the delineation inside the secondary containment area was completed, all holes were patched by Ensolum personnel and Dupree Energy LLC.

Boreholes BH01, BH02, and BH09 through BH12 were advanced outside of the lined containment area within the release extent via hand auger, track hoe, core drill, and a DPT rig. Borehole BH01 was advanced to a depth of 35 feet bgs, borehole BH02 was advanced to a depth of 15 feet bgs, borehole BH09 was advanced to a depth of 1-foot bgs, borehole BH10 was advanced to a depth of 3 feet bgs, and boreholes BH11 and BH12 were advanced to a depth of 57.5 feet bgs.

On July 29, 2025, Ensolum personnel returned to the Site to collect lateral soil samples SS09 and SS11 to determine the lateral extent of the release to the west of the tank battery.

On October 14, 2025, Ensolum personnel returned to the Site to advance boreholes BH11 and BH12 utilizing an air rotary drill rig. Boreholes BH11 and BH12 were advanced to a depth of 59 feet bgs and 60 feet bgs, respectively.

All delineation soil samples were field screened for chloride and TPH utilizing Hach® chloride QuanTab® test strips and a PetroFLAG® Soil Analyzer System, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. Photographic documentation of delineation activities is included in Appendix D.

All soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Through the assessment and delineation process, the following nomenclature changes were applied on laboratory chain of custodies:

- Sample SS07 collected and submitted to Envirotech, under work order number E501057 on January 8, 2025, was collected as a step out sample due to SS03 failing to meet Site Closure Criteria at ground surface. This sample was renamed SS03A to prevent confusion in the numbering sequence of the preliminary soil samples.
- Samples collected and submitted to Envirotech, under work order number E501137 on January 17, 2025, were initially submitted as samples BH01 through BH06. Sample names BH01 and BH02 had previously been used for samples collected on January 13, 2025. Ensolum personnel called Envirotech to remedy this mistake so sample locations BH01 through BH06 collected on January 17, 2025, were renamed as BH03 through BH08.

- Sample BH11 – 20', collected and submitted to Envirotech under work order number E504231 on April 21, 2025, was mislabeled as BH-11 20' while filling the chain of custody. This error was corrected by the sampler prior to submission to the lab.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples SS01 through SS08, SS10 through SS18, SS02A, SS03A, SS09A, SS09B, and SS11A, collected around the release extent, indicated all COCs were compliant with the Site Closure Criteria and with the strictest Table I Closure Criteria. Laboratory analytical results for lateral delineation soil samples SS01A, SS05A, SS07A, SS08A and SS09, collected around the release extent, were compliant with the Site Closure Criteria per NMOCD Table I. Laboratory analytical results from delineation boreholes BH01, BH02, BH09, and BH12, collected from the on-pad release extent, and delineation boreholes BH05, BH06, and BH08 collected from under the secondary lined containment were in compliance with the Site Closure Criteria at ground surface. Borehole BH01 was in compliance with the strictest Table I Closure Criteria at 25 feet bgs. Boreholes BH02 and BH07 indicated all COC's were in compliance with the strictest Closure Criteria at 15 feet bgs. Boreholes BH08 and BH10 were in compliance with the strictest Table I Closure Criteria at 3 feet bgs. Boreholes BH11 and BH12 indicated all COC's were in compliance with the strictest Closure Criteria at 58 feet bgs.

Laboratory analytical results from delineation boreholes BH03, BH04, and BH07, collected beneath the lined containment area exceeded the Site Closure Criteria at ground surface. Boreholes BH02 and BH07 were in compliance with the Site Closure Criteria at 2 feet bgs. Borehole BH05 was compliant with the Site Closure Criteria at 0.5 feet bgs and in compliance with the strictest Closure Criteria at 5 feet bgs. Delineation borehole BH04 was compliant with the Site Closure Criteria at 4 feet bgs and with the strictest Closure Criteria at 6 feet bgs. Boreholes BH01 and BH03 were in compliance with the Site Closure Criteria and with the strictest Closure Criteria at 0.5 feet bgs. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical report is included as Appendix D.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Based on laboratory analytical results from vertical delineation, impacted soil was confirmed within the release extent, which required remedial action. Beginning on September 8 through September 12, 2025, Ensolum personnel were on Site to complete excavation of the accessible impacted soil within the release area. Impacted and waste-containing soil was excavated via hydro-vac, backhoe, hand tools, and dump trucks from the release extent outside of containment as indicated by visible staining and delineation soil sampling results. Excavation activities occurred on the west side of the caliche pad and around associated production equipment. To direct excavation activities, Ensolum personnel screened soil for TPH and chloride utilizing the methods described above.

Impacted soil was removed outside of the lined containment and based on field screening results and observations, impacted soil in accessible areas was completed. Impacted soil is limited to the area directly below the containment liner and active production equipment within the lined containment as indicated by boreholes BH03, BH04, and BH07, where remediation would require a major facility deconstruction and multiple weeks of facility shut down due to absence of spill control measures. Excavation to address impacted soil was completed to the maximum extent practicable (MEP). Tears in the liner have been repaired, limiting exposure of potential future releases to the subsurface and potential vertical migration of residual petroleum hydrocarbons through the introduction of precipitation. The repairs also prevent human or wildlife exposure to COCs.

Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS67) were collected from the floor of the excavation at depths ranging from 0.5 feet to 3 feet bgs. Twenty-one confirmation sidewall soil samples (SW01 through SW21) were collected from the sidewalls of the excavation. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 12,676 square feet. A total of approximately 382 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Disposal.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation floor samples FS01 through FS67, collected from the floor of the excavation area, were compliant with the Site Closure Criteria at depths ranging from ground surface to 3 feet bgs. Laboratory analytical results from confirmation sidewall soil samples SW01, SW13, SW15, SW17, SW19, collected from ground surface to 1-foot bgs, were all in compliance with the Site Closure Criteria and with the strictest Table I Closure Criteria. Laboratory analytical results from confirmation sidewall soil samples SW02 through SW12, SW14, SW16, SW18, SW20, and SW21, collected from ground surface to 3 feet bgs, were all in compliance with the Site Closure Criteria. Laboratory analytical results are summarized in Tables 2 and 3 and the complete laboratory analytical report is included as Appendix D.

DEFERRAL REQUEST

San Mateo is requesting deferral of final remediation due to the presence of active production equipment, process piping, the supports beneath them, preventing full excavation of impacted soil. The estimated area of remaining impacted soil measures approximately 5,508 square feet, and assuming a depth of up to 1-foot bgs under the lined containment based on the laboratory analytical results from delineation boreholes BH03, BH04, and BH07 a total of approximately 204 cubic yards of impacted soil remains in place. The deferral area and delineation soil samples are depicted on Figure 4.

Impacted soil is limited to the area beneath active production equipment, where remediation would require a major facility deconstruction. The release extent has been laterally delineated by delineation soil samples SS01, SS02, SS03A, and SS04 through SS12 at ground surface and 1-foot bgs, sidewall soil samples SW01, SW13, SW15, SW17, and SW19 from ground surface to 3 feet bgs and vertically delineated by borehole samples BH01 through BH01, BH02, BH04, BH07, BH08, and BH09 through BH12 at depths ranging from 1-foot to 60 feet bgs.

San Mateo does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Regional depth to groundwater is estimated to be greater than 100 feet bgs, and all accessible impacted soil was removed to the MEP during excavation activities. Impacted soil is limited beneath the repaired liner, which is protective of human health, the environment, and groundwater. Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, San Mateo requests deferral of final remediation for Incident Number nAPP2500345021 until final reclamation of the well pad or major construction, whichever comes first.

If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or agiovengo@ensolum.com.

Sincerely,
Ensolum, LLC

Chad Hamilton
Project Geologist

Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist

cc: Jason Touchet, Matador
BLM

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Figure 4	Area of Requested Deferral
Table 1	Delineation Soil Sample Analytical Results
Table 2	Excavation Soil Sample Analytical Results
Table 3	Sidewall Soil Sample Analytical Results
Appendix A	Well Record and Log
Appendix B	Karst Survey
Appendix C	Lithologic Soil Sampling Logs
Appendix D	Photographic Log
Appendix E	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F	NMOCD Correspondence

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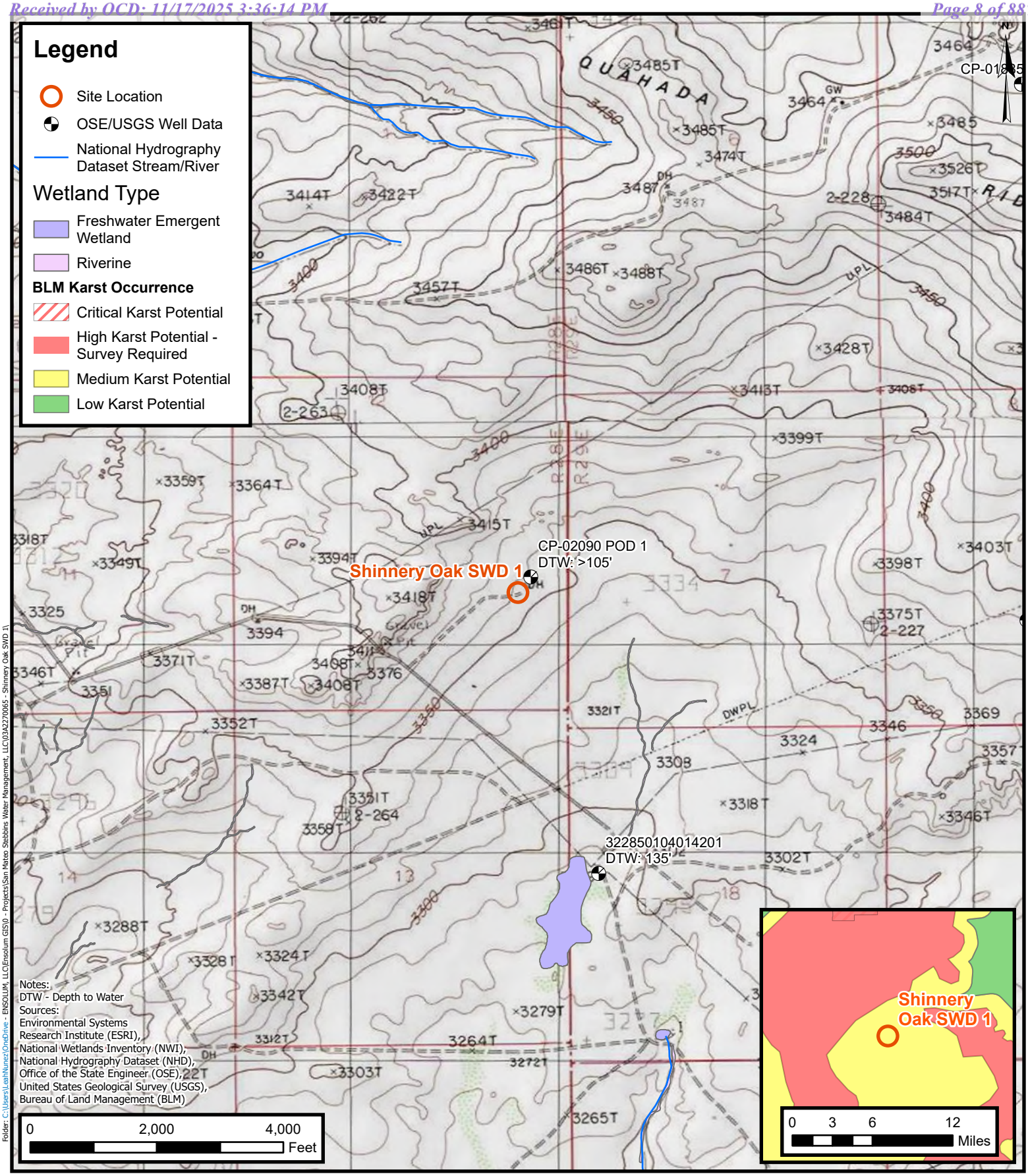
FIGURES



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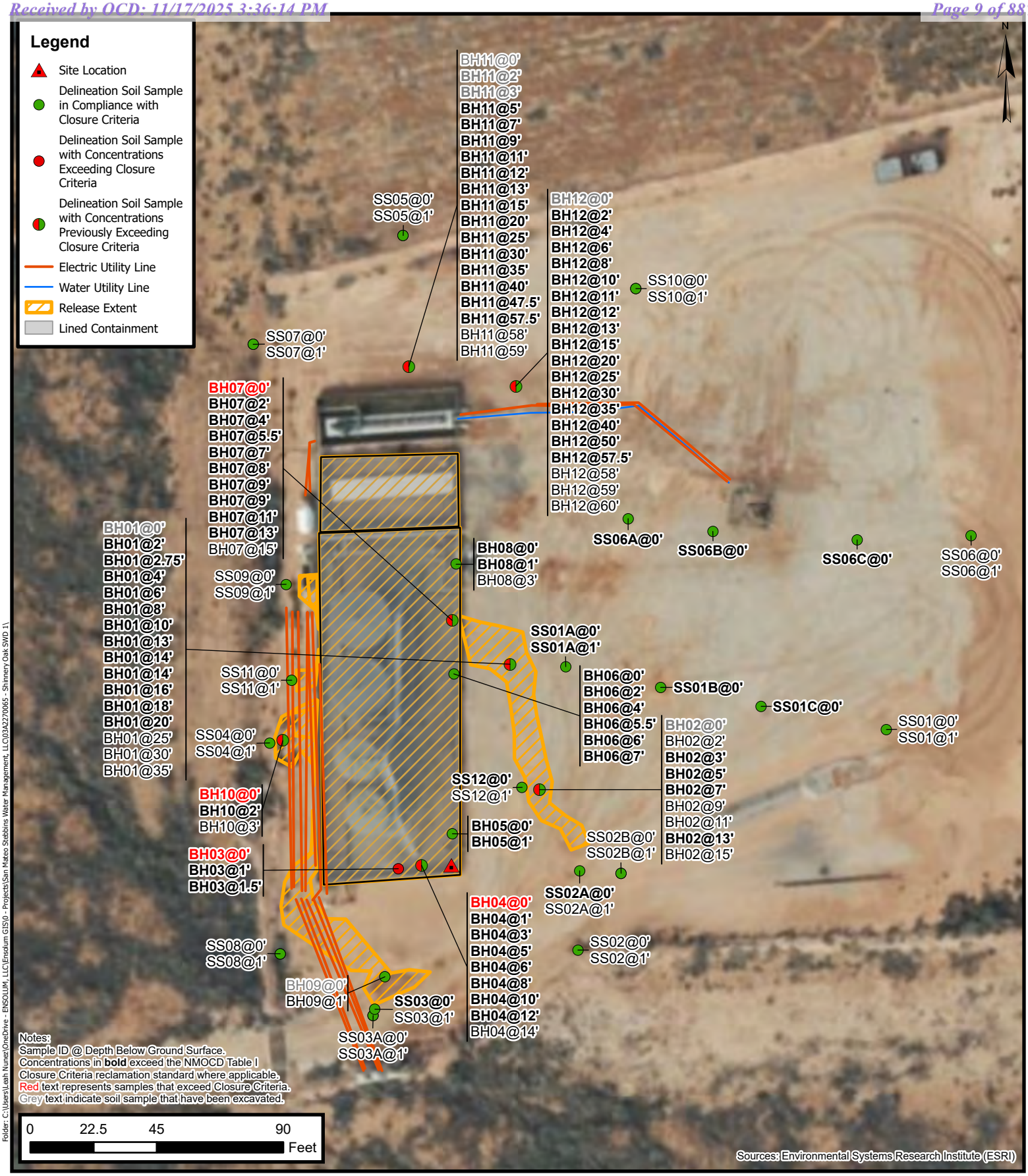
Site Receptor Map

San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
Incident Number: nAPP2500345021
Unit I, Section 12, T 21S, R 28E
Eddy County, New Mexico

FIGURE 1



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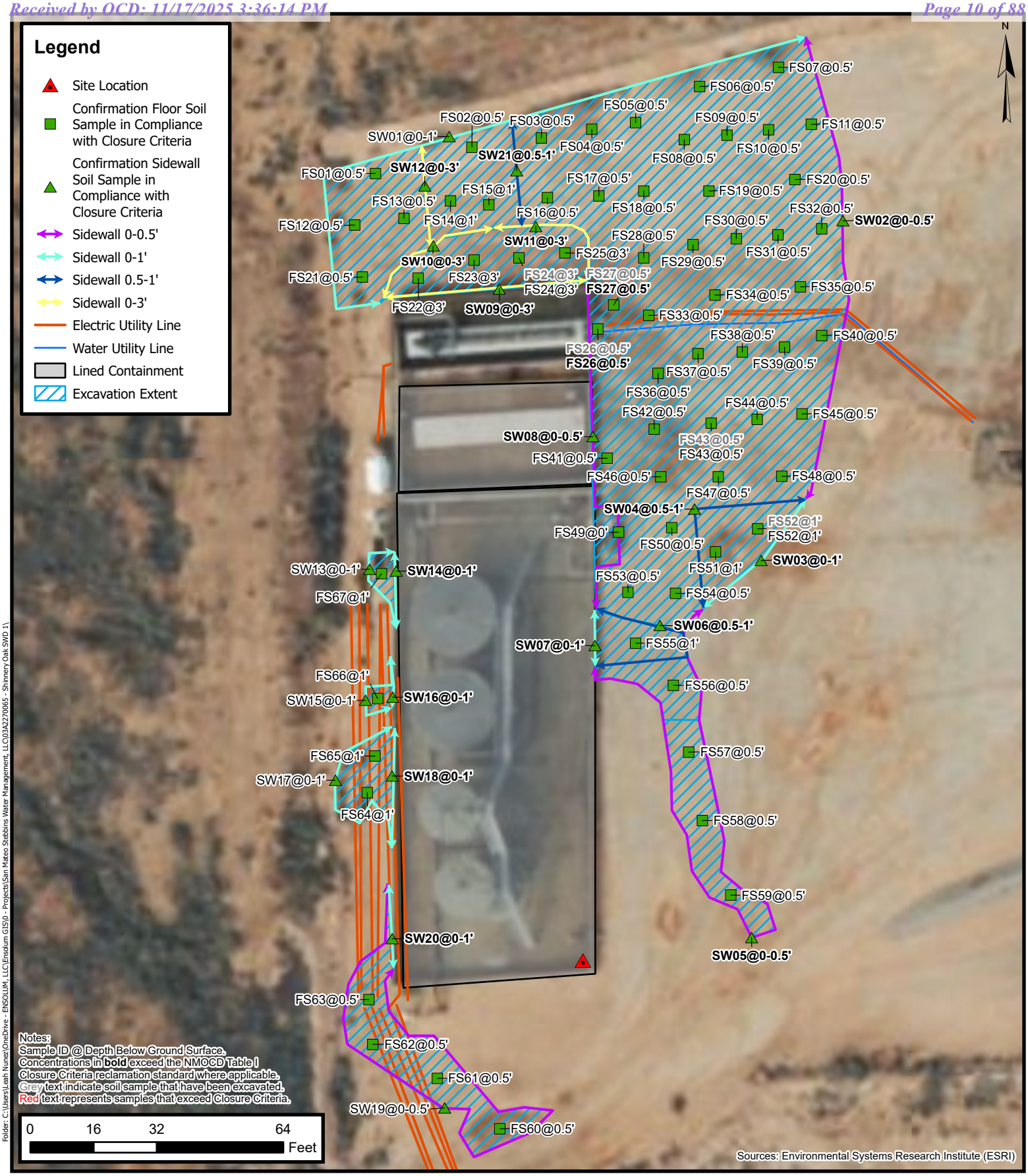
Delineation Soil Sample Locations

San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
Incident Number: nAPP2500345021
Unit I, Section 12, T 21S, R 28E
Eddy County, New Mexico

FIGURE 2



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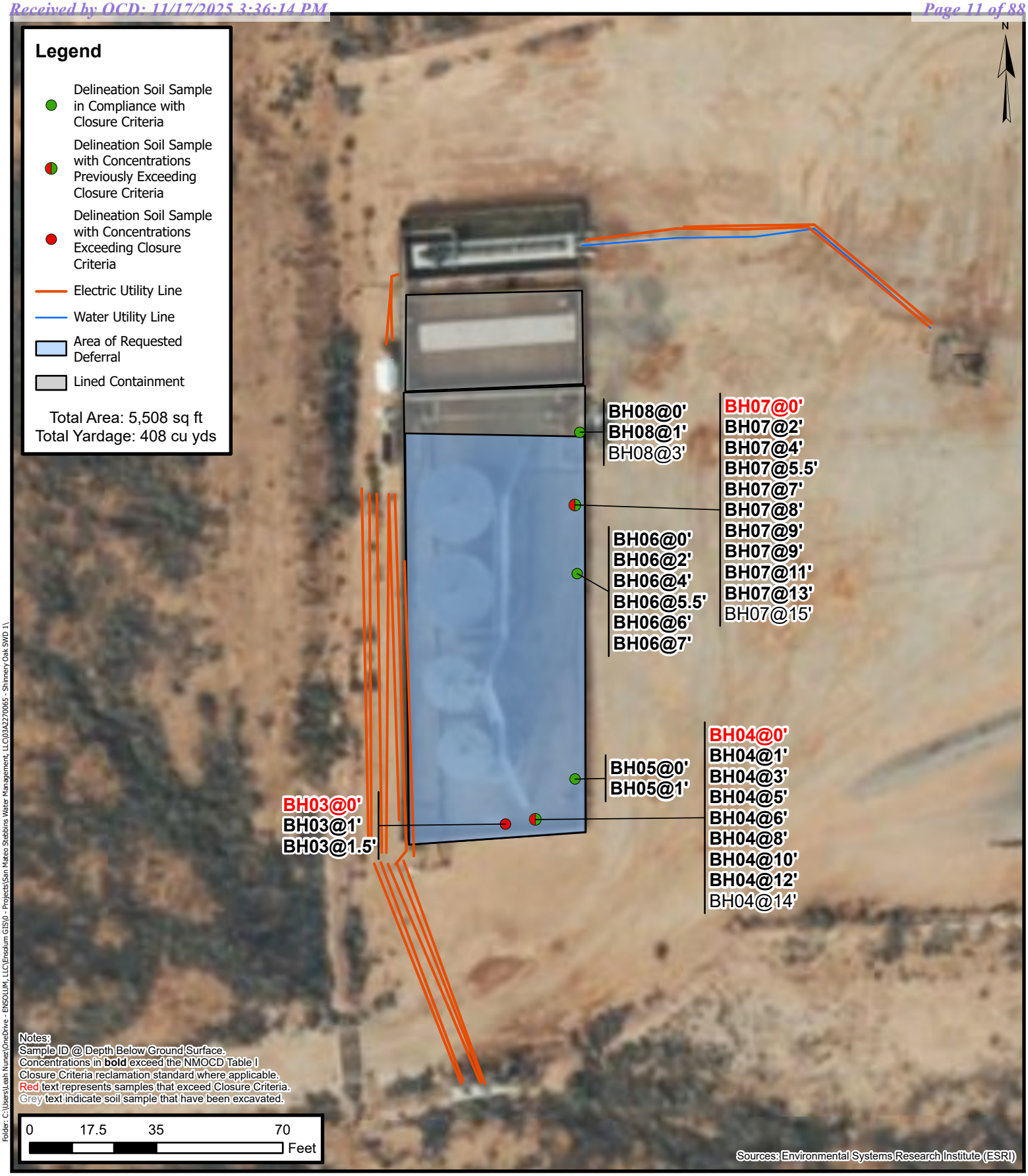
Confirmation Soil Sample Locations

San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
Incident Number: nAPP2500345021
Unit I, Section 12, T 21S, R 28E
Eddy County, New Mexico

FIGURE 3



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Area of Requested Deferral

San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
Incident Number: nAPP2500345021
Unit I, Section 12, T 21S, R 28E
Eddy County, New Mexico

FIGURE 4

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Shinnery Oak SWD 1
San Mateo Stebbins Water Management, LLC
Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples										
SS01	4/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	541
SS01	4/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS01A	9/8/2025	0	<0.0250	<0.0500	<20.0	162	246.0	162	<50.0	**1,760**
SS01A	9/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,070**
SS01B	10/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,540**
SS01C	10/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,910**
SS02	4/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.2
SS02	4/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	169
SS02A	9/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,290**
SS02A	9/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	544
SS02B	1/9/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	61.1
SS02B	1/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	240
SS03	1/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,820**
SS03	1/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	344
SS03A	1/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS003A	1/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	1/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.4
SS04	1/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	1/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.3
SS05	1/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	4/22/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	264
SS06	4/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	90.2
SS06A	10/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,730**
SS06B	10/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,720**
SS06C	10/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**717**
SS07	1/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	112
SS07	1/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	173
SS08	1/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.4
SS08	1/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.2
SS09	7/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	129

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TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Shinnery Oak SWD 1
San Mateo Stebbins Water Management, LLC
Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples										
SS09	7/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	208
SS10	1/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	221
SS10	1/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	251
SS11	7/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	60.8
SS11	7/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	253
SS12	9/8/2025	0	<0.0250	<0.0500	<20.0	63.4	70.6	63.4	**134**	371
SS12	9/8/2025	1	0.0323	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	553
BH01	1/13/2025	0	<0.0250	<0.0500	<20.0	1,830	584	**1,830**	**2,414**	**4,740**
BH01	1/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,020**
BH01	1/21/2025	2.75	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,500**
BH01	1/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,840**
BH01	1/28/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,940**
BH01	1/28/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,320**
BH01	4/17/2025	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,060**
BH01	4/17/2025	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,100**
BH01	4/17/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**795**
BH01	4/17/2025	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	545
BH01	4/17/2025	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	548
BH01	4/17/2025	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	360
BH02	1/13/2025	0	<0.0250	<0.0500	<20.0	146	54.8	**146**	**201**	**6,950**
BH02	1/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	461
BH02	1/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,420**
BH02	4/17/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,170**
BH02	4/17/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**860**
BH02	4/17/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	578
BH02	4/17/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	517
BH02	4/17/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**624**
BH02	4/17/2025	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	378
BH03	1/17/2025	0	1.43	11.3	112	3,590	1,210	**3,702**	**4,912**	**9,270**
BH03	1/17/2025	1	0.0255	0.0530	<20.0	<25.0	<50.0	<25.0	<50.0	**2,450**
BH03	1/17/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,800**

ENSOLUM

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Shinnery Oak SWD 1
San Mateo Stebbins Water Management, LLC
Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples										
BH04	1/17/2025	0	5.01	**148.71**	720	15,600	4,680	**16,320**	**21,000**	**1,410**
BH04	1/17/2025	1	0.0642	0.559	<20.0	445	146	445	**591**	409
BH04	1/20/2025	3	<0.0250	0.0517	<20.0	53.0	<50.0	53.0	53.0	**874**
BH04	1/20/2025	5	<0.0250	<0.0500	<20.0	240	141	240	**381**	**1,110**
BH04	1/24/2025	6	<0.0250	<0.0500	<20.0	35	<50.0	35.2	35.2	**1,310**
BH04	4/17/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,150**
BH04	4/17/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**925**
BH04	4/17/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,520**
BH04	4/17/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	432
BH05	1/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,710**
BH05	1/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**5,330**
BH06	1/17/2025	0	<0.0250	0.0539	<20.0	<25.0	<50.0	<25.0	<50.0	**6,560**
BH06	1/17/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**993**
BH06	1/17/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,710**
BH06	1/20/2025	5.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,390**
BH06	1/24/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,440**
BH06	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,090**
BH07	1/17/2025	0	1.88	16.7	152	2,350	798	**2,502**	**3,300**	**995**
BH07	1/17/2025	2	<0.0250	0.054	<20.0	<25.0	<50.0	<25.0	<50.0	**1,870**
BH07	1/17/2025	4	<0.0250	0.054	<20.0	<25.0	<50.0	<25.0	<50.0	**1,180**
BH07	1/20/2025	5.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,440**
BH07	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,230**
BH07	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**992**
BH07	1/24/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**703**
BH07	4/17/2025	9	<0.0250	<0.0500	<20.0	178	53.7	**178**	**232**	**2,540**
BH07	4/17/2025	11	<0.0250	<0.0500	<20.0	221	78.4	**221**	**299**	**2,790**
BH07	4/17/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**642**
BH07	4/17/2025	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	98.3
BH08	1/17/2025	0	0.0633	0.834	<20.0	348	143	**348**	**491**	**6,330**
BH08	1/17/2025	1	0.0313	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,980**
BH08	1/17/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	499

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TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Shinnery Oak SWD 1
San Mateo Stebbins Water Management, LLC
Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples										
BH09	1/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	61.8
BH09	1/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH10	1/21/2025	0	0.743	26.5	158	20,300	7,700	**20,458**	**28,158**	**7,090**
BH10	1/21/2025	2	<0.0250	0.429	<20.0	117	84	**117**	**201**	45.3
BH10	4/17/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH11	1/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	383
BH11	1/21/2025	2	<0.0250	<0.0500	<20.0	6,080	57.3	**6,080**	**6,137**	**1,190**
BH11	1/21/2025	3	<0.0250	<0.0500	<20.0	550	<50.0	**550**	**550**	**1,670**
BH11	1/29/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,480**
BH11	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**983**
BH11	1/29/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,580**
BH11	1/29/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,910**
BH11	1/29/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,710**
BH11	1/29/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,860**
BH11	4/21/2025	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,360**
BH11	4/21/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,480**
BH11	4/21/2025	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,280**
BH11	4/21/2025	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,350**
BH11	4/21/2025	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,770**
BH11	4/21/2025	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,500**
BH11	4/21/2025	47.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,210**
BH11	4/22/2025	57.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**830**
BH11	10/14/2025	58	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	163
BH11	10/14/2025	59	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	122
BH12	1/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**17,700**
BH12	1/21/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**4,550**
BH12	1/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**5,070**
BH12	1/29/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**4,010**
BH12	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,320**
BH12	1/29/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,330**
BH12	1/29/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,280**
BH12	1/29/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,070**

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TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Shinnery Oak SWD 1
San Mateo Stebbins Water Management, LLC
Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples										
BH12	1/29/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,400**
BH12	4/21/2025	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,710**
BH12	4/21/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,820**
BH12	4/21/2025	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,080**
BH12	4/21/2025	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,660**
BH12	4/21/2025	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,340**
BH12	4/22/2025	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,210**
BH12	4/22/2025	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,900**
BH12	4/22/2025	57.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,680**
BH12	10/14/2025	58	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	469
BH12	10/14/2025	59	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	307
BH12	10/14/2025	60	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	207

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

Red *text represents samples that exceed expected Closure Criteria*

"<": Laboratory Analytical result is less than reporting limit

Concentrations in ***bold*** *exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.*

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
Shinnery Oak SWD 1
San Mateo Stebbins Water Management, LLC
Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Excavation Floor Soil Samples										
FS01	9/10/2025	0.5	<0.0250	<0.0500	<20.0	56.6	<50.0	56.6	56.6	475
FS02	9/10/2025	0.5	<0.0250	<0.0500	<20.0	25.7	<50.0	25.7	<50.0	**969**
FS03	9/10/2025	0.5	<0.0250	<0.0500	<20.0	34.0	<50.0	34.0	<50.0	**2,710**
FS04	9/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,210**
FS05	9/11/2025	0.5	<0.0250	<0.0500	<20.0	77.6	<50.0	77.6	77.6	**3,250**
FS06	9/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**6,230**
FS07	9/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**6,080**
FS08	9/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**6,150**
FS09	9/11/2025	0.5	<0.0250	<0.0500	<20.0	106	<50.0	106	**106**	**4,040**
FS10	9/11/2025	0.5	<0.0250	<0.0500	<20.0	69.1	55.2	69.1	**124**	**9,680**
FS11	9/11/2025	0.5	<0.0250	<0.0500	<20.0	83.1	74.6	83.1	**158**	<20.0
FS12	9/10/2025	0.5	<0.0250	<0.0500	<20.0	125	<50.0	125	**125**	**2,650**
FS13	9/10/2025	0.5	<0.0250	<0.0500	<20.0	318	<50.0	318	**318**	**4,740**
FS14	9/11/2025	1	<0.0250	<0.0500	<20.0	127	<50.0	127	**127**	**2,790**
FS15	9/11/2025	1	<0.0250	<0.0500	<20.0	48.5	<50.0	48.5	<50.0	**1,030**
FS16	9/10/2025	0.5	<0.0250	<0.0500	<20.0	142	<50.0	142	**142**	**1,690**
FS17	9/10/2025	0.5	<0.0250	<0.0500	<20.0	377	<50.0	377	**377**	**3,090**
FS18	9/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**5,670**
FS19	9/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**8,280**
FS20	9/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**7,730**
FS21	9/8/2025	0.5	<0.0250	<0.0500	<20.0	510	<50.0	510	510	**2,360**
FS22	9/9/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	254
FS23	9/10/2025	3	<0.0250	<0.0500	<20.0	27.0	<50.0	27.0	<50.0	139
FS24	9/9/2025	3	<0.0250	<0.0500	<20.0	1,190	<50.0	**1,190**	**1,190**	**1,550**
FS24	9/26/2025	3	<0.0250	<0.0500	<20.0	72.4	<50.0	72.4	<50.0	**2,720**
FS25	9/9/2025	3	<0.0250	0.0595	<20.0	677	<50.0	677	**677**	**1,430**
FS26	9/11/2025	0.5	<0.0250	<0.0500	<20.0	25.0	<50.0	25.0	<50.0	**13,200**
FS26	9/26/2025	0.5	<0.0250	<0.0500	<20.0	34.3	<50.0	34.3	<50.0	**933**
FS27	9/11/2025	0.5	<0.0250	<0.0500	<20.0	26.1	<50.0	26.1	<50.0	**15,900**

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TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
Shinnery Oak SWD 1
San Mateo Stebbins Water Management, LLC
Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Excavation Floor Soil Samples										
FS27	9/26/2025	0.5	<0.0250	<0.0500	<20.0	566	<50.0	566	**566.0**	**1,120**
FS28	9/11/2025	0.5	<0.0250	<0.0500	<20.0	64.0	58.4	64.0	**122**	**7,070**
FS29	9/11/2025	0.5	<0.0250	<0.0500	<20.0	47.0	<50.0	47.0	<50.0	**6,440**
FS30	9/8/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**6,660**
FS31	9/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**8,370**
FS32	9/8/2025	0.5	<0.0250	<0.0500	<20.0	28.5	70.4	28.5	98.9	**7,480**
FS33	9/11/2025	0.5	<0.0250	<0.0500	<20.0	31.2	<50.0	31.2	<50.0	<400
FS34	9/8/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**7,020**
FS35	9/8/2025	0.5	<0.0250	<0.0500	<20.0	27.5	<50.0	27.5	<50.0	**3,840**
FS36	9/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**7,310**
FS37	9/11/2025	0.5	<0.0250	<0.0500	<20.0	170	182	170	**352**	**9,980**
FS38	9/8/2025	0.5	<0.0250	<0.0500	<20.0	51.3	<50.0	51.3	51.3	**5,830**
FS39	9/8/2025	0.5	<0.0250	<0.0500	<20.0	55.3	55.3	55.3	**111**	**7,120**
FS40	9/8/2025	0.5	<0.0250	<0.0500	<20.0	55.8	63.2	55.8	**119**	**6,140**
FS41	9/8/2025	0.5	<0.0250	<0.0500	<20.0	168	131	168	**299**	**3,550**
FS42	9/11/2025	0.5	<0.0250	<0.0500	<20.0	131	167.0	131	**298**	**9,520**
FS43	9/11/2025	0.5	<0.0250	<0.0500	<20.0	188	209.0	188	**397**	**10,800**
FS43	9/26/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,910**
FS44	9/11/2025	0.5	<0.0250	<0.0500	<20.0	37.1	<50.0	37.1	<50.0	**4,640**
FS45	9/8/2025	0.5	<0.0250	<0.0500	<20.0	40.1	<50.0	40.1	<50.0	**7,860**
FS46	9/8/2025	0.5	<0.0250	<0.0500	<20.0	228	<50.0	228	**228**	**7,190**
FS47	9/8/2025	0.5	<0.0250	<0.0500	<20.0	35.6	<50.0	35.6	<50.0	**5,810**
FS48	9/8/2025	0.5	<0.0250	<0.0500	<20.0	286	298	286	**584**	**7,700**
FS49	9/26/2025	0	<0.0250	<0.0500	<20.0	47.4	<50.0	47.4	<50.0	**2,410**
FS50	9/8/2025	0.5	<0.0250	<0.0500	<20.0	117	72.6	117	**190**	**3,940**
FS51	9/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,830**
FS52	9/10/2025	1	<0.0250	0.302	30.0	2,020	<50.0	**2,050**	**2,050**	**1,920**
FS52	9/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,700**
FS53	9/8/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,580**

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TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
Shinnery Oak SWD 1
San Mateo Stebbins Water Management, LLC
Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Excavation Floor Soil Samples										
FS54	9/8/2025	0.5	<0.0250	<0.0500	<20.0	67.2	<50.0	67.2	67.2	**3,270**
FS55	9/10/2025	1	<0.0250	<0.0500	<20.0	45.6	<50.0	45.6	<50.0	**4,430**
FS56	9/10/2025	0.5	<0.0250	<0.0500	<20.0	150	138	150	**288**	**4,390**
FS57	9/10/2025	0.5	<0.0250	<0.0500	<20.0	288	300	288	**588**	**4,390**
FS58	9/10/2025	0.5	<0.0250	<0.0500	<20.0	252	232	252	**484**	**4,510**
FS59	9/10/2025	0.5	<0.0250	<0.0500	<20.0	259	256	259	**515**	**3,130**
FS60	9/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	592
FS61	9/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**4,190**
FS62	9/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,180**
FS63	9/11/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**4,320**
FS64	9/12/2025	1	<0.0250	<0.0500	<20.0	257	130	257	**387**	**762**
FS65	9/12/2025	1	<0.0250	<0.0500	<20.0	233	117	233	**350**	**805**
FS66	9/9/2025	1	<0.0250	<0.0500	<20.0	46.9	<50.0	46.9	<50.0	**1,020**
FS67	9/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,700**

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

Red *text represents samples that exceed expected Closure Criteria*

"<": Laboratory Analytical result is less than reporting limit

Concentrations in ***bold*** *exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.*

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
Shinnery Oak SWD 1
San Mateo Stebbins Water Management, LLC
Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Sidewall Soil Samples										
SW01	9/12/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	74.4
SW02	9/12/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**6,320**
SW03	9/12/2025	0-1	<0.0250	<0.0500	<20.0	81.9	<50.0	81.9	81.9	**4,350**
SW04	9/12/2025	0.5-1	<0.0250	<0.0500	<20.0	28.5	<50.0	28.5	<50.0	**1,490**
SW05	9/12/2025	0-0.5	<0.0250	<0.0500	<20.0	146	110	146	**256**	**2,050**
SW06	9/12/2025	0.5-1	<0.0250	<0.0500	<20.0	162	132	162	**294**	**3,440**
SW07	9/12/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,320**
SW08	9/12/2025	0-0.5	<0.0250	<0.0500	<20.0	169	120.0	169	**289**	**5,000**
SW09	9/12/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,650**
SW10	9/12/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**4,130**
SW11	9/12/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,480**
SW12	9/12/2025	0-3	<0.0250	<0.0500	<20.0	564	<50.0	564	**564**	**4,500**
SW13	9/12/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	149
SW14	9/12/2025	0-1	<0.0250	<0.0500	<20.0	65.4	<50.0	65.4	65.4	**4,150**
SW15	9/12/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	148
SW16	9/12/2025	0-1	<0.0250	<0.0500	<20.0	206	122	206	**328**	**5,220**
SW17	9/12/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	153
SW18	9/12/2025	0-1	<0.0250	<0.0500	<20.0	228	134	228	**362**	**12,900**
SW19	9/12/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	268
SW20	9/12/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,940**
SW21	9/12/2025	0.5-1	<0.0250	<0.0500	<20.0	147	<50.0	147	**147**	**2,020**

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

Red *text represents samples that exceed expected Closure Criteria*

"<": Laboratory Analytical result is less than reporting limit

Concentrations in ***bold*** *exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.*

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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APPENDIX A

Well Record & Log

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
Pod 1		CP-02090

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Matador Production Company	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
5400 Lyndon B Johnson FWY Suite 1500	Dallas	TX	75240

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	29	35.78	N
	LONGITUDE	104	1	59.71	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Section 12 Township 21s Range 28e

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1862	James Hawley	H&R Enterprises, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
10-14-25	10-14-25	105'	105'	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	105'	6"	No casing left in hole				

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0'	1'	1'	Caliche	Y ✓N	
1'	20'	19'	Sand	Y ✓N	
20'	105'	85'	Sandy Brown Clay	Y ✓N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☑ OTHER – SPECIFY: dry hole

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Depth to groundwater bore was gauged for water on 10-17-25 at the Matador Shinery Oak SWD Remediation site. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cuttings to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Nathan Smelcer

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

JAMES HAWKEY — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

10/17/25 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

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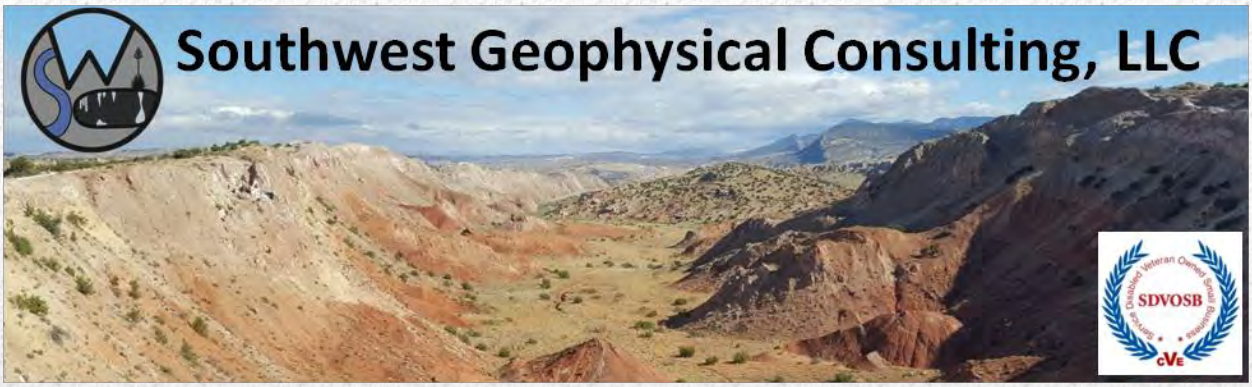
APPENDIX B

Karst Survey



Environmental Karst Study Report
Shinnery Oak SWD 1 Release
Eddy County, New Mexico

Prepared For:

Ensolum, LLC

3122 National Parks Highway

Carlsbad, NM 88220

☐ **Positive within 200 feet of spill delineation boundary**

☑ **Negative within 200 feet of spill delineation boundary**

☑ **Stable** ☐ **Unstable Ground**

☐ **Karst Monitor Recommended**

April 28, 2025

ENS-007-20250303

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Published by:
Southwest Geophysical Consulting, LLC
5117 Fairfax Dr. NW
Albuquerque, NM 87114
(505) 585-2550
www.swgeophys.com

Prepared by:
Britt Bommer
Field Geologist
britt@swgeophys.com

Reviewed by:
David Decker, PhD, PG, CPG
CEO, Principal Geologist
dave@swgeophys.com

Prepared for:
Ensolum, LLC
3122 National Parks Highway
Carlsbad, NM 88220

Tracy Hillard
(575) 937-3906
thillard@ensolum.com

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1.0 INTRODUCTION

This report was commissioned by Ensolum, LLC (hereinafter referred to as "the client"), on March 3, 2025, for the purpose of conducting an environmental karst study within an area encompassing the Shinnery Oak SWD 1 Release site (hereinafter termed “SOS1”) centered at N 32.492784° W 104.034022°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 200 feet (61 meters) of the spill delineation boundary (as defined by 19.15.29.12 NMAC[1]) and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions[2]) within the spill boundary of the Shinnery Oak SWD 1 Release using electrical resistivity imaging[3].

1.2 Summary of Findings

- **No surface karst features exist within the 200-foot (61-meter) zone surrounding the spill delineation boundary.**
- **No anomalies consistent with air-filled voids are located within the SOS1 resistivity survey area, indicating the zone beneath the geophysical survey is not subject to collapse.**
- **Well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground.**

1.3 Affected Environment

The SOS1 project site is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Additionally, karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The four primary concerns in these types of terrain are environmental issues, worker safety, equipment damage, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, high, or critical cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers[4]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within a **MEDIUM** karst occurrence zone (MKOZ)[5] (**Figure 1**).

A medium karst occurrence zone is defined as an area in known soluble rock types that may have a shallow insoluble overburden. These areas may contain isolated karst features such as caves and sinkholes. Groundwater recharge may not be wholly dependent on karst features, but the karst features still provide the most rapid aquifer recharge in response to surface runoff [4].

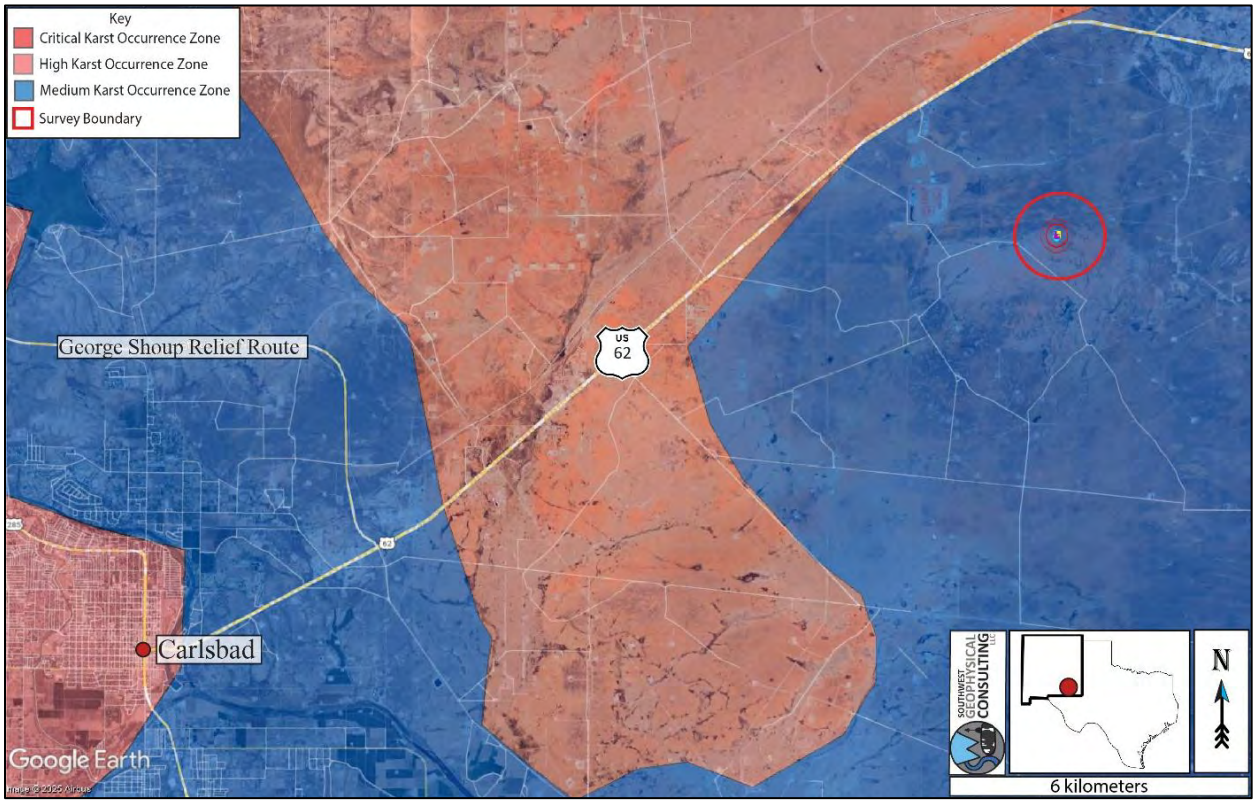

Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: August 13, 2024. Image datum: WGS-84.

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for the use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of Ensolum, LLC, in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective consulting advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information. Physical verification of aerial imagery analysis results should be conducted in the field prior to using this information for remediation planning. Physical verification of geophysical results using geotechnical methods should be conducted.

To the best of our knowledge, the information contained in this report is accurate at the date of issue. Due to the nature of karst terrain, the information in this report shall not be used beyond two years past the dates of the field work provided in section ***2.3 Description of Survey***. Large weather events can shorten this time period as areas subject to karst development can rapidly form new features subsequent to these events.

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located 20.1 kilometers (12.5 miles) northeast of Carlsbad, New Mexico, south of Highway 62 and along Landfill Road. The release area is located within section 12 of NM T21S R28E[6] (**Figure 1** and **Figure 2**). The region has rolling terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock[7] (see section ***2.2 Local Geology Summary*** for further information). The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January[8]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map[9] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The spill delineation boundary is located within an MKOZ[5] (**Figure 1**) and BLM-CFO managed land[10] (**Figure 2**).

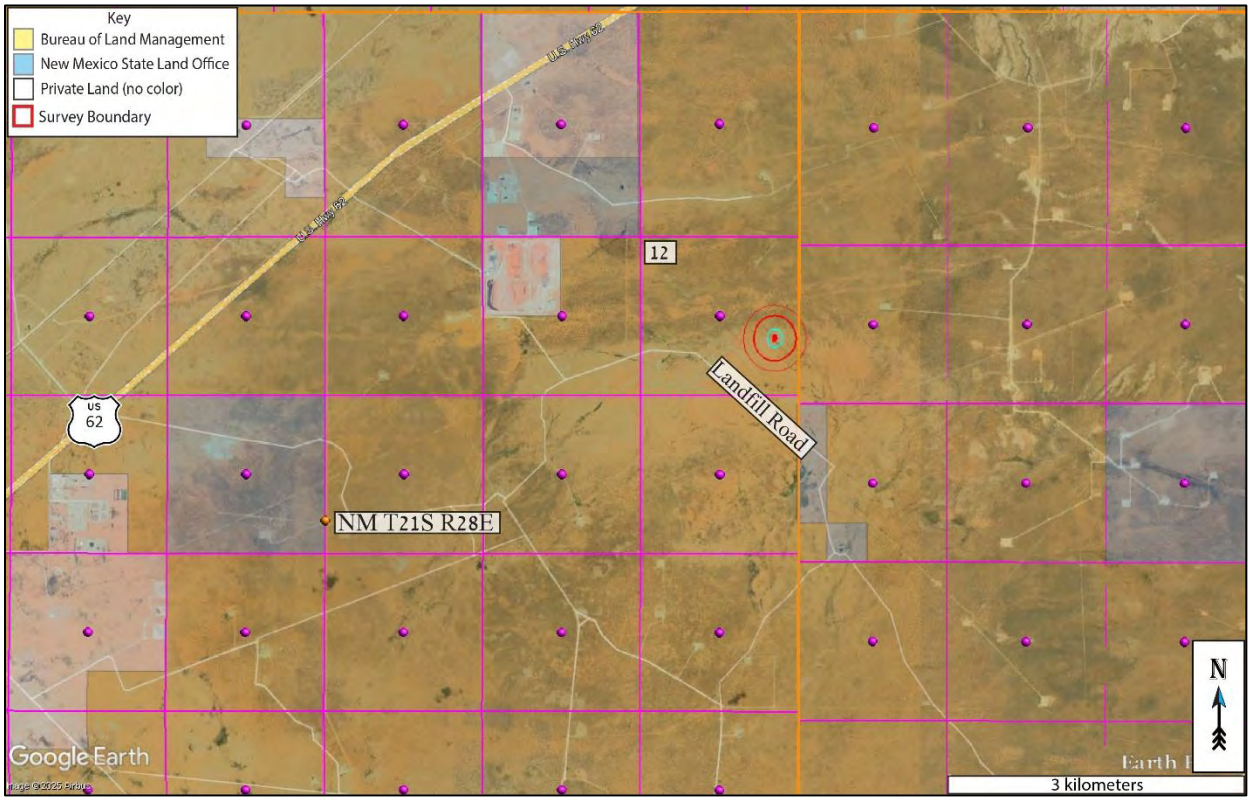

Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: August 13, 2024. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the SOS1 survey is located west of Nash Draw at an elevation of 1,024 meters (3,360 feet), ± 4 meters (13 feet). This region is entirely underlain by the Permian Rustler Formation (Pru – not shown as it does not outcrop at the surface in this area). The area is mantled by thin gypsiferous soils (gypsite), and Quaternary eolian (Qe) and alluvial deposits (Qal)[11] up to 5 meters in depth (**Figure 3**).

The Rustler Formation is an evaporite facies composed mainly of thin siltstones and sandstones interbedded with claystones, dolomite, and gypsum, and contains both karst-forming strata (the Forty-niner and Tamarisk members) and two shallow aquifers (the Magenta and Culebra Dolomite members)[12].

The Dewey Lake Formation overlies the Rustler Formation and is composed of calcite-cemented, hematite-stained quartz sand grains and occasional gypsum lenses and can, in favorable conditions, form cavernous porosity within 30 meters of the top of the Rustler[12].

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale[13] and the Digital Geologic Map of New Mexico in ARC/INFO Format[11].

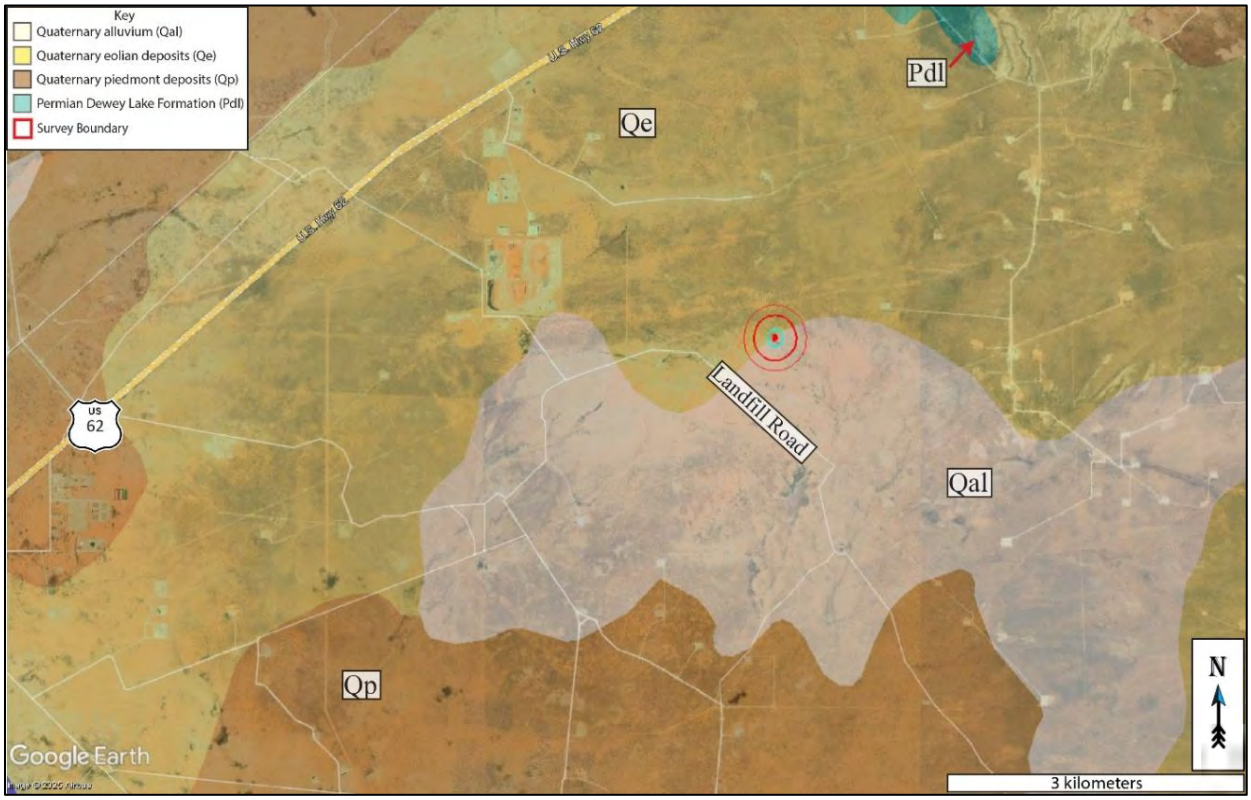

Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: August 13, 2024. Image datum: WGS-84.

2.3 Description of Survey

2.3.1 Surface Karst Inventory

Southwest Geophysical Consulting, in partnership with SWCA Environmental Consultants, provides aerial karst surveys using small, uncrewed aerial systems (sUAS) that are flown by qualified, FAA licensed drone pilots and that meet the stringent Bureau of Land Management – Carlsbad Field Office requirements for both pedestrian and aerial karst surveys.

The aerial karst survey includes a surface karst desk study prior to the flight which allows us to provide client feedback in the event of any previously known karst features in the area. The desk study is performed out to 305 meters (1,000 feet) from the spill delineation boundary per New Mexico Oil Conservation Division guidance[1] (**Figure 4**). The study was performed using satellite and aerial imagery from Google Earth Pro dated August 13, 2024 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated March 20, 2025[14]; the Tower Hill South, NM, 1:24,000 quad, 1985, USGS topographic map; and the latest lidar imagery from CalTopo.com. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no previously recorded karst features within the 305-meter survey boundary.

Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: August 13, 2024. Datum: WGS-84.

Aerial karst surveys are conducted at low elevation within 200 meters of the spill delineation boundary[4] (**Figure 4**) following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 6**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by an experienced karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report[15].

The resolution of the orthoimagery is clear enough that features as small as 10 centimeters can be positively identified in most circumstances. Occasionally there are ambiguous features identified during an aerial survey that will need to be checked in the field if they are impacted by the proposed remediation efforts. Specifically, it is difficult to tell the difference between solution tubes, abandoned uncased well bores, and some burrows in drone imagery. If an ambiguous feature is located during imagery analysis, it is marked with a yellow dot in **Figure 6**. If a feature of any likelihood is subsequently verified in the field prior to publication of the report, the dot will be changed to a red triangle if confirmed as a karst feature or deleted if not.

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on March 10, 2025. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Brit Bommer of Southwest Geophysical Consulting on April 4, 2025.

2.3.2 Geophysical Survey

For this survey, an Advanced Geosciences Inc. (AGI) SuperSting™ Wifi R8 with a multi-electrode switchbox, a 28-electrode array with 40-centimeter-long electrodes, and a tablet controller were used to image the subsurface. This survey consisted of two resistivity lines in a dipole-dipole strong-gradient configuration; line one is laid out south to north while line two is laid out west to east. Both lines consisted of 28 electrodes at 5-meter spacing, resulting in 135-meter-long arrays (**Figure 5**, **Table 1**). A preconfigured command file was used to run the data collection (DDSG28). This electrode configuration provided a depth of investigation of 27 meters (89 feet) and a resolution of 2.5 to 3.0 meters (8.2 to 9.8 feet) within the first 5 to 8 meters (16 to 26 feet) from the surface. A Leica GS18 GPS was used to record electrode locations and elevations.

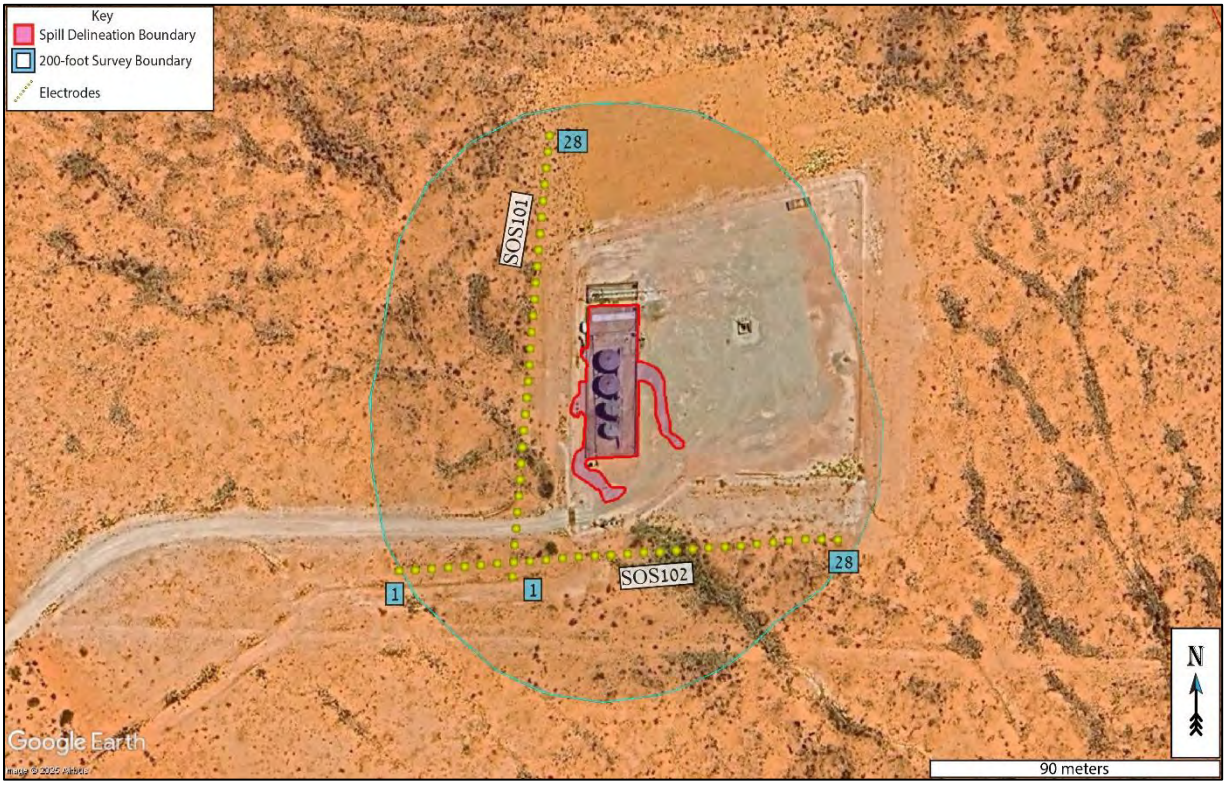

Figure 5: Geophysical survey overview. Two survey lines were conducted with 28 electrodes at 5-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: August 13, 2024. Image datum: WGS-84.

Table 1 provides basic line data. Detailed information including electrode number, location in latitude/longitude (decimal degree format), and elevation in meters can be found in the accompanying data files.

Table 1: Survey Line Data Table. The .kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying files SOS1 _ERI_Points.xlsx and ENS-007-20250303_SOS1_Data_Files.kmz.

File Name:	Completed By:	Date:
SOS101.kmz	Garrett Jorgensen Olague – Senior Field Geologist Britt Bommer – Field Geologist Michael Jones – Field Geologist	4/8/2025
SOS102.kmz		

EarthImager™ 2D software was used to download and process the data and to provide the model used to make our interpretations. The design of the survey and the orientation of each of the lines provides the information necessary to make the determination of "stable" or "unstable" ground at this site.

A typical starting model was used for the data processing due to the two-layer model of the geology in the area; specifically, generally high-resistivity gypsum and dolomite at the surface and low-resistivity saturated gypsum and dolomite bedrock at depth. The starting model used was "average apparent resistivity" and a default inversion setting of "surface," with a minimum apparent resistivity set to 0.1 Ohm-meters (Ohm-m or Ω-m) and a max apparent resistivity set to 100,000 Ω-m (**Table 2**).

Table 2: Software Information and Settings

Software Name:	EarthImager™ 2D
Version:	2.4.4.649
Starting Model:	Average Apparent Resistivity
Default Inversion Settings:	Surface
Changes to Default Inversion Settings:	Max Apparent Resistivity = 100 kΩ-m Min Apparent Resistivity = 0.1 Ω-m

Note: Raw data files (.stg files for EarthImager™ 2D) and processed data (.trn files, terrain files for surface correction in EarthImager™ 2D and .out files, the processed .stg files) are available upon request.

All field work, including setup, stow, and travel, was completed by Garrett Jorgensen Olague, Britt Bommer, and Michael Jones on April 8, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and aerial surface karst survey showed no surface karst features within the 200-foot (61-meter)[1] or 200-meter survey area surrounding the spill delineation boundary (**Figure 6**).

No springs exist within the 305-meter survey boundary (**Figure 6**).

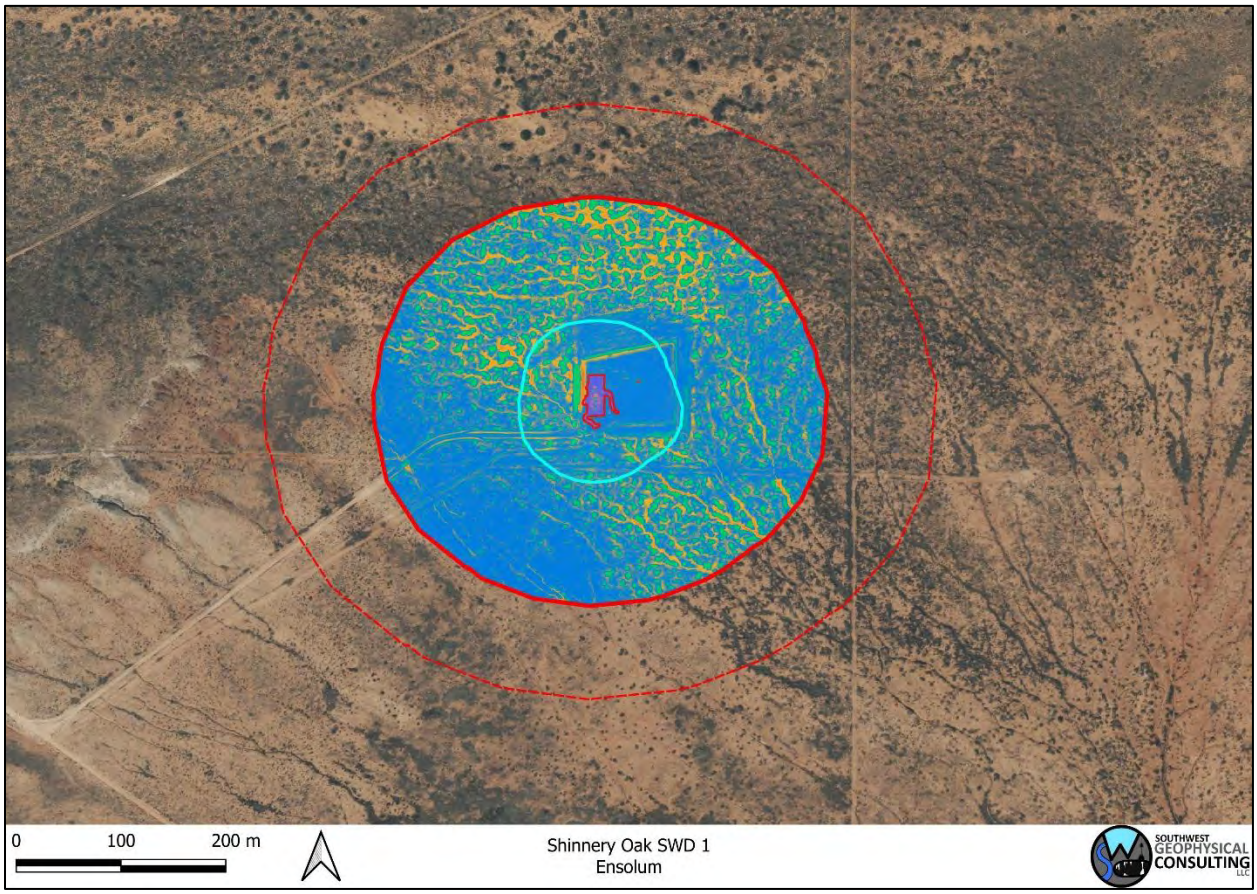

Figure 6: Aerial surface karst survey results. Background image credit: Google Earth. Image date: August 13, 2024. Image datum: WGS-84.

3.2 Geophysical Survey

Electrical resistivity tomography forms images of the subsurface by causing a current to flow through the rock and soil and then measuring the resistance of these materials as the current flows through them. This measurement is taken many times and the resulting data, once processed, is used to produce a model of the subsurface (**Figure 7**). This model is produced using "non-unique" solutions, which means that there are many models and interpretations which will satisfy the data. Using experience and knowledge of the local geology, a high-confidence model can be established and used to develop an accurate understanding of what lies below the surface. This survey was conducted with the express purpose of locating subsurface voids and does not purport to find paleokarst (old, non-active karst features that have been filled in with sand and sediment) or nascent karst features below the resolution limit of the survey.

The results of this study indicate a well-layered geologic system with resistivities between 5 and 481 Ohm-m (**Figure 7**). Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

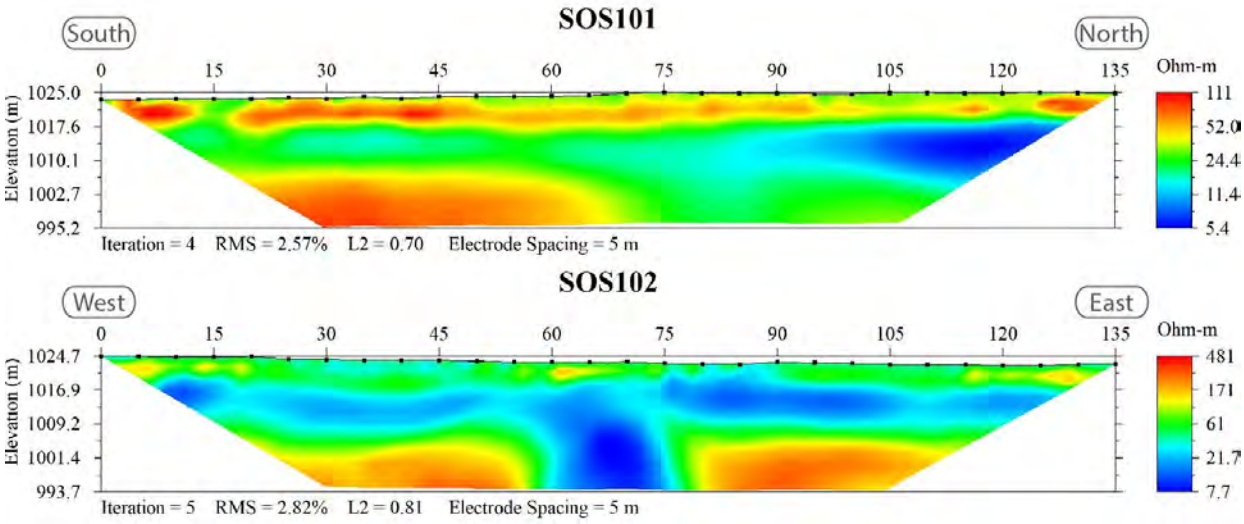

Figure 7: 2D inverted resistivity sections. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Please note that the color scale is relative.

4.0 DISCUSSION

No surface karst features are known to exist within one kilometer of the project site, and none were located during this survey. No anomalies consistent with air-filled subsurface voids are found within the SOS1 survey area. However, small solutionally enlarged voids or fractures at or near the resolution limit of the survey (2.5 – 3.0 meters) may be present. Slightly higher-than-average resistivity areas less than 10 meters beneath the surface are interpreted as dry caliche or gypsite soils. Due to their low resistivity values when compared with significant subsurface voids, these features should not be a concern during remediation efforts. Areas of moderate resistivity (yellows, and greens) near the surface are interpreted as dry gypsite soils and gypsum bedrock of the Rustler Formation[16] (**Figure 7** and **Figure 8**).

The low-resistivity areas between 5.4 and 22 Ohm-m are interpreted as a layer of either clays and halite lenses or moist or saturated layers within the Rustler Formation. (**Figure 7**). The low-resistivity vertical area in the middle of line SOS102 is interpreted as a surface-to-subsurface hydrologic pathway from the arroyo emanating from the south side of the pad (**Figure 7**).

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. **They remain interpretations until verified by geotechnical methods.** Employing a BLM-CFO approved karst monitor on site during any drilling and/or remediation activities should be considered.

Fracture sets within the subsurface can act as hydrologic pathways to the water table. Rapid dissolution of gypsum can occur along these pathways creating solution-enlarged fractures, and in some cases, voids within months to years. For this reason, this survey is valid only for this remediation event.

Within karst terrains like the project site, small air- or sediment-filled voids and/or brecciated zones and solutionally enlarged fractures that are below the resolution limit of the survey (2.5– 3.0 meters) may exist; these may be encountered during excavation, and if so, should be evaluated by a karst specialist prior to continued work.

Figure 8: Data overlay. Colored trapezoids are the 2D inverted resistivity line. Background image credit: Google Earth. Image date: August 13, 2024.

5.0 SUMMARY

- **The SOS1 survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary (or within the 305-meter survey boundary).**
- **No shallow anomalies interpreted as large voids or related karst features that would present a danger to equipment operators are located within the survey area.**
- Intercepting a void during remediation is unlikely, but still possible. Small voids or solutionally enlarged fractures below the resolution limit of the survey may be encountered.
- **Well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground.**
- When conducting any remediation activities in this area, employing a BLM-CFO approved karst monitor on site should be considered.

6.0 DISCLOSURE STATEMENT

Karst occurrence zones are prone to rapid karst formation and warrant careful planning and engineering to mitigate karst-forming processes that could be accelerated by removal of surface cover or the vibrations associated with heavy equipment used in the remediation process.

Mitigation measures for any karst features revealed during excavation shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Vigilance during remediation activities is paramount. If voids are encountered during excavation, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO approved karst contractor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed. Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports, karst feature investigations, and geophysical reports commissioned at the request of the land manager should be submitted to:

BLM-CFO: blm_nm_karst@blm.gov

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

7.0 REFERENCES

1 Division, O. C. *Title 19, Chapter 15, Part 29* (Oil Conservation Division, 2018).

2 NMSLO. (ed Oil Conservation Division) (New Mexico State Land Office, Santa Fe, NM, 2018).

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10 NMSLO. Digital overlay (KML) of the surface land ownership in New Mexico (New Mexico State Land Office, Santa Fe, NM, 2024).

11 Green, G. N. & Jones, G. E. *The Digital Geologic Map of New Mexico in ARC/INFO Format*, <https://mrdata.usgs.gov/geology/state/state.php?state=NM> (1997).

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8.0 GLOSSARY OF TERMS

AGI	Advanced Geosciences Inc.
BLM-CFO	Bureau of Land Management - Carlsbad Field Office
brecciated	Fractured rock caused by faulting or collapse.
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Collapse of roof-spanning soil or clay ground cover into a subsurface void.
ERI	Electrical Resistivity Imaging
GPS	Global Positioning System
grike	A solutionally enlarged, vertical, or sub-vertical joint or fracture.
(H)	High confidence modifier for a PKF. This is typically reserved for a feature that is definitely karst but has not been confirmed in the field.
HKOZ	High Karst Occurrence Zone
karst	A landscape containing solutional features such as caves, sinkholes, swallets, and springs.
(L)	Low confidence modifier for a PKF. This is typically a feature that cannot be ruled out as karst but is most likely NOT karst related. This modifier may also be used for pseudokarst features.
(M)	Medium confidence modifier for PKF. This is an ambiguous feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).
MKOZ	Medium Karst Occurrence Zone
NCRC	National Cave Rescue Commission
NKF	Non-karst feature. Used for features originally identified as PKF that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.
NMSLO	New Mexico State Land Office
Ohm-m	Ohm-meter, a unit of measurement for resistivity. Sometimes abbreviated Ω-m.
paleokarst	Previously formed karst features that have been filled in by erosion and/or deposition of minerals.
Pat	Permian Artesia Group
Pc	Permian Capitan Formation
Pcs	Permian Castile Formation

Pdl	Permian Dewey Lake Formation
PKF	Possible karst feature. This term is reserved for features identified in satellite or aerial imagery that have NOT been visited in the field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.
PLSS	Public Land Survey System
Pqg	Permian Queen/Greyburg Formation
Pru	Permian Rustler Formation
pseudokarst	Karst-like features (sinkholes, conduits, voids etc.) that are not formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.
Psl	Permian Salado Formation
Psr	Permian Seven Rivers Formation
Pt	Permian Tansill Formation
Py	Permian Yates Formation
Qal	Quaternary alluvium
Qe	Quaternary eolian deposits
Qp	Quaternary piedmont deposits
Qpl	Quaternary playa lake deposits
RKF	Recognized karst feature. This term is reserved for karst features that have been physically verified in the field.
SPAR	Small Party Assisted Rescue
sUAS	Small, uncrewed aerial system
suffosion sinkhole	Raveling of soil into a pre-existing void or fracture.
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed, "meaning they are full of sediment.
SWG	Southwest Geophysical Consulting, LLC
UTM	Universal Transverse Mercator (projected coordinates)
(V)	Field verified modifier for a RKF. This indicates that the feature has been visited by a qualified karst professional in the field and fully identified
WGS	World Geodetic System (geographic coordinates)

9.0 ATTESTATION

David D. Decker, PhD, PG, CPG
Chief Executive Officer, Principal Geologist
Southwest Geophysical Consulting, LLC
5117 Fairfax Dr. NW
Albuquerque, NM 87114
dave@swgeophys.com
(505) 585-2550

CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of “qualified professional” for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number ENS-007-20250303 entitled, “Environmental Karst Study Report, Shinnery Oak SWD 1 Release, Eddy County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section ***2.3 Description of Survey***.

- I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, April 28, 2025.

David D. Decker
PhD, CPG-12123

ENSOLUM

APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: BH01	Date: 1/13/25 - 4/17/25
	Site Name: Shinnery Oak SWD 001	
	Incident Number: nAPP2500345021	
	Job Number: 03A2270065	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Oluwale Aderinto	Method: Tracked Auger
Coordinates: 32.492811, -104.033859	Hole Diameter: 6"	Total Depth: 35'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	2,970		Y	BH01	0	0		
D	1,590		N		1	1	CCHE	Pad Caliche
D	1,266		N	BH01	2	2	SP-SM	Silty Sand - Medium brown to red, Coarse to fine with trace small gravel, Dry, non-plastic, Noncohesive, Non-uniform, Abrupt
D			N	BH01	3	3		
D	1,697		N	BH01	4	4		
D			N		5	5		
D	1,574		N	BH01	6	6		
D			N		7	7	CCHE	Caliche - White to red, Mostly Coarse to fine sand with some small to large cobbles, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform, Abrupt
D	902		N		8	8		
D	1,260		N		9	9		
D	498		N		10	10		
D	750		N		11	11		
D			N		12	12		

ENSOLUM

Sample Name: BH01	Date: 1/13/25 - 4/17/25	
Site Name: Shinnery Oak SWD 001		
Incident Number: nAPP2500345021		
Job Number: 03A2270065		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Oluwale Aderinto	Method: Tracked auger
Coordinates: 32.492811, -104.033859	Hole Diameter: 6"	Total Depth: 35'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N		12	12	CCHE	Caliche - White to red, Mostly Coarse to fine sand with some small to large cobbles, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform, Abrupt
D	750		N		13	13	CH	Red Clay with grey nodules - Dense, Fine to very fine, Dry, High-Plasticity, Cohesive, Massive, Non-Uniform
D			N	BH01	14	14		
D	1,103		N	BH01	16	16		
D	1,192		N	BH01	18	18		
D	851		N	BH01	20	20		
D	571		N	BH01	25	25		
D	515		N	BH01	30	30		
N	313		N	BH01	35	35		

Total Depth @ 35 feet bgs.

ENSOLUM

Sample Name: BH02	Date: 1/13/25 - 4/17/2025	
Site Name: Shinnery Oak SWD 001		
Incident Number: nAPP2500345021		
Job Number: 03A2270065		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Oluwale Aderinto	Method: Tracked auger
Coordinates: 32.492689, -104.033826	Hole Diameter: 6"	Total Depth: 15'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	>3,590		Y	BH02	0	0	CCHE	Pad Caliche
D	890		N			1		
D	515		N	BH02	2	2	SP-SM	Silty Sand - Medium brown to red, Coarse to fine with trace small gravel, Dry, non-plastic, Noncohesive, Non-uniform, Abrupt
D	1,170		N	BH02	3	3	CCHE	Caliche - White to red, Mostly Coarse to fine sand with some small to large cobbles, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform, Abrupt
D	235		N			4		
D	1,192		N	BH02	5	5		
D	1,607		N			6		
D	705		N	BH02	7	7		
D	515	100	N			8		
D	1,103		N	BH02	9	9	CH	Red Clay with grey nodules - Dense, Fine to very fine, Dry, High-Plasticity, Cohesive, Massive, Non-Uniform
D	571		N	BH02	11	11		
D	515		N	BH02	13	13		
D	358		N	BH02	15	15		

ENSOLUM

	Sample Name: BH03	Date: 1/17/2025
	Site Name: Shinnery Oak SWD 1	
	Incident Number: nAPP2500345021	
	Job Number: 03A2270065	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Oluwale Aderinto	Method: Hand Auger
Coordinates: 32.492613, -104.033990	Hole Diameter: 3"	Total Depth: 1.5'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	2,469		Y	BH03	0	0	CCHE	Pad Caliche
	>3,589		N	BH03	1	1		
			N	BH03	1.5		SP-SM	Silty Sand - Medium brown to red, Coarse to fine with trace small gravel, Dry, non-plastic, Noncohesive, Non-uniform, Abrupt

Total Depth @ 1.5 feet bgs.

ENSOLUM

	Sample Name: BH04	Date: 1/17/25 - 4/17/25
	Site Name: Shinnery Oak SWD 1	
	Incident Number: nAPP2500345021	
	Job Number: 03A2270065	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Tracked Auger
Coordinates: 32.492616, -104.033964	Hole Diameter: 6"	Total Depth: 14'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	>3,589		Y	BH04	0	0	CCHE	Pad Caliche
D	>3,589		N	BH04	1	1	SP-SM	Silty Sand - Medium brown to red, Coarse to fine with trace small gravel, Dry, non-plastic, Noncohesive, Non-uniform, Abrupt
D	1,170		N		2	2		
D	1,428		N	BH04	3	3	CCHE	Caliche - White to red, Mostly Coarse to fine sand with some small to large cobbles, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform, Abrupt
D	996		N		4	4		
D	1,080		N	BH04	5	5		
D	442		N	BH04	6	6		
						7		
D	1,103		N	BH04	8	8		
						9	CH	Red Clay with grey nodules - Dense, Fine to very fine, Dry, High-Plasticity, Cohesive, Massive, Non-Uniform
D	1,103		N	BH04	10	10		
D	1,607		N	BH04	12	12		
D	358	54	N	BH04	14	14		

ENSOLUM

	Sample Name: BH05	Date: 1/17/2025
	Site Name: Shinnery Oak SWD 1	
	Incident Number: nAPP2500345021	
	Job Number: 03A2270065	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Hand Auger
Coordinates: 32.492646, -104.033928	Hole Diameter: 3"	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	918		Y	BH05	0	0	CCHE	Pad Caliche
D	1,842		N	BH05	1	1		

Total Depth @ 1-foot bgs.

ENSOLUM

	Sample Name: BH06	Date: 1/17/25 - 1/24/25
	Site Name: Shinnery Oak SWD 001	
	Incident Number: nAPP2500345021	
	Job Number: 03A2270065	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Oluwale Aderinto	Method: Hand auger
Coordinates: 32.492803, -104.033924	Hole Diameter: 3"	Total Depth: 7'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	>3,589		Y	BH06	0	0	CCHE	Pad Caliche
D	2,133		N		1	1		
D	515		N	BH06	2	2	SP-SM	Silty Sand - Medium brown to red, Coarse to fine with trace small gravel, Dry, non-plastic, Noncohesive, Non-uniform, Abrupt
D	515	17	N		3	3		
D				BH06	4	4	CCHE	Caliche - White to red, Mostly Coarse to fine sand with some small to large cobbles, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform, Abrupt
						5		
D	750			BH06	6	6		
D	442			BH06	7	7		

Total Depth @ 7 feet bgs.

ENSOLUM

Sample Name: BH07	Date: 1/17/25 - 4/17/25	
Site Name: Shinnery Oak SWD 1		
Incident Number: nAPP2500345021		
Job Number: 03A2270065		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Tracked Auger
Coordinates: 32.492852, -104.033916	Hole Diameter: 6"	Total Depth: 15'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH07	0	0	CCHE	Pad Caliche
						1		
D			N	BH07	2	2	SP-SM	Silty Sand - Medium brown to red, Coarse to fine with trace small gravel, Dry, non-plastic, Noncohesive, Non-uniform, Abrupt
						3		
D			N	BH07	4	4		
						5	CCHE	Caliche - White to red, Mostly Coarse to fine sand with some small to large cobbles, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform, Abrupt
D	1,159		N	BH07	6	6		
D	750		N	BH07	7	7		
D	559		N	BH07	8	8		
D	1,982		N	BH07	9	9		
D	1,590		N	BH07	11	11	CH	Red Clay with grey nodules - Dense, Fine to very fine, Dry, High-Plasticity, Cohesive, Massive, Non-Uniform
D	319	107	N	BH07	13	13		
D	ND	50	N	BH07	15	15		

ENSOLUM

Sample Name: BH08	Date: 1/17/2025	
Site Name: Shinnery Oak SWD 1		
Incident Number: nAPP2500345021		
Job Number: 03A2270065		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Hand Auger
Coordinates: 32.492908, -104.033916	Hole Diameter: 3"	Total Depth: 3'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	918		Y	BH08	0	0	CCHE	Pad Caliche
D	1,265		N	BH08	1	1	SP-SM	Silty Sand - Medium brown to red, Coarse to fine with trace small gravel, Dry, non-plastic, Noncohesive, Non-uniform, Abrupt
						2		
D	1,265		N	BH08	3	3		

Total Depth @ 3 feet bgs.

ENSOLUM

	Sample Name: BH09	Date: 1/21/25
	Site Name: Shinnery Oak SWD 001	
	Incident Number: nAPP2500345021	
	Job Number: 03A2270065	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Oluwale Aderinto	Method: Hand auger
Coordinates: 32.492250, -104.034007	Hole Diameter: 3"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH09	0	0	CCHE	Pad Caliche
M	ND	2	N	BH09	1	1	SP-SM	Silty Sand - Medium brown to red, Coarse to fine with trace small gravel, Dry, non-plastic, Noncohesive, Non-uniform, Abrupt
M	ND		N		2	2		

Total Depth @ 2 feet bgs.

ENSOLUM

Sample Name: BH10	Date: 1/21/25 - 4/17/25	
Site Name: Shinnery Oak SWD 001		
Incident Number: nAPP2500345021		
Job Number: 03A2270065		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Oluwale Aderinto	Method: Hand auger
Coordinates: 32.492739, -104.034122	Hole Diameter: 3"	Total Depth: 3'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH10	0	0		
M	ND	290	N		1	1	SP-SM	Silty Sand - Medium brown to red, Coarse to fine with trace small gravel, Dry, non-plastic, Noncohesive, Non-uniform, Abrupt
M	ND	39	N	BH10	2	2		
M	ND	18	N	BH10	3	3		

Total Depth @ 3 feet bgs.

ENSOLUM

	Sample Name: BH11	Date: 01/21/25 - 10/14/25
	Site Name: Shinnery Oak SWD 001	
	Incident Number: nAPP2500345021	
	Job Number: 03A2270065	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Higinio Gonzalez	Method: Tracked auger
Coordinates: 32.49310, -104.03396	Hole Diameter: 6"	Total Depth: 59'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH11	0	0	CCHE	Caliche with gravel pad material.
M	840		Y			1	SM	Sandy clay, red with spots of light gray clay, small black stained rocks, chemical odor.
M	1,266		Y	BH11	2	2		
M	1,193		Y	BH11	3	3		
D			N			4	CCHE	Caliche - White to red, Mostly Coarse to fine sand with some small to large cobbles, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform, Abrupt
D			N	BH11	5	5		
D			N			6		
D			N	BH11	7	7		
D			N			8		
D	1,697		N	BH11	9	9	CH	Red Clay with grey nodules - Dense, Fine to very fine, Dry, High-Plasticity, Cohesive, Massive, Non-Uniform
D			N			10		
D			N	BH11	11	11		
D	263		N	BH11	12	12		

ENSOLUM

	Sample Name: BH11	Date: 01/21/2025
	Site Name: Shinnery Oak SWD 001	
	Incident Number: nAPP2500345021	
	Job Number: 03A2270065	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Higinio Gonzalez	Method: Tracked auger
Coordinates: 32.49310, -104.03396	Hole Diameter: 6"	Total Depth: 59'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH11	12	12		
D			N	BH11	13	13		
D	2,469		N	BH11	15	15		
D	2,296		N			17		
D	2,654		N	BH11	20	20		
D	2,296		N	BH11	25	25		
D	2,296		N	BH11	30	30	CH	Red Clay with grey nodules - Dense, Fine to very fine, Dry, High-Plasticity, Cohesive, Massive, Non-Uniform
D	1,478		N	BH11	35	35		
D	1,714		N	BH11	40	40		
D	1,266		N	BH11	47.5	47.5		
D	840		N	BH11	57.5	57.5		
D	230		N	BH11	58	58		
D	196		N	BH11	59	59		

ENSOLUM

Sample Name: BH12	Date: 01/21/25 - 10/14/25	
Site Name: Shinnery Oak SWD 001		
Incident Number: nAPP2500345021		
Job Number: 03A2270065		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Oluwale Aderinto	Method: Tracked Auger
Coordinates: 32.49308, -104.03384	Hole Diameter: 6"	Total Depth: 60'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH12	0	0	CCHE	Caliche with gravel pad material
M	>3,427		Y			1	SM	Clayey sand with gravel, red, chemical odor.
M	>3,427		Y	BH12	2	2		
D			N			3		
D	>3,377		N	BH12	4	4		
D	>3,377		N			5	CCHE	Caliche - White to red, Mostly Coarse to fine sand with some small to large cobbles, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform, Abrupt
D			N	BH12	6	6		
D			N			7		
D	2,570		N	BH12	8	8		
D			N			9		
D			N	BH12	10	10	CH	Red Clay with grey nodules - Dense, Fine to very fine, Dry, High-Plasticity, Cohesive, Massive, Non-Uniform
D			N		11	11		
D			N	BH12	12	12		

ENSOLUM

	Sample Name: BH12	Date: 01/21/25 - 10/14/25
	Site Name: Shinnery Oak SWD 001	
	Incident Number: nAPP2500345021	
	Job Number: 03A2270065	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Oluwale Aderinto	Method: Tracked Auger
Coordinates: 32.49308, -104.03384	Hole Diameter: 6"	Total Depth: 60'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water, 40% correction factor apllied.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH12	12	12		
D			N	BH12	13	13		
D	2,654		N	BH12	15	15		
D	2,862		N	BH12	20	20		
D	2,862		N	BH12	25	25		
D	2,296		N	BH12	30	30		
D	2,133		N	BH12	35	35	CH	Red Clay with grey nodules - Dense, Fine to very fine, Dry, High-Plasticity, Cohesive, Massive, Non-Uniform
D	2,861		N	BH12	40	40		
						45		
D	1,366		N	BH12	50	50		
D	1,170		N	BH12	57.5	57.5		
D	655		N	BH12	58	58		
D	364		N	BH12	59	59		
D	314		N	BH12	60	60		

ENSOLUM

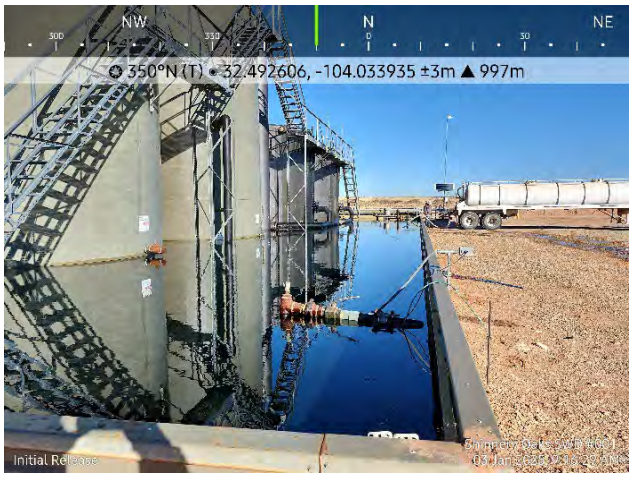
APPENDIX D

Photographic Log

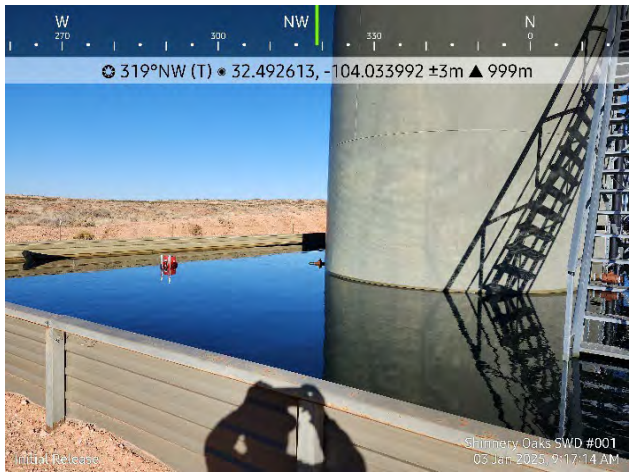
ENSOLUM

Photographic Log
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
nAPP2500345021

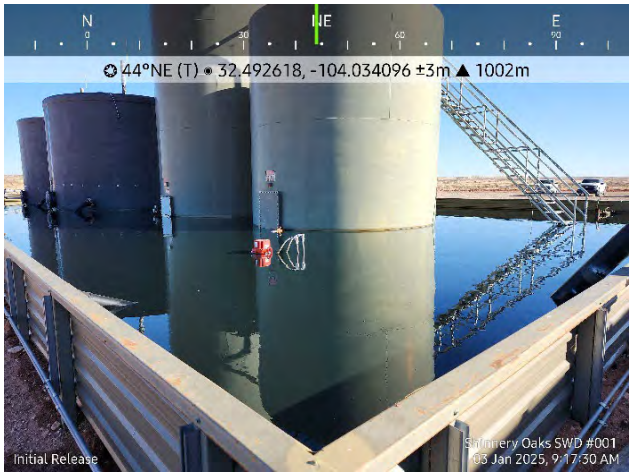
Photograph 1 Date: 1/3/2025
Description: Lease Sign
View: Northeast



Photograph 2 Date: 1/3/2025
Description: Initial Release
View: North



Photograph 3 Date: 1/3/2025
Description: Initial Release
View: Northwest



Photograph 4 Date: 1/3/2025
Description: Initial Release
View: Northeast

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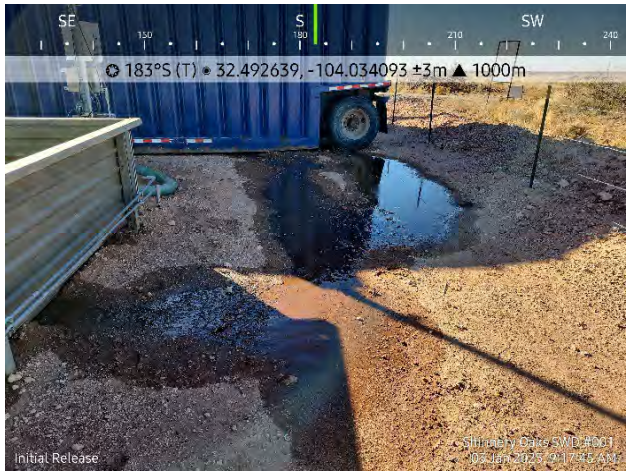
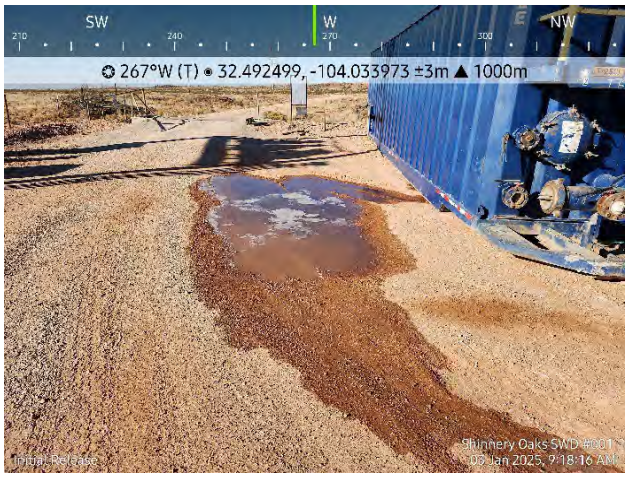
Photographic Log
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
nAPP2500345021

Photograph 5 Date: 1/3/2025
Description: Initial Release
View: North



Photograph 6 Date: 1/3/2025
Description: Initial Release
View: South



Photograph 7 Date: 1/3/2025
Description: Initial Release
View: West

Photograph 8 Date: 1/3/2025
Description: Initial Release
View: North

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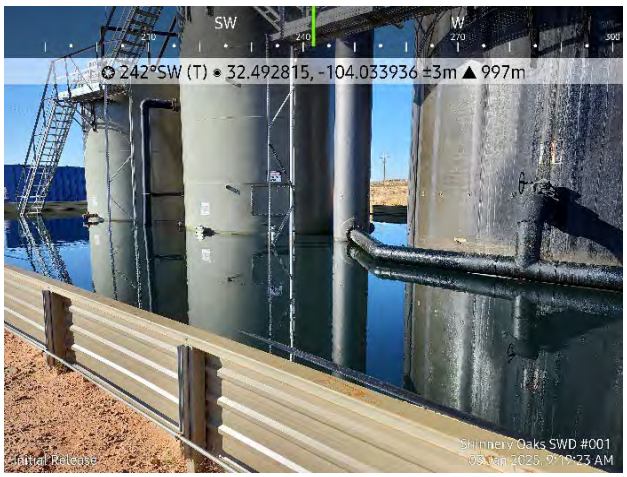
Photographic Log
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
nAPP2500345021

Photograph 9 Date: 1/3/2025
Description: Initial Release
View: West

Photograph 10 Date: 1/3/2025
Description: Initial Release
View: South



Photograph 11 Date: 1/3/2025
Description: Initial Release
View: Southwest

Photograph 12 Date: 1/3/2025
Description: Initial Release
View: Northwest

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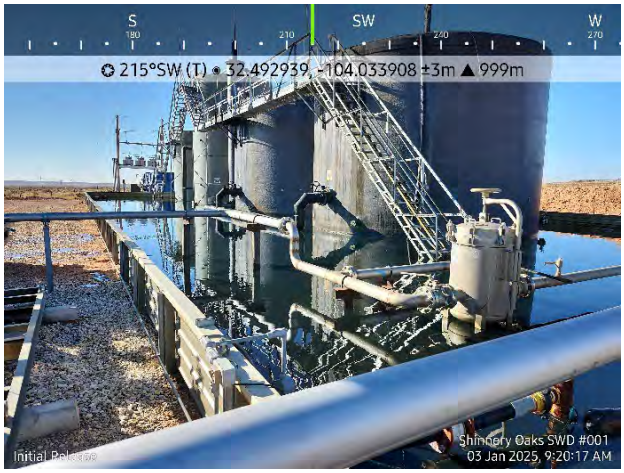
Photographic Log
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
nAPP2500345021

Photograph 13 Date: 1/3/2025
Description: Initial Release
View: West



Photograph 14 Date: 1/3/2025
Description: Initial Release
View: Southwest

Photograph 15 Date: 1/3/2025
Description: Initial Release
View: Southeast

Photograph 16 Date: 1/3/2025
Description: Initial Release
View: Southeast

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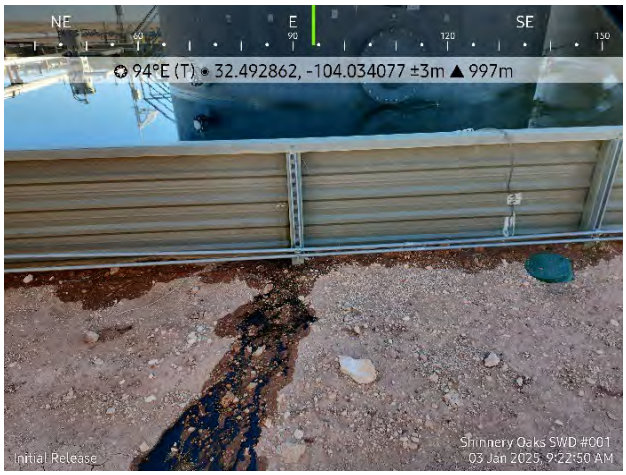
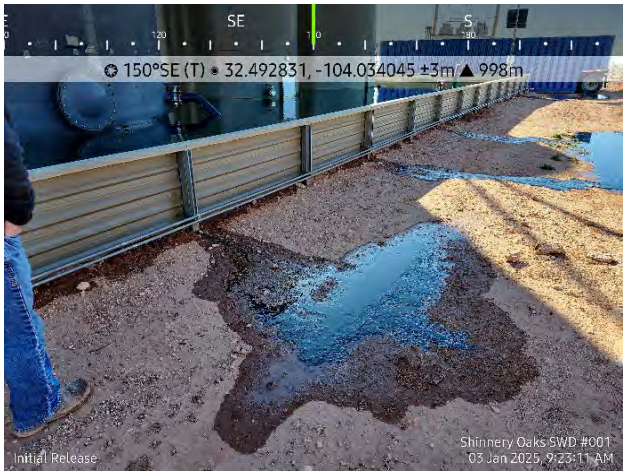
Photographic Log
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
nAPP2500345021

Photograph 17 Date: 1/3/2025
Description: Initial Release
View: Southeast



Photograph 18 Date: 1/3/2025
Description: Initial Release
View: East



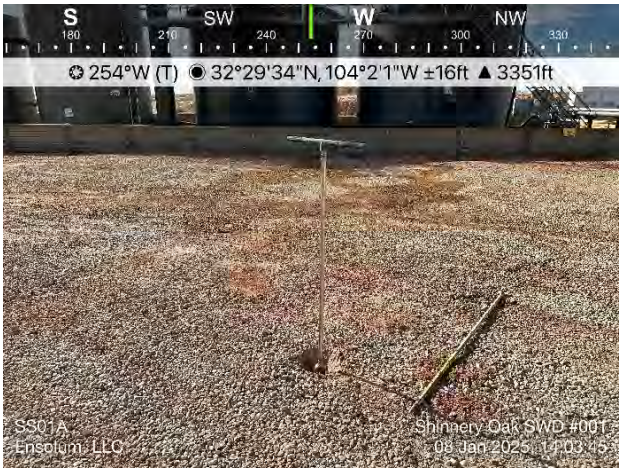
Photograph 19 Date: 1/3/2025
Description: Initial Release
View: Southeast

Photograph 20 Date: 1/3/2025
Description: Initial Release
View: South

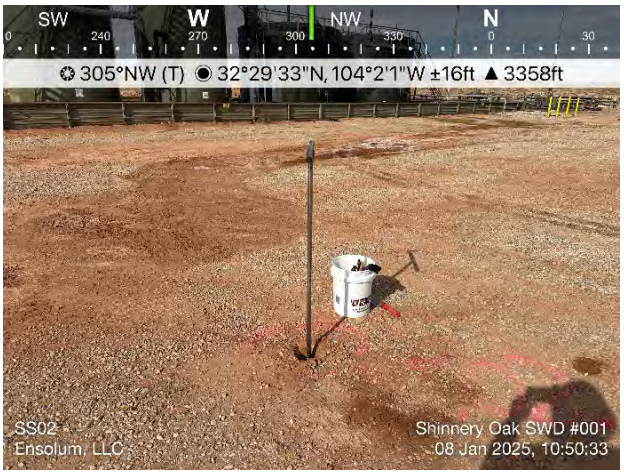
ENSOLUM

Photographic Log
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
nAPP2500345021

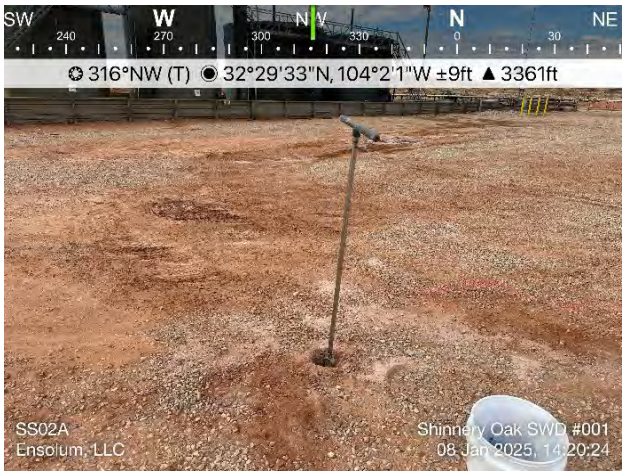
Photograph 21 Date: 1/8/2025
Description: SS01
View: Southwest



Photograph 22 Date: 1/8/2025
Description: SS01A
View: West



Photograph 23 Date: 1/8/2025
Description: SS02
View: Northwest



Photograph 24 Date: 1/8/2025
Description: SS02A
View: Northwest

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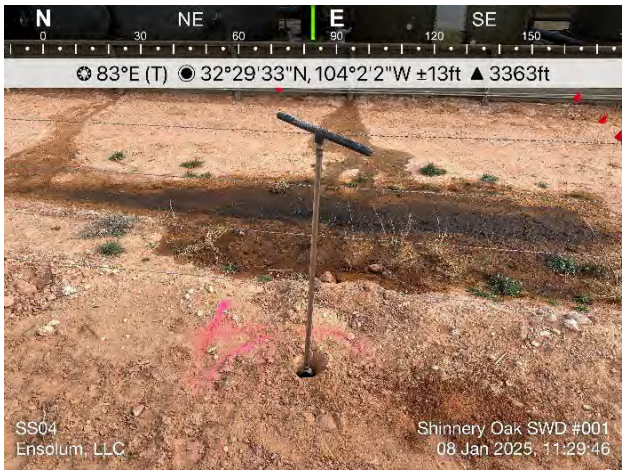
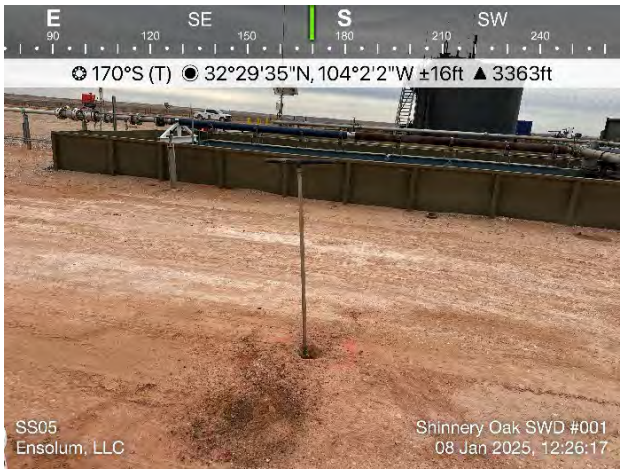
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
nAPP2500345021

Photograph 25 Date: 1/8/2025
Description: SS03
View: West



Photograph 26 Date: 1/8/2025
Description: SS04
View: East



Photograph 27 Date: 1/8/2025
Description: SS05
View: South

Photograph 28 Date: 1/8/2025
Description: SS05A
View: South

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San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
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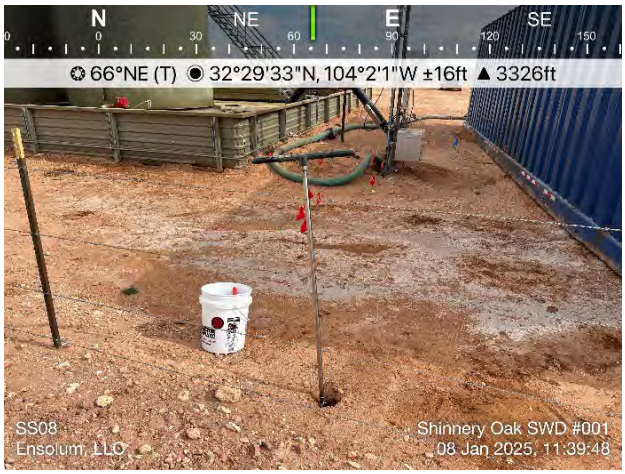
Photograph 29 Date: 1/8/2025
Description: SS06
View: North

Photograph 30 Date: 1/8/2025
Description: SS06A
View: North

Photograph 31 Date: 1/8/2025
Description: SS07
View: Northeast



Photograph 32 Date: 1/8/2025
Description: SS08
View: Northeast

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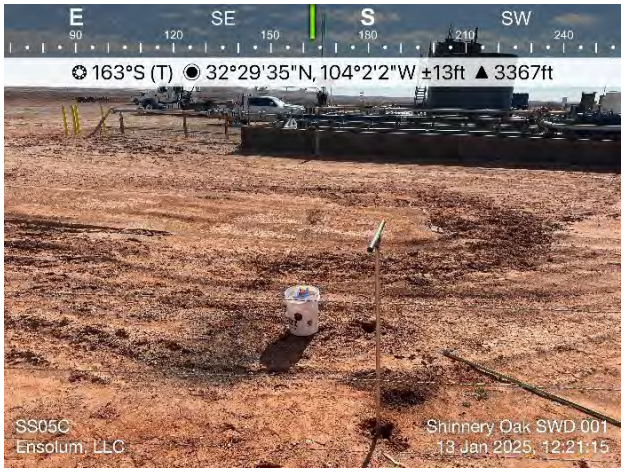
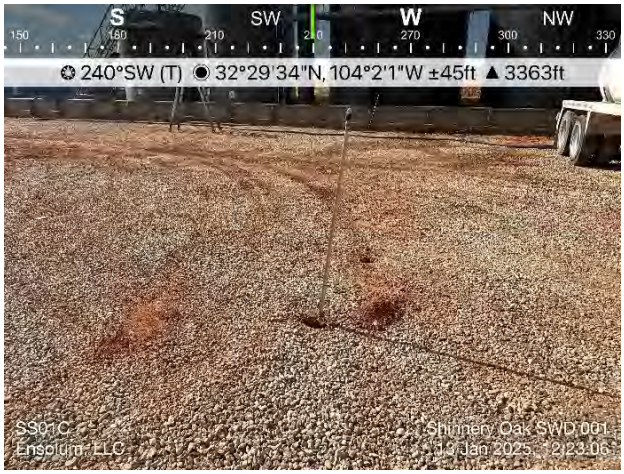
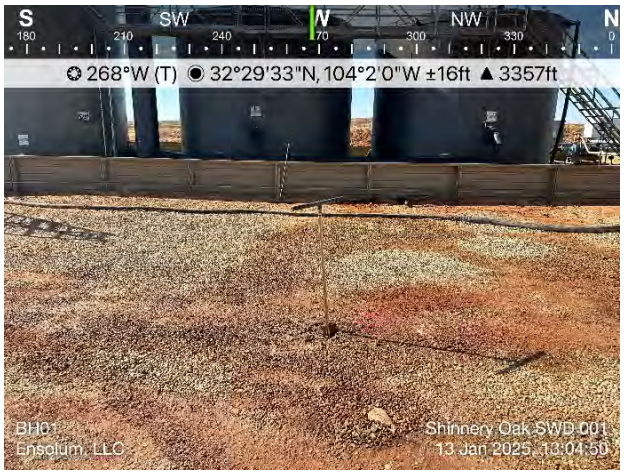
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
nAPP2500345021



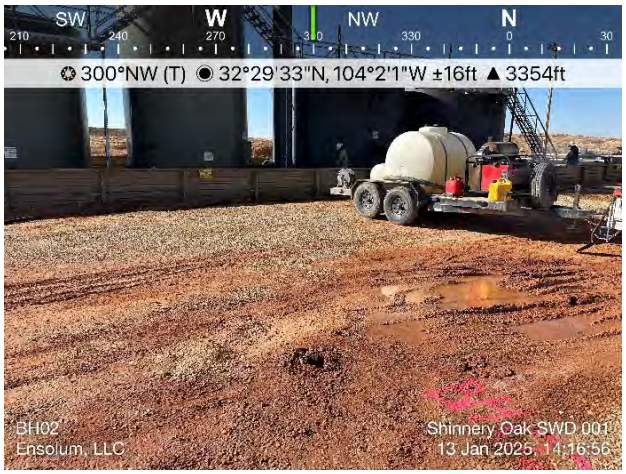
Photograph 33 Date: 1/13/2025
Description: SS05C
View: South



Photograph 34 Date: 1/13/2025
Description: SS01C
View: Southwest



Photograph 35 Date: 1/13/2025
Description: BH01
View: West



Photograph 36 Date: 1/13/2025
Description: BH02
View: Northwest

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San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
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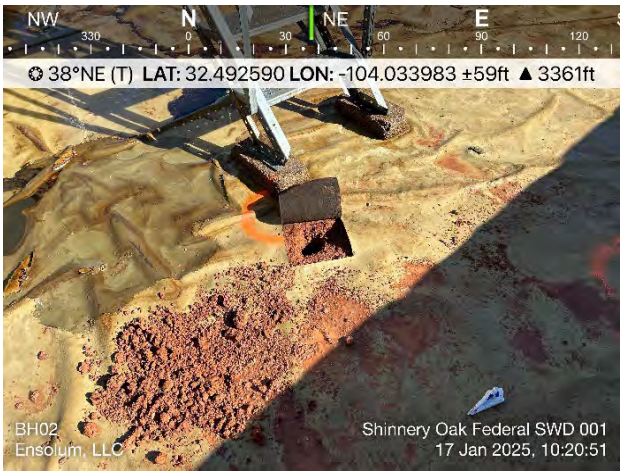
Photograph 37 Date: 1/17/2025
Description: BH01 renamed BH03
View: Direct



Photograph 38 Date: 1/17/2025
Description: BH02 renamed BH04
View: Direct

Photograph 39 Date: 1/17/2025
Description: BH03 renamed BH05
View: Direct

Photograph 40 Date: 1/17/2025
Description: BH04 renamed BH06
View: Direct

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San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
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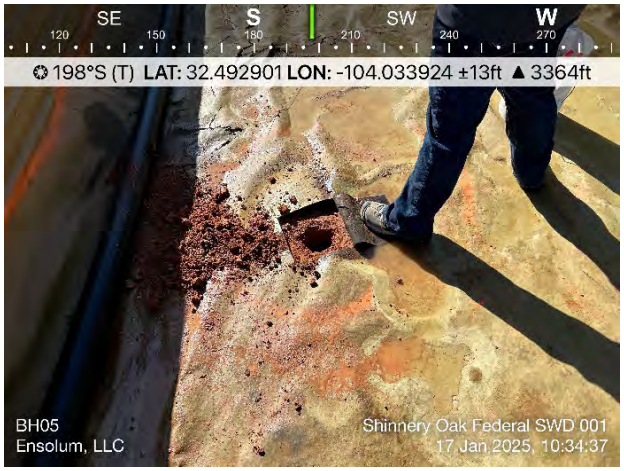
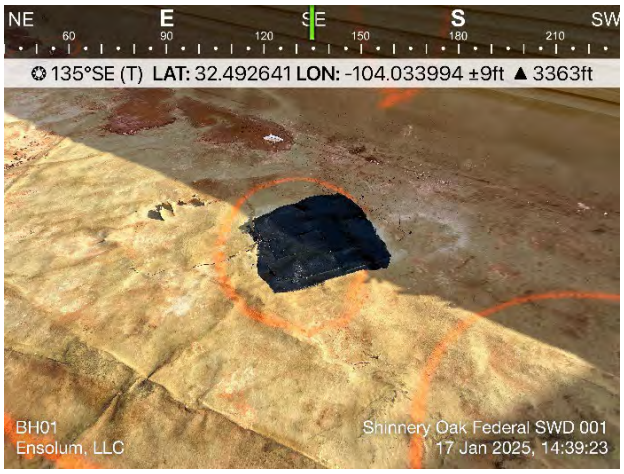


Photograph 41 Date: 1/17/2025
Description: BH05 renamed BH07
View: Direct

Photograph 42 Date: 1/17/2025
Description: BH06 renamed BH08
View: Direct



Photograph 43 Date: 1/17/2025
Description: BH01 Reneamed BH03
View: Direct

Photograph 44 Date: 1/17/2025
Description: BH02 Renamed BH04
View: Direct

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Photographic Log
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
nAPP2500345021

Photograph 45 Date: 1/17/2025
Description: BH03
View: Direct

Photograph 46 Date: 1/17/2025
Description: BH04
View: Direct

Photograph 47 Date: 1/17/2025
Description: BH05
View: Direct

Photograph 48 Date: 1/17/2025
Description: North Side
View: West

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Photographic Log
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
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Photograph 49 Date: 1/17/2025
Description: North Side
View: East

Photograph 50 Date: 1/17/2025
Description: West Side
View: South

Photograph 51 Date: 1/17/2025
Description: South Side
View: East

Photograph 52 Date: 1/17/2025
Description: East Side
View: North

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Photographic Log
San Mateo Stebbins Water Management, LLC
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Photograph 53 Date: 1/20/2025
Description: Tank Battery Delineation (BH06)
View: Direct

Photograph 54 Date: 1/20/2025
Description: Tank Battery Delineation (BH06)
View: Direct

Photograph 55 Date: 1/20/2025
Description: Tank Battery Delineation (BH06)
View: Direct

Photograph 56 Date:1/21/2025
Description: Vertical Delineation (BH10)
View: Direct

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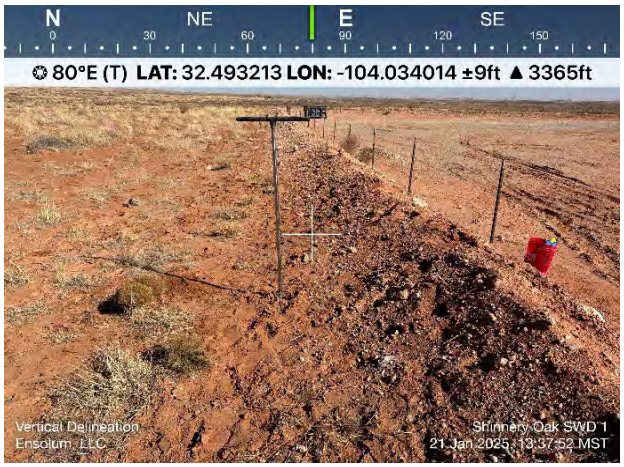
Shinnery Oak SWD 1
nAPP2500345021



Photograph 57 Date:1/21/2025
Description: Vertical Delineation (SS05)
View: East

Photograph 58 Date:1/24/2025
Description: Delineation (BH06)
View: Southwest

Photograph 59 Date:1/24/2025
Description: Delineation (BH03)
View: West

Photograph 60 Date:1/24/2025
Description: Delineation (BH04)
View: Northeast

Photographic Log
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
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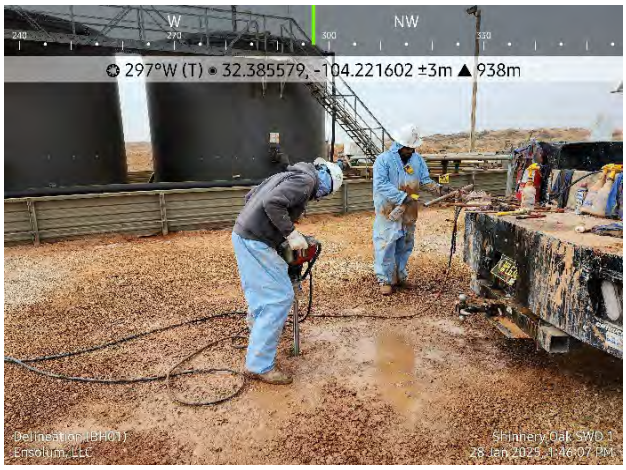
Photograph 61 Date:1/24/2025
Description: Patched BH06
View: Direct

Photograph 62 Date:1/24/2025
Description: Patched BH04
View: Direct

Photograph 63 Date:1/24/2025
Description: Patched BH07
View: Direct



Photograph 64 Date:1/28/2025
Description: Delineation
View: Northwest

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Photographic Log
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
nAPP2500345021

Photograph 65 Date:1/29/2025
Description: Delineation (BH11)
View: Northeast

Photograph 66 Date:1/29/2025
Description: Delineation (BH12)
View: East

Photograph 67 Date:1/29/2025
Description: Delineation (BH11)
View: East

Photograph 68 Date:1/29/2025
Description: Delineation (BH12)
View: East

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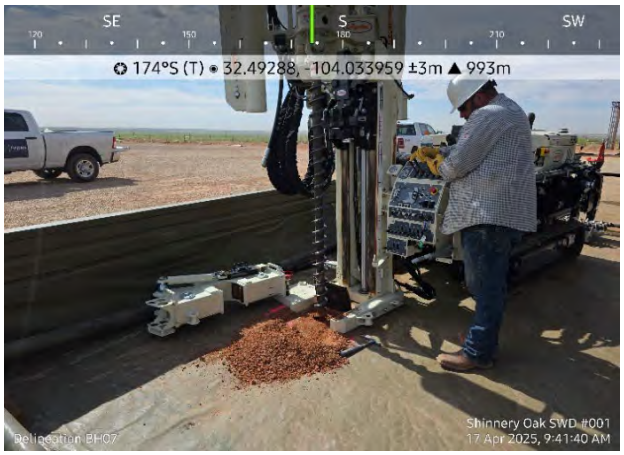
Photographic Log
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
nAPP2500345021



Photograph 69 Date:4/17/2025
Description: Delineation (BH07)
View: South

Photograph 70 Date:4/17/2025
Description: Liner Patch
View: Direct

Photograph 71 Date:4/17/2025
Description: Delineation (BH04)
View: Southwest

Photograph 72 Date:4/17/2025
Description: Delineation (BH01)
View: East

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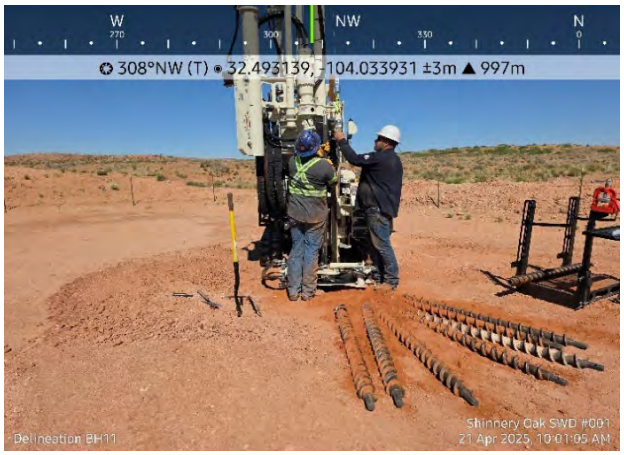
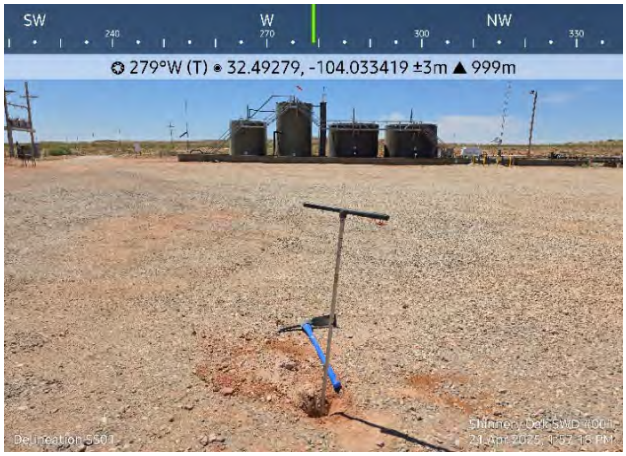
Photographic Log
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
nAPP2500345021



Photograph 73 Date:4/21/2025
Description: Delineation (BH11)
View: Northwest

Photograph 74 Date:4/21/2025
Description: Delineation (BH12)
View: Northwest

Photograph 75 Date:4/21/2025
Description: SS02
View: North



Photograph 76 Date:4/21/2025
Description: SS01
View: West

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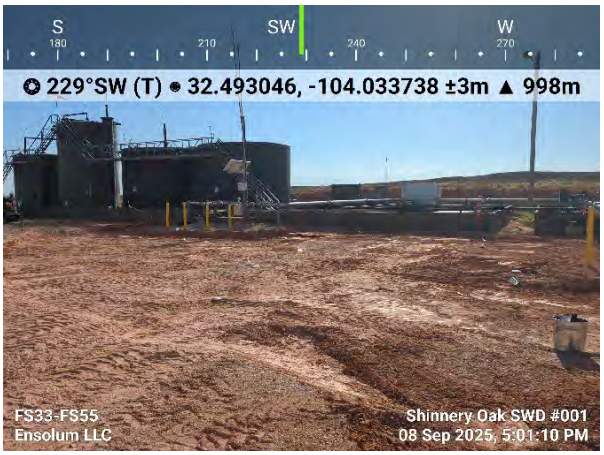
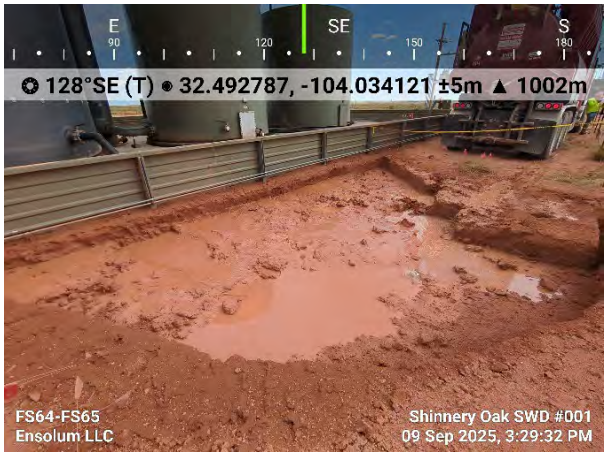
Shinnery Oak SWD 1
nAPP2500345021

Photograph 77 Date:9/8/2025
Description: Excavation Activities
View: Northwest



Photograph 78 Date:9/8/2025
Description: Excavation Activities
View: Southwest

Photograph 79 Date:9/9/2025
Description: Excavation Activities
View: West



Photograph 80 Date:9/9/2025
Description: Excavation Activities
View: Southeast

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Photographic Log
San Mateo Stebbins Water Management, LLC
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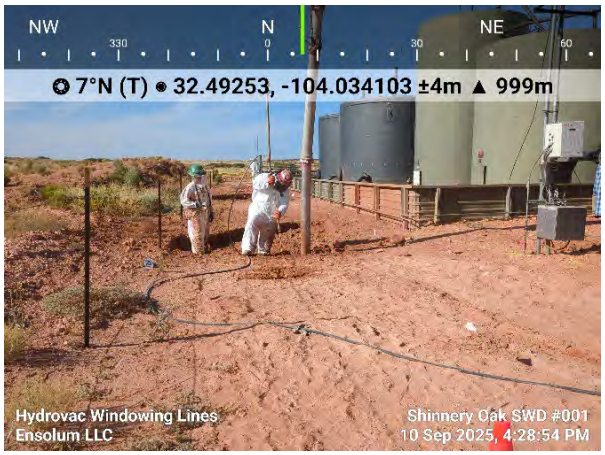
nAPP2500345021



Photograph 81 Date:9/10/2025
Description: Excavation Activities
View: North

Photograph 82 Date:9/10/2025
Description: Excavation Activities
View: Southwest

Photograph 83 Date:9/11/2025
Description: Excavation Area
View: West

Photograph 84 Date:9/11/2025
Description: Excavation Area
View: North

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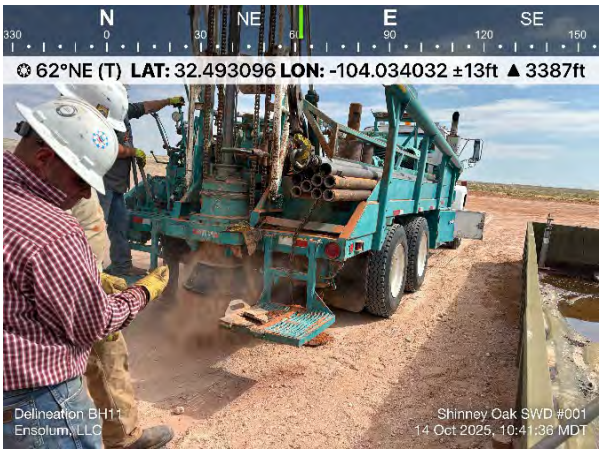
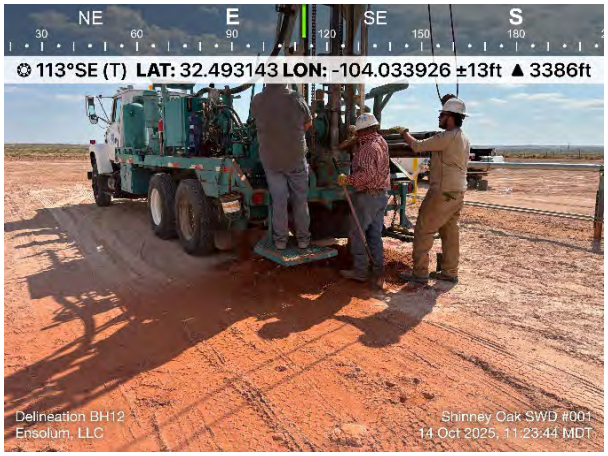
Photographic Log
San Mateo Stebbins Water Management, LLC
Shinnery Oak SWD 1
nAPP2500345021

Photograph 85 Date:9/12/2025
Description: Excavation Area
View: Northwest

Photograph 86 Date:9/12/2025
Description: Excavation Area
View: Northwest



Photograph 87 Date:10/14/2025
Description: Delineation (BH11)
View: Northeast



Photograph 88 Date:10/14/2025
Description: Delineation (BH12)
View: Southeast

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APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E501057

Job Number: 23003-0002

Received: 1/10/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/28/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/28/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E501057
Date Received: 1/10/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/10/2025 8:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/28/25 14:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS03-0'	E501057-01A	Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
SS03-1'	E501057-02A	Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
SS04-0'	E501057-03A	Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
SS04-1'	E501057-04A	Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
SS03A-0'	E501057-05A	Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
SS03A-1'	E501057-06A	Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
SS08-0'	E501057-07A	Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
SS08-1'	E501057-08A	Soil	01/08/25	01/10/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 2:31:21PM

SS03-0'

E501057-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.1 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
Surrogate: n-Nonane		*60.2 %*	*50-200*	*01/10/25*	*01/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2502100
Chloride	**2820**	40.0	2	01/10/25	01/10/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 2:31:21PM

SS03-1'

E501057-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/11/25	
Surrogate: n-Nonane		*132 %*	*50-200*	*01/10/25*	*01/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2502100
Chloride	**344**	20.0	1	01/10/25	01/10/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 2:31:21PM

SS04-0'

E501057-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/11/25	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/10/25*	*01/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2502100
Chloride	**69.4**	20.0	1	01/10/25	01/10/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 2:31:21PM

SS04-1'

E501057-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/11/25	
Surrogate: n-Nonane		*117 %*	*50-200*	*01/10/25*	*01/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2502100
Chloride	ND	20.0	1	01/10/25	01/10/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 2:31:21PM

SS03A-0'

E501057-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/11/25	
Surrogate: n-Nonane		*117 %*	*50-200*	*01/10/25*	*01/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2502100
Chloride	ND	20.0	1	01/10/25	01/10/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 2:31:21PM

SS03A-1'

E501057-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/11/25	
Surrogate: n-Nonane		*115 %*	*50-200*	*01/10/25*	*01/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2502100
Chloride	ND	20.0	1	01/10/25	01/10/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 2:31:21PM

SS08-0'

E501057-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/11/25	
Surrogate: n-Nonane		*115 %*	*50-200*	*01/10/25*	*01/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2502100
Chloride	**23.4**	20.0	1	01/10/25	01/10/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 2:31:21PM

SS08-1'

E501057-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*01/10/25*	*01/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/11/25	
Surrogate: n-Nonane		*109 %*	*50-200*	*01/10/25*	*01/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2502100
Chloride	**24.2**	20.0	1	01/10/25	01/10/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 2:31:21PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2502098-BLK1)									Prepared: 01/10/25 Analyzed: 01/10/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.70*		*8.00*		*83.8*	*70-130*			
LCS (2502098-BS1)									Prepared: 01/10/25 Analyzed: 01/10/25
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.1	70-130			
Toluene	4.84	0.0250	5.00		96.7	70-130			
o-Xylene	4.73	0.0250	5.00		94.6	70-130			
p,m-Xylene	9.67	0.0500	10.0		96.7	70-130			
Total Xylenes	14.4	0.0250	15.0		96.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.86*		*8.00*		*85.7*	*70-130*			
LCS Dup (2502098-BSD1)									Prepared: 01/10/25 Analyzed: 01/10/25
Benzene	4.58	0.0250	5.00		91.5	70-130	5.50	20	
Ethylbenzene	4.49	0.0250	5.00		89.9	70-130	5.70	20	
Toluene	4.56	0.0250	5.00		91.2	70-130	5.85	20	
o-Xylene	4.48	0.0250	5.00		89.6	70-130	5.48	20	
p,m-Xylene	9.16	0.0500	10.0		91.6	70-130	5.49	20	
Total Xylenes	13.6	0.0250	15.0		90.9	70-130	5.49	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.00*		*8.00*		*87.5*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 2:31:21PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2502098-BLK1)									Prepared: 01/10/25 Analyzed: 01/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
LCS (2502098-BS2)									Prepared: 01/10/25 Analyzed: 01/10/25
Gasoline Range Organics (C6-C10)	36.9	20.0	50.0		73.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*97.0*	*70-130*			
LCS Dup (2502098-BSD2)									Prepared: 01/10/25 Analyzed: 01/10/25
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.1	70-130	18.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 2:31:21PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2502099-BLK1)									Prepared: 01/10/25 Analyzed: 01/10/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			
LCS (2502099-BS1)									Prepared: 01/10/25 Analyzed: 01/10/25
Diesel Range Organics (C10-C28)	244	25.0	250		97.6	38-132			
Surrogate: n-Nonane	*47.4*		*50.0*		*94.7*	*50-200*			
LCS Dup (2502099-BSD1)									Prepared: 01/10/25 Analyzed: 01/10/25
Diesel Range Organics (C10-C28)	241	25.0	250		96.3	38-132	1.32	20	
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*50-200*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 2:31:21PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2502100-BLK1)									Prepared: 01/10/25 Analyzed: 01/10/25
Chloride	ND	20.0							
LCS (2502100-BS1)									Prepared: 01/10/25 Analyzed: 01/10/25
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2502100-MS1)				**Source: E501055-02**					Prepared: 01/10/25 Analyzed: 01/10/25
Chloride	386	40.0	250	151	93.9	80-120			
Matrix Spike Dup (2502100-MSD1)				**Source: E501055-02**					Prepared: 01/10/25 Analyzed: 01/10/25
Chloride	408	40.0	250	151	103	80-120	5.44	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/28/25 14:31

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo Stebbins Water Management	Company: Ensolum LLC	Lab WO# E501057	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003.0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
10:54	1/8/2025	S	1	SS03 - 0'		1						X						
11:05	1/8/2025	S	1	SS03 - 1'		2						X						
11:21	1/8/2025	S	1	SS04 - 0'		3						X						
11:27	1/8/2025	S	1	SS04 - 1'		4						X						
11:44	1/8/2025	S	1	SS07 - 0'		5						X						
11:51	1/8/2025	S	1	SS07 - 1'		6						X						
11:34	1/8/2025	S	1	SS08 - 0'		7						X						
11:37	1/8/2025	S	1	SS08 - 1'		8						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Oluwale Aderinto

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Oluwale A	1/9/25	08:05	Michelle Gonzales	1-9-25	0805
Michelle Gonzales	1-9-25	1646		1-9-25	1646
	1-9-25	2245	Caitlin Mar	1.10.25	800

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 1/10/2025 8:54:09AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	01/10/25 08:00	Work Order ID:	E501057
Phone:	(972) 371-5200	Date Logged In:	01/09/25 14:27	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/16/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo Stebbins Water Management	Company: Ensolum LLC	Lab WO# E501057	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23C03-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
10:54	1/8/2025	S	1	SS03 - 0'		1						x			Changed Sample names per Client. 1/28/25 CM
11:05	1/8/2025	S	1	SS03 - 1'		2						x			
11:21	1/8/2025	S	1	SS04 - 0'		3						x			
11:27	1/8/2025	S	1	SS04 - 1'		4						x			
11:44	1/8/2025	S	1	~~SS07 - 0'~~ SS03A - 0'		5						x			
11:51	1/8/2025	S	1	~~SS07 - 1'~~ SS03A - 1'		6						x			
11:34	1/8/2025	S	1	SS08 - 0'		7						x			
11:37	1/8/2025	S	1	SS08 - 1'		8						x			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Oluwale Aderinto

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Oluwale A	1/9/25	08:05	Michelle Gonzales	1-9-25	0805
Michelle Gonzales	1-9-25	1646		1-9-25	1646
	1-9-25	2245	Carla Man	1-10-25	800

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

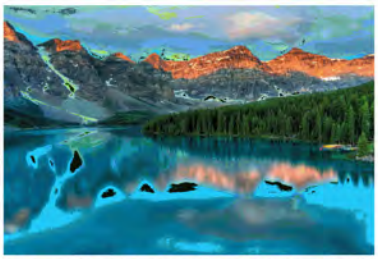
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

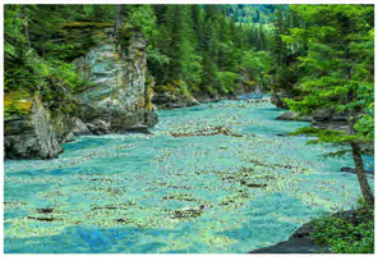
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

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Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E501071

Job Number: 23003-0002

Received: 1/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/17/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/17/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E501071
Date Received: 1/14/2025 5:00:17AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/14/2025 5:00:17AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/17/25 12:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02B-0'	E501071-01A	Soil	01/09/25	01/14/25	Glass Jar, 2 oz.
SS02B-1'	E501071-02A	Soil	01/09/25	01/14/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/17/2025 12:00:54PM

SS02B-0'

E501071-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2503024
Benzene	ND	0.0250	1	01/14/25	01/16/25	
Ethylbenzene	ND	0.0250	1	01/14/25	01/16/25	
Toluene	ND	0.0250	1	01/14/25	01/16/25	
o-Xylene	ND	0.0250	1	01/14/25	01/16/25	
p,m-Xylene	ND	0.0500	1	01/14/25	01/16/25	
Total Xylenes	ND	0.0250	1	01/14/25	01/16/25	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*01/14/25*	*01/16/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*01/14/25*	*01/16/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/14/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2503024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/25	01/16/25	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*01/14/25*	*01/16/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*01/14/25*	*01/16/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*01/14/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2503027
Diesel Range Organics (C10-C28)	ND	25.0	1	01/14/25	01/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/25	01/14/25	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/14/25*	*01/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2503018
Chloride	**61.1**	20.0	1	01/14/25	01/14/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/17/2025 12:00:54PM

SS02B-1'

E501071-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2503024
Benzene	ND	0.0250	1	01/14/25	01/16/25	
Ethylbenzene	ND	0.0250	1	01/14/25	01/16/25	
Toluene	ND	0.0250	1	01/14/25	01/16/25	
o-Xylene	ND	0.0250	1	01/14/25	01/16/25	
p,m-Xylene	ND	0.0500	1	01/14/25	01/16/25	
Total Xylenes	ND	0.0250	1	01/14/25	01/16/25	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*01/14/25*	*01/16/25*	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*	*01/14/25*	*01/16/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/14/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2503024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/25	01/16/25	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*01/14/25*	*01/16/25*	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*	*01/14/25*	*01/16/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*01/14/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2503027
Diesel Range Organics (C10-C28)	ND	25.0	1	01/14/25	01/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/25	01/14/25	
Surrogate: n-Nonane		*121 %*	*50-200*	*01/14/25*	*01/14/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2503018
Chloride	**240**	20.0	1	01/14/25	01/14/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/17/2025 12:00:54PM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2503024-BLK1)									Prepared: 01/14/25 Analyzed: 01/16/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
LCS (2503024-BS1)									Prepared: 01/14/25 Analyzed: 01/16/25
Benzene	2.26	0.0250	2.50		90.5	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.4	70-130			
Toluene	2.29	0.0250	2.50		91.6	70-130			
o-Xylene	2.42	0.0250	2.50		96.7	70-130			
p,m-Xylene	4.79	0.0500	5.00		95.7	70-130			
Total Xylenes	7.21	0.0250	7.50		96.1	70-130			
Surrogate: Bromofluorobenzene	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
Matrix Spike (2503024-MS1)				**Source: E501071-02**					Prepared: 01/14/25 Analyzed: 01/16/25
Benzene	2.29	0.0250	2.50	ND	91.4	48-131			
Ethylbenzene	2.36	0.0250	2.50	ND	94.4	45-135			
Toluene	2.31	0.0250	2.50	ND	92.4	48-130			
o-Xylene	2.44	0.0250	2.50	ND	97.5	43-135			
p,m-Xylene	4.76	0.0500	5.00	ND	95.1	43-135			
Total Xylenes	7.19	0.0250	7.50	ND	95.9	43-135			
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.540*		*0.500*		*108*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2503024-MSD1)				**Source: E501071-02**					Prepared: 01/14/25 Analyzed: 01/16/25
Benzene	2.33	0.0250	2.50	ND	93.1	48-131	1.82	23	
Ethylbenzene	2.40	0.0250	2.50	ND	95.9	45-135	1.58	27	
Toluene	2.35	0.0250	2.50	ND	94.0	48-130	1.76	24	
o-Xylene	2.47	0.0250	2.50	ND	98.6	43-135	1.16	27	
p,m-Xylene	4.84	0.0500	5.00	ND	96.8	43-135	1.79	27	
Total Xylenes	7.31	0.0250	7.50	ND	97.4	43-135	1.58	27	
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.533*		*0.500*		*107*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/17/2025 12:00:54PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2503024-BLK1)									Prepared: 01/14/25 Analyzed: 01/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
LCS (2503024-BS2)									Prepared: 01/14/25 Analyzed: 01/16/25
Gasoline Range Organics (C6-C10)	57.8	20.0	50.0		116	70-130			
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
Matrix Spike (2503024-MS2)				**Source: E501071-02**					Prepared: 01/14/25 Analyzed: 01/16/25
Gasoline Range Organics (C6-C10)	60.3	20.0	50.0	ND	121	70-130			
Surrogate: Bromofluorobenzene	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2503024-MSD2)				**Source: E501071-02**					Prepared: 01/14/25 Analyzed: 01/16/25
Gasoline Range Organics (C6-C10)	58.8	20.0	50.0	ND	118	70-130	2.42	20	
Surrogate: Bromofluorobenzene	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/17/2025 12:00:54PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2503027-BLK1)									Prepared: 01/14/25 Analyzed: 01/14/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.5*		*50.0*		*109*	*50-200*			
LCS (2503027-BS1)									Prepared: 01/14/25 Analyzed: 01/14/25
Diesel Range Organics (C10-C28)	285	25.0	250		114	38-132			
Surrogate: n-Nonane	*56.4*		*50.0*		*113*	*50-200*			
Matrix Spike (2503027-MS1)				**Source: E501059-01**					Prepared: 01/14/25 Analyzed: 01/14/25
Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	38-132			
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*50-200*			
Matrix Spike Dup (2503027-MSD1)				**Source: E501059-01**					Prepared: 01/14/25 Analyzed: 01/14/25
Diesel Range Organics (C10-C28)	305	25.0	250	ND	122	38-132	5.75	20	
Surrogate: n-Nonane	*56.3*		*50.0*		*113*	*50-200*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/17/2025 12:00:54PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2503018-BLK1)									Prepared: 01/13/25 Analyzed: 01/13/25
Chloride	ND	20.0							
LCS (2503018-BS1)									Prepared: 01/13/25 Analyzed: 01/13/25
Chloride	258	20.0	250		103	90-110			
LCS Dup (2503018-BSD1)									Prepared: 01/13/25 Analyzed: 01/13/25
Chloride	258	20.0	250		103	90-110	0.0612	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/17/25 12:00

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: San Mateo Stebbins Water Management	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	E501071	23003-0002				7	7				
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220											
Address: 3122 National Parks Hwy	Phone: 575-988-0055											
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com											
Phone: 575-988-0055	Miscellaneous:											
Email: agiovengo@ensolum.com												

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0949	1/9/25	Soil	1	SS02B-0'		1						+						
1000	1/9/25	Soil	1	SS02B-1'		2						+						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Oluwale Aderinto

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jennifer Nobel	1/10/25	7:30	Michelle Gonzales	1-10-25	0730
Michelle Gonzales	1-13-25	1530	[illegible]	1.13.25	1730
[illegible]	1.13.25	2400	Hayleigh R Hall	1-14-25	0500

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 1/14/2025 8:57:41AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	01/14/25 05:00	Work Order ID:	E501071
Phone:	(972) 371-5200	Date Logged In:	01/13/25 13:38	Logged In By:	Keyliegh Hall
Email:	agiovengo@ensolum.com	Due Date:	01/17/25 17:00 (3 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

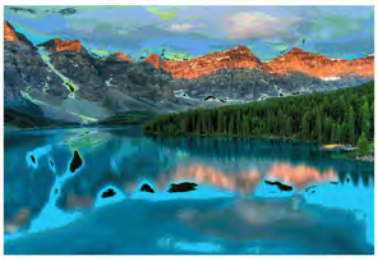
Signature of client authorizing changes to the COC or sample disposition.

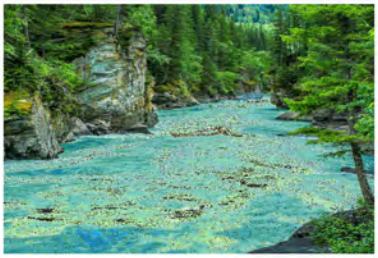
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E501086

Job Number: 23003-0002

Received: 1/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/20/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/20/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E501086
Date Received: 1/15/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/15/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/20/25 12:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E501086-01A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BH01-2'	E501086-02A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BH02-0'	E501086-03A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BH02-2'	E501086-04A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BH02-3'	E501086-05A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2025 12:43:33PM

BH01-0'

E501086-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2503051
Benzene	ND	0.125	5	01/15/25	01/16/25	
Ethylbenzene	ND	0.125	5	01/15/25	01/16/25	
Toluene	ND	0.125	5	01/15/25	01/16/25	
o-Xylene	ND	0.125	5	01/15/25	01/16/25	
p,m-Xylene	ND	0.250	5	01/15/25	01/16/25	
Total Xylenes	ND	0.125	5	01/15/25	01/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*01/15/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2503051
Gasoline Range Organics (C6-C10)	ND	100	5	01/15/25	01/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*01/15/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2503066
Diesel Range Organics (C10-C28)	**1830**	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	**584**	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane		*126 %*	*50-200*	*01/15/25*	*01/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2503080
Chloride	**4740**	40.0	2	01/16/25	01/16/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2025 12:43:33PM

BH01-2'

E501086-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2503051
Benzene	ND	0.0250	1	01/15/25	01/16/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/16/25	
Toluene	ND	0.0250	1	01/15/25	01/16/25	
o-Xylene	ND	0.0250	1	01/15/25	01/16/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/16/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*01/15/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2503051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*01/15/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2503066
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane		*118 %*	*50-200*	*01/15/25*	*01/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2503080
Chloride	**1020**	20.0	1	01/16/25	01/16/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2025 12:43:33PM

BH02-0'

E501086-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2503051
Benzene	ND	0.0250	1	01/15/25	01/16/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/16/25	
Toluene	ND	0.0250	1	01/15/25	01/16/25	
o-Xylene	ND	0.0250	1	01/15/25	01/16/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/16/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*01/15/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2503051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*01/15/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2503066
Diesel Range Organics (C10-C28)	**146**	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	**54.8**	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane		*124 %*	*50-200*	*01/15/25*	*01/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2503080
Chloride	**6950**	100	5	01/16/25	01/16/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2025 12:43:33PM

BH02-2'

E501086-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2503051
Benzene	ND	0.0250	1	01/15/25	01/16/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/16/25	
Toluene	ND	0.0250	1	01/15/25	01/16/25	
o-Xylene	ND	0.0250	1	01/15/25	01/16/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/16/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*01/15/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2503051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*01/15/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2503066
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane		*124 %*	*50-200*	*01/15/25*	*01/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2503080
Chloride	**461**	20.0	1	01/16/25	01/16/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2025 12:43:33PM

BH02-3'

E501086-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2503051
Benzene	ND	0.0250	1	01/15/25	01/16/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/16/25	
Toluene	ND	0.0250	1	01/15/25	01/16/25	
o-Xylene	ND	0.0250	1	01/15/25	01/16/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/16/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*01/15/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2503051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*01/15/25*	*01/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2503066
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/16/25	
Surrogate: n-Nonane		*130 %*	*50-200*	*01/15/25*	*01/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2503080
Chloride	**1420**	20.0	1	01/16/25	01/16/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2025 12:43:33PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2503051-BLK1)									Prepared: 01/15/25 Analyzed: 01/16/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.60*		*8.00*		*82.4*	*70-130*			
LCS (2503051-BS1)									Prepared: 01/15/25 Analyzed: 01/16/25
Benzene	4.76	0.0250	5.00		95.2	70-130			
Ethylbenzene	4.60	0.0250	5.00		92.0	70-130			
Toluene	4.71	0.0250	5.00		94.2	70-130			
o-Xylene	4.57	0.0250	5.00		91.5	70-130			
p,m-Xylene	9.38	0.0500	10.0		93.8	70-130			
Total Xylenes	13.9	0.0250	15.0		93.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.52*		*8.00*		*81.5*	*70-130*			
Matrix Spike (2503051-MS1)				**Source: E501081-05**					Prepared: 01/15/25 Analyzed: 01/15/25
Benzene	4.69	0.0250	5.00	ND	93.7	54-133			
Ethylbenzene	4.56	0.0250	5.00	ND	91.3	61-133			
Toluene	4.64	0.0250	5.00	ND	92.8	61-130			
o-Xylene	4.57	0.0250	5.00	ND	91.5	63-131			
p,m-Xylene	9.30	0.0500	10.0	ND	93.0	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.48*		*8.00*		*93.5*	*70-130*			
Matrix Spike Dup (2503051-MSD1)				**Source: E501081-05**					Prepared: 01/15/25 Analyzed: 01/15/25
Benzene	4.99	0.0250	5.00	ND	99.7	54-133	6.18	20	
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	61-133	6.07	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	6.05	20	
o-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	5.78	20	
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	63-131	6.04	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.2	63-131	5.95	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2025 12:43:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2503051-BLK1)									Prepared: 01/15/25 Analyzed: 01/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			
LCS (2503051-BS2)									Prepared: 01/15/25 Analyzed: 01/16/25
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike (2503051-MS2)				**Source: E501081-05**					Prepared: 01/15/25 Analyzed: 01/15/25
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.8*	*70-130*			
Matrix Spike Dup (2503051-MSD2)				**Source: E501081-05**					Prepared: 01/15/25 Analyzed: 01/15/25
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.9	70-130	12.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.6*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2025 12:43:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2503066-BLK1)									Prepared: 01/15/25 Analyzed: 01/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*60.5*		*50.0*		*121*	*50-200*			
LCS (2503066-BS1)									Prepared: 01/15/25 Analyzed: 01/15/25
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	*60.5*		*50.0*		*121*	*50-200*			
Matrix Spike (2503066-MS1)				**Source: E501085-03**					Prepared: 01/15/25 Analyzed: 01/15/25
Diesel Range Organics (C10-C28)	333	25.0	250	46.0	115	38-132			
Surrogate: n-Nonane	*64.7*		*50.0*		*129*	*50-200*			
Matrix Spike Dup (2503066-MSD1)				**Source: E501085-03**					Prepared: 01/15/25 Analyzed: 01/15/25
Diesel Range Organics (C10-C28)	323	25.0	250	46.0	111	38-132	2.83	20	
Surrogate: n-Nonane	*61.7*		*50.0*		*123*	*50-200*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2025 12:43:33PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2503080-BLK1)									Prepared: 01/16/25 Analyzed: 01/16/25
Chloride	ND	20.0							
LCS (2503080-BS1)									Prepared: 01/16/25 Analyzed: 01/16/25
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2503080-MS1)				**Source: E501092-02**					Prepared: 01/16/25 Analyzed: 01/16/25
Chloride	255	100	250	ND	102	80-120			
Matrix Spike Dup (2503080-MSD1)				**Source: E501092-02**					Prepared: 01/16/25 Analyzed: 01/16/25
Chloride	255	100	250	ND	102	80-120	0.0294	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/20/25 12:43

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E501086	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD 001	Address: 3122 National Parks Hwy	Job Number 23003.0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				
12:40	1/13/2025	S	1	BH01 - 0'		1						X						
13:02	1/13/2025	S	1	BH01 - 2'		2						X						
13:54	1/13/2025	S	1	BH02 - 0'		3						X						
14:09	1/13/2025	S	1	BH02 - 2'		4						X						
14:16	1/13/2025	S	1	BH02 - 3'		5						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Oluwale Aderinto

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Oluwale A	1/14/25	08:05	Michelle Gonzales	1-14-25	0805
Michelle Gonzales	1-14-25	1530		1.14.25	1630
	1.14.25	2230	Cath Thom	1.15.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 1/15/2025 8:36:12AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	01/15/25 07:30	Work Order ID:	E501086
Phone:	(972) 371-5200	Date Logged In:	01/14/25 14:59	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/21/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E501137

Job Number: 23003-0002

Received: 1/21/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/29/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/29/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E501137
Date Received: 1/21/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/21/2025 7:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/29/25 10:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-0'	E501137-01A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH03-1'	E501137-02A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH04-0'	E501137-03A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH04-1'	E501137-04A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH05-0'	E501137-05A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH05-1'	E501137-06A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH06-0'	E501137-07A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH07-0'	E501137-08A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH08-0'	E501137-09A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH08-1'	E501137-10A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH03-1.5'	E501137-11A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH06-2'	E501137-12A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH06-4'	E501137-13A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH07-2'	E501137-14A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH07-4'	E501137-15A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
BH08-3'	E501137-16A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH03-0'

E501137-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	**1.43**	0.0250	1	01/21/25	01/23/25	
Toluene	**0.972**	0.0250	1	01/21/25	01/23/25	
o-Xylene	**2.48**	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	**6.42**	0.0500	1	01/21/25	01/23/25	
Total Xylenes	**8.89**	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	**112**	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	**3590**	25.0	1	01/21/25	01/23/25	T9
Oil Range Organics (C28-C36)	**1210**	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane		*158 %*	*50-200*	*01/21/25*	*01/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**9270**	100	5	01/21/25	01/22/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH03-1'

E501137-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	**0.0255**	0.0250	1	01/21/25	01/23/25	
Toluene	ND	0.0250	1	01/21/25	01/23/25	
o-Xylene	**0.0275**	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/23/25	
Total Xylenes	**0.0275**	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane		*110 %*	*50-200*	*01/21/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**2450**	40.0	2	01/21/25	01/22/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH04-0'

E501137-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	**5.01**	0.125	5	01/21/25	01/23/25	
Ethylbenzene	**17.1**	0.125	5	01/21/25	01/23/25	
Toluene	**43.9**	0.125	5	01/21/25	01/23/25	
o-Xylene	**21.0**	0.125	5	01/21/25	01/23/25	
p,m-Xylene	**61.7**	0.250	5	01/21/25	01/23/25	
Total Xylenes	**82.7**	0.125	5	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	**720**	100	5	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	**15600**	250	10	01/21/25	01/24/25	T9
Oil Range Organics (C28-C36)	**4680**	500	10	01/21/25	01/24/25	
Surrogate: n-Nonane		*545 %*	*50-200*	*01/21/25*	*01/24/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**1410**	20.0	1	01/21/25	01/22/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH04-1'

E501137-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	**0.0642**	0.0250	1	01/21/25	01/23/25	
Toluene	**0.0390**	0.0250	1	01/21/25	01/23/25	
o-Xylene	**0.137**	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	**0.320**	0.0500	1	01/21/25	01/23/25	
Total Xylenes	**0.456**	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.5 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	**445**	25.0	1	01/21/25	01/25/25	
Oil Range Organics (C28-C36)	**146**	50.0	1	01/21/25	01/25/25	
Surrogate: n-Nonane		*122 %*	*50-200*	*01/21/25*	*01/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**409**	20.0	1	01/21/25	01/22/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH05-0'

E501137-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/23/25	
Toluene	ND	0.0250	1	01/21/25	01/23/25	
o-Xylene	ND	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.9 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/21/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**2710**	20.0	1	01/21/25	01/22/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH05-1'

E501137-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/23/25	
Toluene	ND	0.0250	1	01/21/25	01/23/25	
o-Xylene	ND	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.7 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane		*107 %*	*50-200*	*01/21/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**5330**	40.0	2	01/21/25	01/22/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH06-0'

E501137-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/23/25	
Toluene	ND	0.0250	1	01/21/25	01/23/25	
o-Xylene	ND	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	**0.0539**	0.0500	1	01/21/25	01/23/25	
Total Xylenes	**0.0539**	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.2 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane		*107 %*	*50-200*	*01/21/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**6560**	100	5	01/21/25	01/22/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH07-0'

E501137-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	**0.0260**	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	**1.85**	0.0250	1	01/21/25	01/23/25	
Toluene	**1.70**	0.0250	1	01/21/25	01/23/25	
o-Xylene	**3.54**	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	**9.59**	0.0500	1	01/21/25	01/23/25	
Total Xylenes	**13.1**	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	**152**	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*116 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	**2350**	25.0	1	01/21/25	01/24/25	T9
Oil Range Organics (C28-C36)	**798**	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane		*161 %*	*50-200*	*01/21/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**995**	20.0	1	01/21/25	01/22/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH08-0'

E501137-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	**0.0633**	0.0250	1	01/21/25	01/23/25	
Toluene	**0.0403**	0.0250	1	01/21/25	01/23/25	
o-Xylene	**0.120**	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	**0.245**	0.0500	1	01/21/25	01/23/25	
Total Xylenes	**0.365**	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.7 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.4 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	**348**	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	**143**	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/21/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**6330**	40.0	2	01/21/25	01/22/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH08-1'

E501137-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	**0.0313**	0.0250	1	01/21/25	01/23/25	
Toluene	ND	0.0250	1	01/21/25	01/23/25	
o-Xylene	ND	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.6 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane		*113 %*	*50-200*	*01/21/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**1980**	20.0	1	01/21/25	01/22/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH03-1.5'

E501137-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/23/25	
Toluene	ND	0.0250	1	01/21/25	01/23/25	
o-Xylene	ND	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.2 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/21/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**1800**	20.0	1	01/21/25	01/23/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH06-2'

E501137-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/23/25	
Toluene	ND	0.0250	1	01/21/25	01/23/25	
o-Xylene	ND	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.7 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane		*119 %*	*50-200*	*01/21/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**993**	20.0	1	01/21/25	01/23/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH06-4'

E501137-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/23/25	
Toluene	ND	0.0250	1	01/21/25	01/23/25	
o-Xylene	ND	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane		*119 %*	*50-200*	*01/21/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**1710**	20.0	1	01/21/25	01/23/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH07-2'

E501137-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/23/25	
Toluene	ND	0.0250	1	01/21/25	01/23/25	
o-Xylene	ND	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.9 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/21/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**1870**	20.0	1	01/21/25	01/23/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH07-4'

E501137-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/23/25	
Toluene	ND	0.0250	1	01/21/25	01/23/25	
o-Xylene	ND	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.4 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/21/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**1180**	20.0	1	01/21/25	01/23/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

BH08-3'

E501137-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/23/25	
Toluene	ND	0.0250	1	01/21/25	01/23/25	
o-Xylene	ND	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*01/21/25*	*01/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504053
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/21/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2504064
Chloride	**499**	20.0	1	01/21/25	01/23/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2504044-BLK1)									Prepared: 01/21/25 Analyzed: 01/23/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.79*		*8.00*		*84.9*	*70-130*			
LCS (2504044-BS1)									Prepared: 01/21/25 Analyzed: 01/23/25
Benzene	4.97	0.0250	5.00		99.5	70-130			
Ethylbenzene	4.77	0.0250	5.00		95.4	70-130			
Toluene	4.88	0.0250	5.00		97.7	70-130			
o-Xylene	4.74	0.0250	5.00		94.7	70-130			
p,m-Xylene	9.68	0.0500	10.0		96.8	70-130			
Total Xylenes	14.4	0.0250	15.0		96.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.85*		*8.00*		*85.6*	*70-130*			
Matrix Spike (2504044-MS1)				**Source: E501137-05**					Prepared: 01/21/25 Analyzed: 01/23/25
Benzene	5.12	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.87	0.0250	5.00	ND	97.4	61-133			
Toluene	5.03	0.0250	5.00	ND	101	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.1	63-131			
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*6.77*		*8.00*		*84.6*	*70-130*			
Matrix Spike Dup (2504044-MSD1)				**Source: E501137-05**					Prepared: 01/21/25 Analyzed: 01/23/25
Benzene	4.80	0.0250	5.00	ND	96.0	54-133	6.41	20	
Ethylbenzene	4.57	0.0250	5.00	ND	91.5	61-133	6.28	20	
Toluene	4.72	0.0250	5.00	ND	94.4	61-130	6.22	20	
o-Xylene	4.57	0.0250	5.00	ND	91.4	63-131	6.04	20	
p,m-Xylene	9.29	0.0500	10.0	ND	92.9	63-131	6.19	20	
Total Xylenes	13.9	0.0250	15.0	ND	92.4	63-131	6.14	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.78*		*8.00*		*84.8*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2504044-BLK1)									Prepared: 01/21/25 Analyzed: 01/23/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			
LCS (2504044-BS2)									Prepared: 01/21/25 Analyzed: 01/23/25
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0		82.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.95*		*8.00*		*99.4*	*70-130*			
Matrix Spike (2504044-MS2)				**Source: E501137-05**					Prepared: 01/21/25 Analyzed: 01/23/25
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.93*		*8.00*		*99.2*	*70-130*			
Matrix Spike Dup (2504044-MSD2)				**Source: E501137-05**					Prepared: 01/21/25 Analyzed: 01/23/25
Gasoline Range Organics (C6-C10)	41.9	20.0	50.0	ND	83.8	70-130	1.68	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.95*		*8.00*		*99.3*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2504053-BLK1)									Prepared: 01/21/25 Analyzed: 01/23/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.5*		*50.0*		*113*	*50-200*			
LCS (2504053-BS1)									Prepared: 01/21/25 Analyzed: 01/23/25
Diesel Range Organics (C10-C28)	254	25.0	250		101	38-132			
Surrogate: n-Nonane	*60.5*		*50.0*		*121*	*50-200*			
Matrix Spike (2504053-MS1)				**Source: E501137-12**					Prepared: 01/21/25 Analyzed: 01/23/25
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	*57.5*		*50.0*		*115*	*50-200*			
Matrix Spike Dup (2504053-MSD1)				**Source: E501137-12**					Prepared: 01/21/25 Analyzed: 01/23/25
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132	0.371	20	
Surrogate: n-Nonane	*59.5*		*50.0*		*119*	*50-200*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 10:43:11AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2504064-BLK1)									Prepared: 01/21/25 Analyzed: 01/22/25
Chloride	ND	20.0							
LCS (2504064-BS1)									Prepared: 01/21/25 Analyzed: 01/22/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2504064-MS1)				**Source: E501137-04**					Prepared: 01/21/25 Analyzed: 01/22/25
Chloride	672	20.0	250	409	105	80-120			
Matrix Spike Dup (2504064-MSD1)				**Source: E501137-04**					Prepared: 01/21/25 Analyzed: 01/22/25
Chloride	662	20.0	250	409	101	80-120	1.54	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/29/25 10:43

S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
T9	DRO includes undifferentiated early eluting analytes characteristic of GRO.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E501137	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD 001	Address: 3122 National Parks Hwy	Job Number 23C03-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1010	1/17/25	Soil	1	BH01 - 0'		1						x						
1012				BH 01 - 1'		2						x						
1017				BH 02 - 0'		3						x						
1018				BH02 - 1'		4						x						
1021				BH 03 - 0'		5						x						
1023				BH 03 - 1'		6						x						
1026				BH 04 - 0'		7						x						
1032				BH 05 - 0'		8						x						
1038				BH 06 - 0'		9						x						
1040				BH 06 - 1'		10						x						

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Israel Estrella / Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	1/20/25	7:20	Michelle Gonzales	1-20-25	0720
Michelle Gonzales	1-20-25	1500		1.20.25	1600
	1.20.25	2200		1.21.25	700

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E501137	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD 001	Address: 3122 National Parks Hwy	Job Number 23C03-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1155	1/17/25	Soil	1	BH01-1.5'		11						x						
1200				BH04-2'		12						x						
1203				BH04-4'		13						x						
1207				BH05-2'		14						x						
1213				BH05-4'		15						x						
1216				BH06-3'		16						x						
						17						x						
						18						x						
				+		19						x						
						20						x						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Israel Estrella / Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	1/20/25	7:20	Michelle Gonzales	1-20-25	0720
Michelle Gonzales	1-20-25	1500	[signature]	1.20.25	1600
[signature]	1.20.25	2200	[signature]	1.21.25	700
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 1/21/2025 7:46:41AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	01/21/25 07:00	Work Order ID:	E501137
Phone:	(972) 371-5200	Date Logged In:	01/20/25 13:43	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/27/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E501137	Job Number 23C03-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Shinnery Oak SWD 001	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1010	1/17/25	Soil	1	BH01-0'		1						x			Changed Sample names per Client. 1/28/25 CM
1012				BH01-1'		2						x			
1017				BH04-0'		3						x			
1018				BH04-1'		4						x			
1021				BH05-0'		5						x			
1023				BH05-1'		6						x			
1026				BH06-0'		7						x			
1032				BH07-0'		8						x			
1038				BH08-0'		9						x			
1040				BH08-1'		10						x			

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Israel Estrella / Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	1/20/25	7:20	Michelle Gonzales	1-20-25	0720
Michelle Gonzales	1-20-25	1500	[signature]	1.20.25	1600
[signature]	1.20.25	2200	[signature]	1.21.25	700

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E501137	Job Number 23303.0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Shinnery Oak SWD 001	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Analysis and Method	EPA Program: SDWA / CWA / RCRA	Remarks
1155	1/17/25	Soil	1	BH03-1.5'		11						x					
1200				BH04-2'		12						x					
1203				BH04-4'		13						x					
1207				BH05-2'		14						x					
1213				BH05-4'		15						x					
1216				BH06-3'		16						x					
						17						x					
						18						x					
				+		19						x					
						20						x					

Compliance: Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Israel Estrella / Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	1/20/25	7:20	Michelle Gonzales	1-20-25	0720
Michelle Gonzales	1-20-25	1500	[illegible]	1.20.25	1600
[illegible]	1.20.25	2200	[illegible]	1.21.25	700
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E501150

Job Number: 23003-0002

Received: 1/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/28/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/28/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E501150
Date Received: 1/22/2025 7:15:45AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/22/2025 7:15:45AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/28/25 15:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 @ 3'	E501150-01A	Soil	01/20/25	01/22/25	Glass Jar, 2 oz.
BH04 @ 5'	E501150-02A	Soil	01/20/25	01/22/25	Glass Jar, 2 oz.
BH06 @ 5.5'	E501150-03A	Soil	01/20/25	01/22/25	Glass Jar, 2 oz.
BH07 @ 5.5'	E501150-04A	Soil	01/20/25	01/22/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 3:46:17PM

BH04 @ 3'

E501150-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504076
Benzene	ND	0.0250	1	01/22/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/25/25	
Toluene	ND	0.0250	1	01/22/25	01/25/25	
o-Xylene	ND	0.0250	1	01/22/25	01/25/25	
p,m-Xylene	**0.0517**	0.0500	1	01/22/25	01/25/25	
Total Xylenes	**0.0517**	0.0250	1	01/22/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.7 %*	*70-130*	*01/22/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*01/22/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504081
Diesel Range Organics (C10-C28)	**53.0**	25.0	1	01/22/25	01/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/22/25	
Surrogate: n-Nonane		*119 %*	*50-200*	*01/22/25*	*01/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2504084
Chloride	**874**	20.0	1	01/22/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 3:46:17PM

BH04 @ 5'

E501150-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504076
Benzene	ND	0.0250	1	01/22/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/25/25	
Toluene	ND	0.0250	1	01/22/25	01/25/25	
o-Xylene	ND	0.0250	1	01/22/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.1 %*	*70-130*	*01/22/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*01/22/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504081
Diesel Range Organics (C10-C28)	**240**	25.0	1	01/22/25	01/22/25	
Oil Range Organics (C28-C36)	**141**	50.0	1	01/22/25	01/22/25	
Surrogate: n-Nonane		*119 %*	*50-200*	*01/22/25*	*01/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2504084
Chloride	**1110**	20.0	1	01/22/25	01/25/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 3:46:17PM

BH06 @ 5.5'

E501150-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504076
Benzene	ND	0.0250	1	01/22/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/25/25	
Toluene	ND	0.0250	1	01/22/25	01/25/25	
o-Xylene	ND	0.0250	1	01/22/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.2 %*	*70-130*	*01/22/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*01/22/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504081
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/22/25	
Surrogate: n-Nonane		*116 %*	*50-200*	*01/22/25*	*01/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2504084
Chloride	**1390**	20.0	1	01/22/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 3:46:17PM

BH07 @ 5.5'

E501150-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504076
Benzene	ND	0.0250	1	01/22/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/25/25	
Toluene	ND	0.0250	1	01/22/25	01/25/25	
o-Xylene	ND	0.0250	1	01/22/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.6 %*	*70-130*	*01/22/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*01/22/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504081
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/23/25	
Surrogate: n-Nonane		*115 %*	*50-200*	*01/22/25*	*01/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2504084
Chloride	**1440**	20.0	1	01/22/25	01/28/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 3:46:17PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2504076-BLK1)									Prepared: 01/22/25 Analyzed: 01/25/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.66*		*8.00*		*83.2*	*70-130*			
LCS (2504076-BS1)									Prepared: 01/22/25 Analyzed: 01/25/25
Benzene	4.82	0.0250	5.00		96.4	70-130			
Ethylbenzene	4.61	0.0250	5.00		92.2	70-130			
Toluene	4.74	0.0250	5.00		94.8	70-130			
o-Xylene	4.59	0.0250	5.00		91.9	70-130			
p,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	13.9	0.0250	15.0		93.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.81*		*8.00*		*85.1*	*70-130*			
LCS Dup (2504076-BSD1)									Prepared: 01/22/25 Analyzed: 01/25/25
Benzene	4.17	0.0250	5.00		83.4	70-130	14.5	20	
Ethylbenzene	3.97	0.0250	5.00		79.3	70-130	15.0	20	
Toluene	4.08	0.0250	5.00		81.7	70-130	14.9	20	
o-Xylene	3.94	0.0250	5.00		78.8	70-130	15.3	20	
p,m-Xylene	8.06	0.0500	10.0		80.6	70-130	14.8	20	
Total Xylenes	12.0	0.0250	15.0		80.0	70-130	15.0	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.66*		*8.00*		*83.2*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 3:46:17PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2504076-BLK1)									Prepared: 01/22/25 Analyzed: 01/25/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			
LCS (2504076-BS2)									Prepared: 01/22/25 Analyzed: 01/25/25
Gasoline Range Organics (C6-C10)	40.8	20.0	50.0		81.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.91*		*8.00*		*98.9*	*70-130*			
LCS Dup (2504076-BSD2)									Prepared: 01/22/25 Analyzed: 01/25/25
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.1	70-130	2.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 3:46:17PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2504081-BLK1)									Prepared: 01/22/25 Analyzed: 01/22/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*58.0*		*50.0*		*116*	*50-200*			
LCS (2504081-BS1)									Prepared: 01/22/25 Analyzed: 01/22/25
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*50-200*			
Matrix Spike (2504081-MS1)				**Source: E501149-01**					Prepared: 01/22/25 Analyzed: 01/22/25
Diesel Range Organics (C10-C28)	1340	25.0	250	1230	42.0	38-132			
Surrogate: n-Nonane	*58.4*		*50.0*		*117*	*50-200*			
Matrix Spike Dup (2504081-MSD1)				**Source: E501149-01**					Prepared: 01/22/25 Analyzed: 01/22/25
Diesel Range Organics (C10-C28)	1310	25.0	250	1230	31.3	38-132	2.04	20	M4
Surrogate: n-Nonane	*59.6*		*50.0*		*119*	*50-200*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 3:46:17PM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2504084-BLK1)									Prepared: 01/22/25 Analyzed: 01/24/25
Chloride	ND	20.0							
LCS (2504084-BS1)									Prepared: 01/22/25 Analyzed: 01/25/25
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2504084-MS1)				**Source: E501150-02**					Prepared: 01/22/25 Analyzed: 01/25/25
Chloride	1360	20.0	250	1110	99.4	80-120			
Matrix Spike Dup (2504084-MSD1)				**Source: E501150-02**					Prepared: 01/22/25 Analyzed: 01/25/25
Chloride	1360	20.0	250	1110	99.1	80-120	0.0558	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/28/25 15:46

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State					
Client: San Mateo	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project: Shinnery Oak SWD 001	Address: 3122 National Parks Hwy	E501150	23003-0002				X	X					
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220												
Address: 3122 National Parks Hwy	Phone: 575-988-0055												
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com												
Phone: 575-988-0055	Miscellaneous:												
Email: agiovengo@ensolum.com													

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			
11:30	1/20/2025	S	1	BH04 @ 3'		1						X					
11:52	1/20/2025	S	1	BH04 @ 5'		2						X					
12:32	1/20/2025	S	1	BH06 @ 5.5'		3						X					
13:16	1/20/2025	S	1	BH07 @ 5.5'		4						X					

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

Remarks

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Higinio Gonzalez, Oluwale Aderinto

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	01-21-25	0800	Michelle Gonzales	1-21-25	0800
Michelle Gonzales	1-21-25	1630		1.21.25	1700
	1.21.25	2315		1.22.25	7:15

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 1/22/2025 8:42:33AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	01/22/25 07:15	Work Order ID:	E501150
Phone:	(972) 371-5200	Date Logged In:	01/21/25 16:29	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	01/28/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

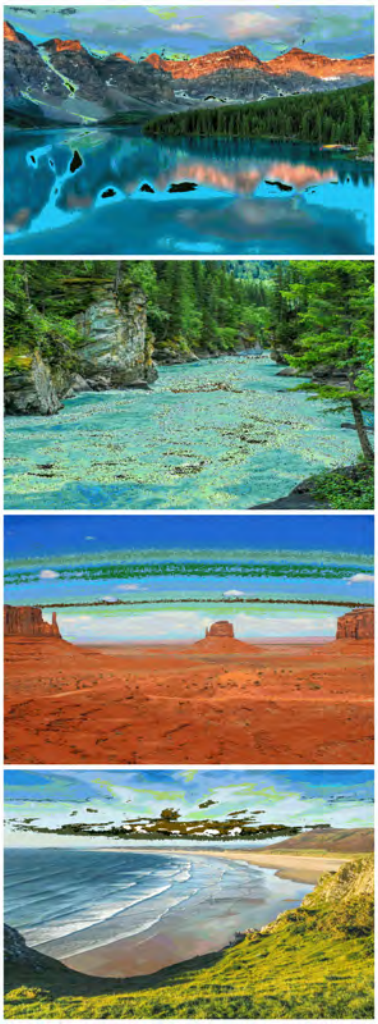
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name:	Shinnery Oak SWD #001
Work Order:	E501159
Job Number:	23003-0002
Received:	1/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/29/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/29/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E501159
Date Received: 1/23/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/23/2025 8:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/29/25 11:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 @ 2.75'	E501159-01A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.
BH09 @ 0'	E501159-02A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.
BH09 @ 1'	E501159-03A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.
BH10 @ 0'	E501159-04A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.
BH10 @ 2'	E501159-05A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.
BH11 @ 0'	E501159-06A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.
BH11 @ 2'	E501159-07A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.
BH11 @ 3'	E501159-08A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.
BH12 @ 0'	E501159-09A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.
BH12 @ 2'	E501159-10A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.
SS05 @ 0'	E501159-11A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.
SS05 @ 1'	E501159-12A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.
SS10 @ 0'	E501159-13A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.
SS10 @ 1'	E501159-14A	Soil	01/21/25	01/23/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

BH01 @ 2.75'

E501159-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	ND	0.0250	1	01/23/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/24/25	
Toluene	ND	0.0250	1	01/23/25	01/24/25	
o-Xylene	ND	0.0250	1	01/23/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.1 %*	*70-130*	*01/23/25*	*01/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*01/23/25*	*01/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		*119 %*	*50-200*	*01/23/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	**2500**	40.0	2	01/27/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

BH09 @ 0'

E501159-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	ND	0.0250	1	01/23/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/24/25	
Toluene	ND	0.0250	1	01/23/25	01/24/25	
o-Xylene	ND	0.0250	1	01/23/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.9 %*	*70-130*	*01/23/25*	*01/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*01/23/25*	*01/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		*122 %*	*50-200*	*01/23/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	**61.8**	20.0	1	01/27/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

BH09 @ 1'

E501159-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	ND	0.0250	1	01/23/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/24/25	
Toluene	ND	0.0250	1	01/23/25	01/24/25	
o-Xylene	ND	0.0250	1	01/23/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.8 %*	*70-130*	*01/23/25*	*01/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*01/23/25*	*01/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		*125 %*	*50-200*	*01/23/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	ND	20.0	1	01/27/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

BH10 @ 0'

E501159-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	**0.743**	0.0500	2	01/23/25	01/25/25	
Ethylbenzene	**3.06**	0.0500	2	01/23/25	01/25/25	
Toluene	**6.18**	0.0500	2	01/23/25	01/25/25	
o-Xylene	**4.58**	0.0500	2	01/23/25	01/25/25	
p,m-Xylene	**11.9**	0.100	2	01/23/25	01/25/25	
Total Xylenes	**16.5**	0.0500	2	01/23/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	**158**	40.0	2	01/23/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.2 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	**20300**	125	5	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	**7700**	250	5	01/23/25	01/24/25	
Surrogate: n-Nonane		*216 %*	*50-200*	*01/23/25*	*01/24/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	**7090**	100	5	01/27/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

BH10 @ 2'

E501159-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	**0.0531**	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	**0.114**	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	**0.263**	0.0500	1	01/23/25	01/25/25	
Total Xylenes	**0.376**	0.0250	1	01/23/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.3 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	**117**	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	**83.8**	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		*124 %*	*50-200*	*01/23/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	**45.3**	20.0	1	01/27/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

BH11 @ 0'

E501159-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	**0.0369**	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.6 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		*121 %*	*50-200*	*01/23/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	**383**	20.0	1	01/27/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

BH11 @ 2'

E501159-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	ND	0.0500	2	01/23/25	01/25/25	
Ethylbenzene	ND	0.0500	2	01/23/25	01/25/25	
Toluene	ND	0.0500	2	01/23/25	01/25/25	
o-Xylene	ND	0.0500	2	01/23/25	01/25/25	
p,m-Xylene	ND	0.100	2	01/23/25	01/25/25	
Total Xylenes	ND	0.0500	2	01/23/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.5 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	40.0	2	01/23/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	**6080**	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	**57.3**	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		*122 %*	*50-200*	*01/23/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	**1190**	20.0	1	01/27/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

BH11 @ 3'

E501159-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	**0.0336**	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.1 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	**550**	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		*135 %*	*50-200*	*01/23/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	**1670**	40.0	2	01/27/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

BH12 @ 0'

E501159-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.2 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		*118 %*	*50-200*	*01/23/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	**17700**	1000	50	01/27/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

BH12 @ 2'

E501159-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.2 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		*119 %*	*50-200*	*01/23/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	**4550**	100	5	01/27/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

SS05 @ 0'

E501159-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.9 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		*118 %*	*50-200*	*01/23/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	**39.3**	20.0	1	01/27/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

SS05 @ 1'

E501159-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.1 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		*120 %*	*50-200*	*01/23/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	ND	20.0	1	01/27/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

SS10 @ 0'

E501159-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.1 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		*118 %*	*50-200*	*01/23/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	**221**	40.0	2	01/27/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

SS10 @ 1'

E501159-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.2 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*01/23/25*	*01/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2504108
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		*129 %*	*50-200*	*01/23/25*	*01/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505002
Chloride	**251**	20.0	1	01/27/25	01/28/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2504100-BLK1)									Prepared: 01/23/25 Analyzed: 01/25/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.80*		*8.00*		*85.0*	*70-130*			
LCS (2504100-BS1)									Prepared: 01/23/25 Analyzed: 01/25/25
Benzene	4.60	0.0250	5.00		91.9	70-130			
Ethylbenzene	4.42	0.0250	5.00		88.4	70-130			
Toluene	4.53	0.0250	5.00		90.6	70-130			
o-Xylene	4.41	0.0250	5.00		88.1	70-130			
p,m-Xylene	9.00	0.0500	10.0		90.0	70-130			
Total Xylenes	13.4	0.0250	15.0		89.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.74*		*8.00*		*84.2*	*70-130*			
LCS Dup (2504100-BSD1)									Prepared: 01/23/25 Analyzed: 01/25/25
Benzene	4.77	0.0250	5.00		95.3	70-130	3.65	20	
Ethylbenzene	4.58	0.0250	5.00		91.6	70-130	3.59	20	
Toluene	4.70	0.0250	5.00		94.0	70-130	3.67	20	
o-Xylene	4.56	0.0250	5.00		91.1	70-130	3.39	20	
p,m-Xylene	9.32	0.0500	10.0		93.2	70-130	3.48	20	
Total Xylenes	13.9	0.0250	15.0		92.5	70-130	3.45	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.63*		*8.00*		*82.8*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2504100-BLK1)									Prepared: 01/23/25 Analyzed: 01/25/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.7*	*70-130*			
LCS (2504100-BS2)									Prepared: 01/23/25 Analyzed: 01/25/25
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0		87.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.93*		*8.00*		*99.1*	*70-130*			
LCS Dup (2504100-BSD2)									Prepared: 01/23/25 Analyzed: 01/26/25
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0		82.5	70-130	5.66	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*97.9*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2504108-BLK1)									Prepared: 01/23/25 Analyzed: 01/24/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*59.4*		*50.0*		*119*	*50-200*			
LCS (2504108-BS1)									Prepared: 01/23/25 Analyzed: 01/24/25
Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132			
Surrogate: n-Nonane	*56.3*		*50.0*		*113*	*50-200*			
Matrix Spike (2504108-MS1)				**Source: E501159-04**					Prepared: 01/23/25 Analyzed: 01/24/25
Diesel Range Organics (C10-C28)	26500	125	250	20300	NR	38-132			M4, T9
Surrogate: n-Nonane	*126*		*50.0*		*253*	*50-200*			*S5*
Matrix Spike Dup (2504108-MSD1)				**Source: E501159-04**					Prepared: 01/23/25 Analyzed: 01/24/25
Diesel Range Organics (C10-C28)	26700	125	250	20300	NR	38-132	0.556	20	M4, T9
Surrogate: n-Nonane	*126*		*50.0*		*253*	*50-200*			*S5*

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/29/2025 11:04:33AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2505002-BLK1)									Prepared: 01/27/25 Analyzed: 01/28/25
Chloride	ND	20.0							
LCS (2505002-BS1)									Prepared: 01/27/25 Analyzed: 01/28/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2505002-MS1)				**Source: E501159-03**					Prepared: 01/27/25 Analyzed: 01/28/25
Chloride	275	20.0	250	ND	110	80-120			
Matrix Spike Dup (2505002-MSD1)				**Source: E501159-03**					Prepared: 01/27/25 Analyzed: 01/28/25
Chloride	275	20.0	250	ND	110	80-120	0.0713	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/29/25 11:04

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
T9	DRO includes undifferentiated early eluting analytes characteristic of GRO.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E501159	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD 001	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0900	01-21-25	S	1	BH01 @ 2.75'		1						X						
0940		S	1	BH09 @ 0'		2						X						
0944		S	1	BH09 @ 1'		3						X						
1102		S	1	BH10 @ 0'		4						X						
1117		S	1	BH10 @ 2'		5						X						
1219		S	1	BH11 @ 0'		6						X						
1231		S	1	BH11 @ 2'		7						X						
1307		S	1	BH11 @ 3'		8						X						
1235		S	1	BH12 @ 0'		9						X						
1258		S	1	BH12 @ 2'		10						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Higinio Gonzalez, Oluwale Aderinto

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	01-22-25	0800	Michelle Gonzales	1-22-25	0800
Michelle Gonzales	1-22-25	1520	Richard Gonzales	1-22-25	1520
Richard Gonzales	1-22-25	2130	Caitlin Mars	1.23.25	800

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E501159	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD 001	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals
1326	01-21-25	S	1	SS05 @ 0'		11						X		
1330	"	S	1	SS05 @ 1'		12						X		
1433	"	S	1	SS10 @ 0'		13						X		
1437	"	S	1	SS10 @ 1'		14						X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Higinio Gonzalez, Oluwale Aderinto

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	01-22-25	0800	Michelle Gonzales	1-22-25	0800
Michelle Gonzales	1-22-25	1520	Richard Gonzales	1-22-25	1520
Richard Gonzales	1-22-25	2130	Caitlin Mason	1-23-25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 1/23/2025 9:11:57AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	01/23/25 08:00	Work Order ID:	E501159
Phone:	(972) 371-5200	Date Logged In:	01/22/25 14:49	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/29/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

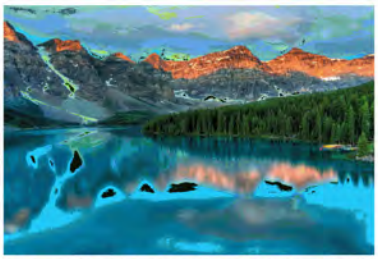
Signature of client authorizing changes to the COC or sample disposition.

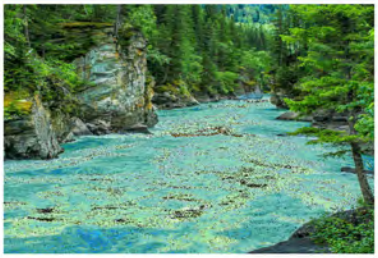
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E501192

Job Number: 23003-0002

Received: 1/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/28/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/28/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E501192
Date Received: 1/28/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/28/2025 7:45:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/28/25 16:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 - 6'	E501192-01A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
BH06 - 6'	E501192-02A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
BH06 - 7'	E501192-03A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
BH07 - 7'	E501192-04A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
BH07 - 8'	E501192-05A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
BH07 - 9'	E501192-06A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 4:58:21PM

BH04 - 6'

E501192-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505032
Benzene	ND	0.0250	1	01/28/25	01/28/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/28/25	
Toluene	ND	0.0250	1	01/28/25	01/28/25	
o-Xylene	ND	0.0250	1	01/28/25	01/28/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/28/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.0 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505020
Diesel Range Organics (C10-C28)	**35.2**	25.0	1	01/28/25	01/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/28/25	
Surrogate: n-Nonane		*86.6 %*	*50-200*	*01/28/25*	*01/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505033
Chloride	**1310**	20.0	1	01/28/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 4:58:21PM

BH06 - 6'

E501192-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505032
Benzene	ND	0.0250	1	01/28/25	01/28/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/28/25	
Toluene	ND	0.0250	1	01/28/25	01/28/25	
o-Xylene	ND	0.0250	1	01/28/25	01/28/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/28/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.9 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505020
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/28/25	
Surrogate: n-Nonane		*91.4 %*	*50-200*	*01/28/25*	*01/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505033
Chloride	**1440**	20.0	1	01/28/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 4:58:21PM

BH06 - 7'

E501192-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505032
Benzene	ND	0.0250	1	01/28/25	01/28/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/28/25	
Toluene	ND	0.0250	1	01/28/25	01/28/25	
o-Xylene	ND	0.0250	1	01/28/25	01/28/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/28/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.8 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505020
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/28/25	
Surrogate: n-Nonane		*90.5 %*	*50-200*	*01/28/25*	*01/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505033
Chloride	**1090**	20.0	1	01/28/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 4:58:21PM

BH07 - 7'

E501192-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505032
Benzene	ND	0.0250	1	01/28/25	01/28/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/28/25	
Toluene	ND	0.0250	1	01/28/25	01/28/25	
o-Xylene	ND	0.0250	1	01/28/25	01/28/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/28/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.7 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505020
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/28/25	
Surrogate: n-Nonane		*96.2 %*	*50-200*	*01/28/25*	*01/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505033
Chloride	**1230**	20.0	1	01/28/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 4:58:21PM

BH07 - 8'

E501192-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505032
Benzene	ND	0.0250	1	01/28/25	01/28/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/28/25	
Toluene	ND	0.0250	1	01/28/25	01/28/25	
o-Xylene	ND	0.0250	1	01/28/25	01/28/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/28/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*80.0 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505020
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/28/25	
Surrogate: n-Nonane		*94.9 %*	*50-200*	*01/28/25*	*01/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505033
Chloride	**992**	20.0	1	01/28/25	01/28/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 4:58:21PM

BH07 - 9'

E501192-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505032
Benzene	ND	0.0250	1	01/28/25	01/28/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/28/25	
Toluene	ND	0.0250	1	01/28/25	01/28/25	
o-Xylene	ND	0.0250	1	01/28/25	01/28/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/28/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.8 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*01/28/25*	*01/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2505020
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/28/25	
Surrogate: n-Nonane		*91.0 %*	*50-200*	*01/28/25*	*01/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505033
Chloride	**703**	20.0	1	01/28/25	01/28/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 4:58:21PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2505032-BLK1)									Prepared: 01/27/25 Analyzed: 01/27/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.17*		*8.00*		*89.6*	*70-130*			
LCS (2505032-BS1)									Prepared: 01/27/25 Analyzed: 01/28/25
Benzene	4.42	0.0250	5.00		88.5	70-130			
Ethylbenzene	4.56	0.0250	5.00		91.1	70-130			
Toluene	4.57	0.0250	5.00		91.3	70-130			
o-Xylene	4.60	0.0250	5.00		91.9	70-130			
p,m-Xylene	9.27	0.0500	10.0		92.7	70-130			
Total Xylenes	13.9	0.0250	15.0		92.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.16*		*8.00*		*89.5*	*70-130*			
LCS Dup (2505032-BSD1)									Prepared: 01/27/25 Analyzed: 01/28/25
Benzene	4.80	0.0250	5.00		96.0	70-130	8.19	20	
Ethylbenzene	4.95	0.0250	5.00		99.0	70-130	8.26	20	
Toluene	4.95	0.0250	5.00		99.0	70-130	8.11	20	
o-Xylene	4.97	0.0250	5.00		99.5	70-130	7.87	20	
p,m-Xylene	10.1	0.0500	10.0		101	70-130	8.16	20	
Total Xylenes	15.0	0.0250	15.0		100	70-130	8.06	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.10*		*8.00*		*88.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 4:58:21PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2505032-BLK1)									Prepared: 01/27/25 Analyzed: 01/27/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.7*	*70-130*			
LCS (2505032-BS2)									Prepared: 01/27/25 Analyzed: 01/28/25
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.0*	*70-130*			
LCS Dup (2505032-BSD2)									Prepared: 01/27/25 Analyzed: 01/28/25
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.3	70-130	2.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.54*		*8.00*		*94.2*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 4:58:21PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2505020-BLK1)									Prepared: 01/27/25 Analyzed: 01/28/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.6*		*50.0*		*115*	*50-200*			
LCS (2505020-BS1)									Prepared: 01/27/25 Analyzed: 01/28/25
Diesel Range Organics (C10-C28)	284	25.0	250		114	38-132			
Surrogate: n-Nonane	*53.3*		*50.0*		*107*	*50-200*			
Matrix Spike (2505020-MS1)				**Source: E501187-08**					Prepared: 01/27/25 Analyzed: 01/28/25
Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	38-132			
Surrogate: n-Nonane	*54.2*		*50.0*		*108*	*50-200*			
Matrix Spike Dup (2505020-MSD1)				**Source: E501187-08**					Prepared: 01/27/25 Analyzed: 01/28/25
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132	6.19	20	
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*50-200*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 4:58:21PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2505033-BLK1)									Prepared: 01/28/25 Analyzed: 01/28/25
Chloride	ND	20.0							
LCS (2505033-BS1)									Prepared: 01/28/25 Analyzed: 01/28/25
Chloride	258	20.0	250		103	90-110			
LCS Dup (2505033-BSD1)									Prepared: 01/28/25 Analyzed: 01/28/25
Chloride	258	20.0	250		103	90-110	0.0353	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/28/25 16:58

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E501192	Job Number 23B03-0002	1D X, 2D, 3D, Std
Project: Shinnery Oak SWD 1	Address: 3122 National Parks Hwy			NM X, CO, UT, TX
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
15:56	1/24/2025	S	1	BH04 - 6'		1						X						
14:41	1/24/2025	S	1	BH06 - 6'		2						X						
15:13	1/24/2025	S	1	BH06 - 7'		3						X						
13:40	1/24/2025	S	1	BH07 - 7'		4						X						
14:08	1/24/2025	S	1	BH07 - 8'		5						X						
16:44	1/24/2025	S	1	BH07 - 9'		6						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Held on Ice. Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Bowan Simmons

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1/27/25	0805	Michelle Gonzales	1.27.25	0805
Michelle Gonzales	1-27-25	1600	[signature]	1.27.25	1615
[signature]	1.27.25	2230	Caitlin Mann	1/28/25	745
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 1/28/2025 9:23:31AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	01/28/25 07:45	Work Order ID:	E501192
Phone:	(972) 371-5200	Date Logged In:	01/27/25 15:16	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	01/28/25 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E501222

Job Number: 23003-0002

Received: 1/30/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/5/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/5/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E501222
Date Received: 1/30/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/30/2025 7:15:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/05/25 11:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS07-0'	E501222-01A	Soil	01/28/25	01/30/25	Glass Jar, 2 oz.
SS07-1'	E501222-02A	Soil	01/28/25	01/30/25	Glass Jar, 2 oz.
BH01-4'	E501222-03A	Soil	01/28/25	01/30/25	Glass Jar, 2 oz.
BH01-6'	E501222-04A	Soil	01/28/25	01/30/25	Glass Jar, 2 oz.
BH01-8'	E501222-05A	Soil	01/28/25	01/30/25	Glass Jar, 2 oz.
BH01-10'	E501222-06A	Soil	01/28/25	01/30/25	Glass Jar, 2 oz.
BH01-13'	E501222-07A	Soil	01/28/25	01/30/25	Glass Jar, 2 oz.
BH01-14'	E501222-08A	Soil	01/28/25	01/30/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:13:06AM

SS07-0'

E501222-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Benzene	ND	0.0250	1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/30/25	01/31/25	
Toluene	ND	0.0250	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/30/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.6 %*	*70-130*	*01/30/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*01/30/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/03/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/03/25	02/04/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*02/03/25*	*02/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505113
Chloride	**112**	20.0	1	01/30/25	01/31/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:13:06AM

SS07-1'

E501222-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Benzene	ND	0.0250	1	01/30/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/30/25	02/01/25	
Toluene	ND	0.0250	1	01/30/25	02/01/25	
o-Xylene	ND	0.0250	1	01/30/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/30/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/30/25	02/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.9 %*	*70-130*	*01/30/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	02/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*01/30/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/03/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/03/25	02/05/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*02/03/25*	*02/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505113
Chloride	**173**	20.0	1	01/30/25	01/31/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:13:06AM

BH01-4'

E501222-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Benzene	ND	0.0250	1	01/30/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/30/25	02/01/25	
Toluene	ND	0.0250	1	01/30/25	02/01/25	
o-Xylene	ND	0.0250	1	01/30/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/30/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/30/25	02/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.7 %*	*70-130*	*01/30/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	02/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*01/30/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/03/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/03/25	02/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*02/03/25*	*02/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505113
Chloride	**1840**	40.0	2	01/30/25	01/31/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:13:06AM

BH01-6'

E501222-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Benzene	ND	0.0250	1	01/30/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/30/25	01/31/25	
Toluene	ND	0.0250	1	01/30/25	01/31/25	
o-Xylene	ND	0.0250	1	01/30/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/30/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/30/25	01/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.3 %*	*70-130*	*01/30/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	01/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*01/30/25*	*01/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/03/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/03/25	02/05/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*02/03/25*	*02/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505113
Chloride	**1940**	40.0	2	01/30/25	01/31/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:13:06AM

BH01-8'

E501222-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Benzene	ND	0.0250	1	01/30/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/30/25	02/01/25	
Toluene	ND	0.0250	1	01/30/25	02/01/25	
o-Xylene	ND	0.0250	1	01/30/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/30/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/30/25	02/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.4 %*	*70-130*	*01/30/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	02/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*01/30/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/03/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/03/25	02/05/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*02/03/25*	*02/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505113
Chloride	**2310**	40.0	2	01/30/25	01/31/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:13:06AM

BH01-10'

E501222-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Benzene	ND	0.0250	1	01/30/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/30/25	02/01/25	
Toluene	ND	0.0250	1	01/30/25	02/01/25	
o-Xylene	ND	0.0250	1	01/30/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/30/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/30/25	02/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.0 %*	*70-130*	*01/30/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	02/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*01/30/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/03/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/03/25	02/05/25	
Surrogate: n-Nonane		*99.3 %*	*61-141*	*02/03/25*	*02/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505113
Chloride	**1140**	20.0	1	01/30/25	01/31/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:13:06AM

BH01-13'

E501222-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Benzene	ND	0.0250	1	01/30/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/30/25	02/01/25	
Toluene	ND	0.0250	1	01/30/25	02/01/25	
o-Xylene	ND	0.0250	1	01/30/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/30/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/30/25	02/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.8 %*	*70-130*	*01/30/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	02/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*01/30/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/03/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/03/25	02/05/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*02/03/25*	*02/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505113
Chloride	**1820**	20.0	1	01/30/25	01/31/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:13:06AM

BH01-14'

E501222-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Benzene	ND	0.0250	1	01/30/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/30/25	02/01/25	
Toluene	ND	0.0250	1	01/30/25	02/01/25	
o-Xylene	ND	0.0250	1	01/30/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/30/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/30/25	02/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*80.3 %*	*70-130*	*01/30/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	02/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*01/30/25*	*02/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/03/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/03/25	02/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*02/03/25*	*02/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505113
Chloride	**1320**	20.0	1	01/30/25	01/31/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:13:06AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2505103-BLK1)									Prepared: 01/30/25 Analyzed: 01/31/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.03*		*8.00*		*87.9*	*70-130*			
LCS (2505103-BS1)									Prepared: 01/30/25 Analyzed: 01/31/25
Benzene	4.72	0.0250	5.00		94.5	70-130			
Ethylbenzene	4.55	0.0250	5.00		90.9	70-130			
Toluene	4.66	0.0250	5.00		93.1	70-130			
o-Xylene	4.54	0.0250	5.00		90.8	70-130			
p,m-Xylene	9.26	0.0500	10.0		92.6	70-130			
Total Xylenes	13.8	0.0250	15.0		92.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.00*		*8.00*		*87.4*	*70-130*			
Matrix Spike (2505103-MS1)				**Source: E501222-04**					Prepared: 01/30/25 Analyzed: 01/31/25
Benzene	4.84	0.0250	5.00	ND	96.9	54-133			
Ethylbenzene	4.65	0.0250	5.00	ND	93.1	61-133			
Toluene	4.76	0.0250	5.00	ND	95.3	61-130			
o-Xylene	4.63	0.0250	5.00	ND	92.6	63-131			
p,m-Xylene	9.46	0.0500	10.0	ND	94.6	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	93.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.01*		*8.00*		*87.6*	*70-130*			
Matrix Spike Dup (2505103-MSD1)				**Source: E501222-04**					Prepared: 01/30/25 Analyzed: 01/31/25
Benzene	4.82	0.0250	5.00	ND	96.4	54-133	0.444	20	
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133	0.448	20	
Toluene	4.74	0.0250	5.00	ND	94.8	61-130	0.508	20	
o-Xylene	4.62	0.0250	5.00	ND	92.4	63-131	0.175	20	
p,m-Xylene	9.43	0.0500	10.0	ND	94.3	63-131	0.316	20	
Total Xylenes	14.1	0.0250	15.0	ND	93.7	63-131	0.270	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.98*		*8.00*		*87.3*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:13:06AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2505103-BLK1)									Prepared: 01/30/25 Analyzed: 01/31/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.7*	*70-130*			
LCS (2505103-BS2)									Prepared: 01/30/25 Analyzed: 01/31/25
Gasoline Range Organics (C6-C10)	38.6	20.0	50.0		77.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.7*	*70-130*			
Matrix Spike (2505103-MS2)				**Source: E501222-04**					Prepared: 01/30/25 Analyzed: 01/31/25
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2505103-MSD2)				**Source: E501222-04**					Prepared: 01/30/25 Analyzed: 01/31/25
Gasoline Range Organics (C6-C10)	38.9	20.0	50.0	ND	77.9	70-130	5.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:13:06AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2506020-BLK1)									Prepared: 02/03/25 Analyzed: 02/04/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.6*		*50.0*		*113*	*61-141*			
LCS (2506020-BS1)									Prepared: 02/03/25 Analyzed: 02/04/25
Diesel Range Organics (C10-C28)	280	25.0	250		112	66-144			
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*61-141*			
Matrix Spike (2506020-MS1)				**Source: E501245-04**					Prepared: 02/03/25 Analyzed: 02/04/25
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	56-156			
Surrogate: n-Nonane	*57.9*		*50.0*		*116*	*61-141*			
Matrix Spike Dup (2506020-MSD1)				**Source: E501245-04**					Prepared: 02/03/25 Analyzed: 02/04/25
Diesel Range Organics (C10-C28)	289	25.0	250	ND	115	56-156	0.133	20	
Surrogate: n-Nonane	*56.8*		*50.0*		*114*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:13:06AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2505113-BLK1)									Prepared: 01/30/25 Analyzed: 01/30/25
Chloride	ND	20.0							
LCS (2505113-BS1)									Prepared: 01/30/25 Analyzed: 01/30/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2505113-MS1)				**Source: E501218-23**					Prepared: 01/30/25 Analyzed: 01/30/25
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2505113-MSD1)				**Source: E501218-23**					Prepared: 01/30/25 Analyzed: 01/30/25
Chloride	258	20.0	250	ND	103	80-120	0.0465	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/05/25 11:13

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E501222	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD 1	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			
1052	1/28/25	S	1	SS07 - 0'		1						X					
1055	"	"	"	SS07 - 1'		2						X					
1026	"	"	"	BH01 - 4'		3						X					
1058	"	"	"	BH01 - 6'		4						X					
1148	"	"	"	BH01 - 8'		5						X					
1408	"	"	"	BH01 - 10'		6						X					
1501	"	"	"	BH01 - 13'		7						X					
1555	"	"	"	BH01 - 14'		8						X					

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/29/25	9:45	Michelle Gonzales	1-29-25	0945
Michelle Gonzales	1-29-25	1545		1-29-25	1545
	1-29-25	2100	Cathman	1.30.25	715

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4 4 Cm

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 1/30/2025 8:07:12AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	01/30/25 07:15	Work Order ID:	E501222
Phone:	(972) 371-5200	Date Logged In:	01/29/25 14:25	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/05/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E501240

Job Number: 23003-0002

Received: 1/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/5/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/5/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E501240
Date Received: 1/31/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/31/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/05/25 11:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH11-5'	E501240-01A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH11-7'	E501240-02A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH11-9'	E501240-03A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH11-11'	E501240-04A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH11-12'	E501240-05A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH11-13'	E501240-06A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH12-4'	E501240-07A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH12-6'	E501240-08A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH12-8'	E501240-09A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH12-10'	E501240-10A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH12-11'	E501240-11A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH12-12'	E501240-12A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH12-13'	E501240-13A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

BH11-5'

E501240-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.0 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505160
Chloride	**1480**	40.0	2	01/31/25	02/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

BH11-7'

E501240-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.2 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505160
Chloride	**983**	20.0	1	01/31/25	02/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

BH11-9'

E501240-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.9 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505160
Chloride	**2580**	40.0	2	01/31/25	02/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

BH11-11'

E501240-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.6 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505160
Chloride	**1910**	40.0	2	01/31/25	02/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

BH11-12'

E501240-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.8 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*122 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505160
Chloride	**1710**	40.0	2	01/31/25	02/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

BH11-13'

E501240-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.4 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505160
Chloride	**1860**	40.0	2	01/31/25	02/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

BH12-4'

E501240-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.6 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505160
Chloride	**5070**	100	5	01/31/25	02/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

BH12-6'

E501240-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.1 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505160
Chloride	**4010**	100	5	01/31/25	02/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

BH12-8'

E501240-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.4 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505160
Chloride	**3320**	40.0	2	01/31/25	02/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

BH12-10'

E501240-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.7 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*121 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505160
Chloride	**2330**	40.0	2	01/31/25	02/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

BH12-11'

E501240-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.3 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*124 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505160
Chloride	**2280**	40.0	2	01/31/25	02/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

BH12-12'

E501240-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.0 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*123 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505160
Chloride	**2070**	40.0	2	01/31/25	02/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

BH12-13'

E501240-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.7 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*01/31/25*	*02/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		*123 %*	*61-141*	*01/31/25*	*02/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2505160
Chloride	**1400**	20.0	1	01/31/25	02/01/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2505144-BLK1)									Prepared: 01/31/25 Analyzed: 02/02/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.60*		*8.00*		*82.5*	*70-130*			
LCS (2505144-BS1)									Prepared: 01/31/25 Analyzed: 02/02/25
Benzene	4.24	0.0250	5.00		84.8	70-130			
Ethylbenzene	4.18	0.0250	5.00		83.5	70-130			
Toluene	4.26	0.0250	5.00		85.3	70-130			
o-Xylene	4.20	0.0250	5.00		84.0	70-130			
p,m-Xylene	8.52	0.0500	10.0		85.2	70-130			
Total Xylenes	12.7	0.0250	15.0		84.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.90*		*8.00*		*86.3*	*70-130*			
Matrix Spike (2505144-MS1)				**Source: E501240-07**					Prepared: 01/31/25 Analyzed: 02/02/25
Benzene	4.27	0.0250	5.00	ND	85.5	54-133			
Ethylbenzene	4.19	0.0250	5.00	ND	83.9	61-133			
Toluene	4.28	0.0250	5.00	ND	85.6	61-130			
o-Xylene	4.23	0.0250	5.00	ND	84.5	63-131			
p,m-Xylene	8.56	0.0500	10.0	ND	85.6	63-131			
Total Xylenes	12.8	0.0250	15.0	ND	85.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*6.92*		*8.00*		*86.5*	*70-130*			
Matrix Spike Dup (2505144-MSD1)				**Source: E501240-07**					Prepared: 01/31/25 Analyzed: 02/02/25
Benzene	4.52	0.0250	5.00	ND	90.4	54-133	5.58	20	
Ethylbenzene	4.46	0.0250	5.00	ND	89.2	61-133	6.13	20	
Toluene	4.53	0.0250	5.00	ND	90.6	61-130	5.71	20	
o-Xylene	4.45	0.0250	5.00	ND	89.0	63-131	5.21	20	
p,m-Xylene	9.08	0.0500	10.0	ND	90.8	63-131	5.84	20	
Total Xylenes	13.5	0.0250	15.0	ND	90.2	63-131	5.63	20	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2505144-BLK1)									Prepared: 01/31/25 Analyzed: 02/02/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.8*	*70-130*			
LCS (2505144-BS2)									Prepared: 01/31/25 Analyzed: 02/02/25
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.94*		*8.00*		*99.3*	*70-130*			
Matrix Spike (2505144-MS2)				**Source: E501240-07**					Prepared: 01/31/25 Analyzed: 02/02/25
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.2*	*70-130*			
Matrix Spike Dup (2505144-MSD2)				**Source: E501240-07**					Prepared: 01/31/25 Analyzed: 02/02/25
Gasoline Range Organics (C6-C10)	44.0	20.0	50.0	ND	88.0	70-130	0.736	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2505161-BLK1)									Prepared: 01/31/25 Analyzed: 02/01/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*62.9*		*50.0*		*126*	*61-141*			
LCS (2505161-BS1)									Prepared: 01/31/25 Analyzed: 02/01/25
Diesel Range Organics (C10-C28)	278	25.0	250		111	66-144			
Surrogate: n-Nonane	*57.7*		*50.0*		*115*	*61-141*			
Matrix Spike (2505161-MS1)				**Source: E501240-07**					Prepared: 01/31/25 Analyzed: 02/01/25
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	*60.4*		*50.0*		*121*	*61-141*			
Matrix Spike Dup (2505161-MSD1)				**Source: E501240-07**					Prepared: 01/31/25 Analyzed: 02/01/25
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	56-156	3.19	20	
Surrogate: n-Nonane	*59.3*		*50.0*		*119*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/5/2025 11:15:14AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2505160-BLK1)									Prepared: 01/31/25 Analyzed: 01/31/25
Chloride	ND	20.0							
LCS (2505160-BS1)									Prepared: 01/31/25 Analyzed: 01/31/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2505160-MS1)				**Source: E501238-22**					Prepared: 01/31/25 Analyzed: 02/01/25
Chloride	270	20.0	250	ND	108	80-120			
Matrix Spike Dup (2505160-MSD1)				**Source: E501238-22**					Prepared: 01/31/25 Analyzed: 02/01/25
Chloride	270	20.0	250	ND	108	80-120	0.104	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/05/25 11:15

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E501240	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD 1	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1004	1/29/25	S	1	BH11-5'		1						X			
1010	"	S	1	BH11-7'		2						"			
1019	"	S	1	BH11-9'		3						"			
1034	"	S	1	BH11-11'		4						"			Only run BGDOC if BH11-9' >100 TPH and 600 Cl-
1042	"	S	1	BH11-12'		5						"			Only run BGDOC if BH11-11' >100 TPH and 600 Cl-
1053	"	S	1	BH11-13'		6						"			Only run BGDOC if BH11-12' >100 TPH and 600 Cl-
1328	"	S	1	BH12-4'		7						"			
1335	"	S	1	BH12-6'		8						"			
1347	"	S	1	BH12-8'		9						"			
1359	"	S	1	BH12-10'		10						"			Only run BGDOC if BH12-8' >100 TPH and 600 Cl-

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/30/25	1030	Michelle Gonzales	1-30-25	1030
Michelle Gonzales	1-30-25	1630		1.30.25	1630
	1.30.25	2330		1.31.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E501240	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD 1	Address: 3122 National Parks Hwy	Job Number 23C03-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1403	1/29/25	S	1	BH12-11'		11						X						Only run BGDOC if BH12-10' >100 TPH and 600 Cl-
1408	1/29/25	S	1	BH12-12'		12						X						Only run BGDOC if BH12-11' >100 TPH and 600 Cl-
1414	1/29/25	S	1	BH12-13'		13						X						Only run BGDOC if BH12-12' >100 TPH and 600 Cl-

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/30/25	1030	Michelle Gonzales	1-30-25	1030
Michelle Gonzales	1-30-25	1630		1.30.25	1630
	1.30.25	2330		1.31.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 1/31/2025 10:33:39AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	01/31/25 07:30	Work Order ID:	E501240
Phone:	(972) 371-5200	Date Logged In:	01/31/25 08:01	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/06/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Client Comment: For samples 4,5,6,10-13-
Only run BGDOC if >100 TPH & 600 CL

Client Instruction

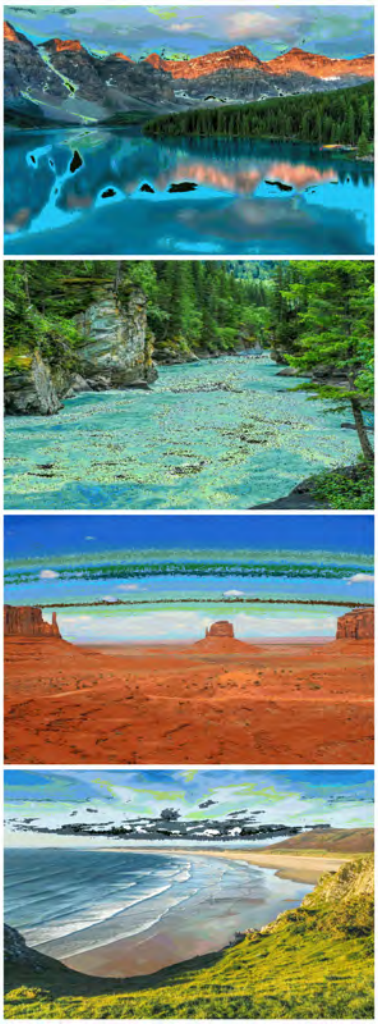
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E504163

Job Number: 23003-0002

Received: 4/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/25/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/25/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E504163
Date Received: 4/21/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/21/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/25/25 12:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-16'	E504163-01A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH01-18'	E504163-02A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH01-20'	E504163-03A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH01-25'	E504163-04A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH01-30'	E504163-05A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH01-35'	E504163-06A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH02-5'	E504163-07A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH02-7'	E504163-08A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH02-9'	E504163-09A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH02-11'	E504163-10A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH02-13'	E504163-11A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH02-15'	E504163-12A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH04-8'	E504163-13A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH04-10'	E504163-14A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH04-12'	E504163-15A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH04-14'	E504163-16A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH07-9'	E504163-17A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH07-11'	E504163-18A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH07-13'	E504163-19A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.
BH10-3'	E504163-20A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH01-16'

E504163-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*93.6 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**1060**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH01-18'

E504163-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*86.4 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**1100**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH01-20'

E504163-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.9 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*92.1 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**795**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH01-25'

E504163-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*86.7 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**545**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH01-30'

E504163-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*88.5 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**548**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH01-35'

E504163-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*87.4 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**360**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH02-5'

E504163-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*91.9 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**1170**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH02-7'

E504163-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*89.8 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**860**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH02-9'

E504163-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/21/25	
Surrogate: n-Nonane		*90.2 %*	*61-141*	*04/21/25*	*04/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**578**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH02-11'

E504163-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*91.5 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**517**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH02-13'

E504163-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*88.1 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**624**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH02-15'

E504163-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*85.9 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**378**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH04-8'

E504163-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*85.1 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**1150**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH04-10'

E504163-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*87.7 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**925**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH04-12'

E504163-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*89.3 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**1520**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH04-14'

E504163-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*84.5 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**432**	20.0	1	04/21/25	04/21/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH07-9'

E504163-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	**178**	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	**53.7**	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*88.2 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**2540**	20.0	1	04/21/25	04/22/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH07-11'

E504163-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	**221**	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	**78.4**	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*90.2 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**2790**	20.0	1	04/21/25	04/22/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH07-13'

E504163-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*88.9 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	**642**	20.0	1	04/21/25	04/22/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

BH10-3'

E504163-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Benzene	ND	0.0250	1	04/21/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/22/25	
Toluene	ND	0.0250	1	04/21/25	04/22/25	
o-Xylene	ND	0.0250	1	04/21/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*04/21/25*	*04/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517010
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*87.0 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517017
Chloride	ND	20.0	1	04/21/25	04/22/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517007-BLK1)									Prepared: 04/21/25 Analyzed: 04/21/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.36*		*8.00*		*92.0*	*70-130*			
LCS (2517007-BS1)									Prepared: 04/21/25 Analyzed: 04/21/25
Benzene	5.25	0.0250	5.00		105	70-130			
Ethylbenzene	5.27	0.0250	5.00		105	70-130			
Toluene	5.29	0.0250	5.00		106	70-130			
o-Xylene	5.17	0.0250	5.00		103	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.58*		*8.00*		*94.7*	*70-130*			
Matrix Spike (2517007-MS1)				**Source: E504163-05**					Prepared: 04/21/25 Analyzed: 04/21/25
Benzene	4.66	0.0250	5.00	ND	93.2	70-130			
Ethylbenzene	4.65	0.0250	5.00	ND	93.1	70-130			
Toluene	4.69	0.0250	5.00	ND	93.7	70-130			
o-Xylene	4.55	0.0250	5.00	ND	90.9	70-130			
p,m-Xylene	9.37	0.0500	10.0	ND	93.7	70-130			
Total Xylenes	13.9	0.0250	15.0	ND	92.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.44*		*8.00*		*93.0*	*70-130*			
Matrix Spike Dup (2517007-MSD1)				**Source: E504163-05**					Prepared: 04/21/25 Analyzed: 04/21/25
Benzene	5.14	0.0250	5.00	ND	103	70-130	9.80	27	
Ethylbenzene	5.16	0.0250	5.00	ND	103	70-130	10.2	26	
Toluene	5.18	0.0250	5.00	ND	104	70-130	9.97	20	
o-Xylene	5.04	0.0250	5.00	ND	101	70-130	10.2	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	10.2	23	
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130	10.2	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.34*		*8.00*		*91.8*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517007-BLK1)									Prepared: 04/21/25 Analyzed: 04/21/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.3*	*70-130*			
LCS (2517007-BS2)									Prepared: 04/21/25 Analyzed: 04/21/25
Gasoline Range Organics (C6-C10)	45.2	20.0	50.0		90.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike (2517007-MS2)				**Source: E504163-05**					Prepared: 04/21/25 Analyzed: 04/21/25
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.0*	*70-130*			
Matrix Spike Dup (2517007-MSD2)				**Source: E504163-05**					Prepared: 04/21/25 Analyzed: 04/21/25
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.5	70-130	6.23	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.3*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517010-BLK1)									Prepared: 04/21/25 Analyzed: 04/22/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.2*		*50.0*		*86.4*	*61-141*			
LCS (2517010-BS1)									Prepared: 04/21/25 Analyzed: 04/22/25
Diesel Range Organics (C10-C28)	215	25.0	250		86.0	66-144			
Surrogate: n-Nonane	*42.6*		*50.0*		*85.1*	*61-141*			
Matrix Spike (2517010-MS1)				**Source: E504163-01**					Prepared: 04/21/25 Analyzed: 04/22/25
Diesel Range Organics (C10-C28)	220	25.0	250	ND	87.8	56-156			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.8*	*61-141*			
Matrix Spike Dup (2517010-MSD1)				**Source: E504163-01**					Prepared: 04/21/25 Analyzed: 04/22/25
Diesel Range Organics (C10-C28)	211	25.0	250	ND	84.3	56-156	4.07	20	
Surrogate: n-Nonane	*42.9*		*50.0*		*85.8*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:41:38PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517017-BLK1)									Prepared: 04/21/25 Analyzed: 04/21/25
Chloride	ND	20.0							
LCS (2517017-BS1)									Prepared: 04/21/25 Analyzed: 04/21/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2517017-MS1)				**Source: E504163-03**					Prepared: 04/21/25 Analyzed: 04/21/25
Chloride	1030	20.0	250	795	94.0	80-120			
Matrix Spike Dup (2517017-MSD1)				**Source: E504163-03**					Prepared: 04/21/25 Analyzed: 04/21/25
Chloride	1020	20.0	250	795	88.4	80-120	1.37	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/25/25 12:41

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E504163	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23C03-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1548	4/17/25	S	1	BH01 - 16'		1						X			Individual Temp. 4.8
1611		S	1	BH01 18'		2						X			4.4
1632		S	1	BH01 20'		3						X			5.1
1742		S	1	BH01 25'		4						X			5.1
1818		S	1	BH01-30'		5						X			4.8
1401		S	1	BH01-35'		6						X			5.1
1147		S	1	BH02 - 5		7						X			4.1
1215		S	1	BH02 - 7		8						X			4.7
1355		S	1	BH02 - 9		9						X			4.8
1418		S	1	BH02 - 11		10						X			4.4

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Chad Hamilton, Abu Bakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/18/25	1057		4.18.25	1330
	4.18.25	1500	Michelle Gonzales	4-18-25	1500
Michelle Gonzales	4-19-25	0119		4.21.25	730

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4.9

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E504103	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23C03-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1140	4/17/25	S	1	BH02 - 13'		11						X			Individual Temp 4.3
1512		S	1	BH02 - 15'		12						X			4.4
1141		S	1	BH04 - 8'		13						X			4.8
1200		S	1	BH04 - 10'		14						X			5.3
1216		S	1	BH04 - 12'		15						X			5.1
1236		S	1	BH04 - 14'		16						X			3.8
0954		S	1	BH07 - 9'		17						X			5.8
1006		S	1	BH07 - 11'		18						X			5.3
1051		S	1	BH07 - 13'		19						X			6.1
0957		S		~~BH0~~ CH BH10 - 3'		20						X			6.3

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Chad Hamilton, Abubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/18/25	10:57		4.18.25	1330
	4.18.25	1500	Michelle Gonzales	4-18-25	1500
Michelle Gonzales	4-19-25	0119		4-21-25	730

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4.9

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/22/2025 9:58:25AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	04/21/25 07:30	Work Order ID:	E504163
Phone:	(972) 371-5200	Date Logged In:	04/18/25 16:16	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4.9°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Individual sample temperatures listed on COC.

Client Instruction

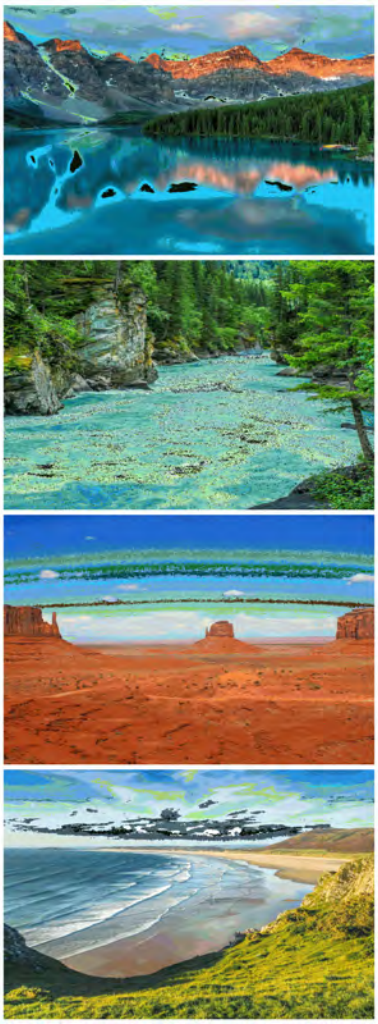
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name:	Black River Gas (Plant 3)
Work Order:	E504166
Job Number:	23003-0002
Received:	4/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/25/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/25/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Black River Gas (Plant 3)
Workorder: E504166
Date Received: 4/21/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/21/2025 7:30:00AM, under the Project Name: Black River Gas (Plant 3).

The analytical test results summarized in this report with the Project Name: Black River Gas (Plant 3) apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/25/25 12:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH07-15'	E504166-01A	Soil	04/17/25	04/21/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:48:47PM

BH07-15'

E504166-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2517006
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2517006
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*04/21/25*	*04/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517011
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
Surrogate: n-Nonane		*94.8 %*	*61-141*	*04/21/25*	*04/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517002
Chloride	**98.3**	20.0	1	04/21/25	04/22/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:48:47PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517006-BLK1)									Prepared: 04/21/25 Analyzed: 04/21/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.48*		*8.00*		*81.1*	*70-130*			
LCS (2517006-BS1)									Prepared: 04/21/25 Analyzed: 04/21/25
Benzene	5.87	0.0250	5.00		117	70-130			
Ethylbenzene	5.91	0.0250	5.00		118	70-130			
Toluene	5.93	0.0250	5.00		119	70-130			
o-Xylene	5.84	0.0250	5.00		117	70-130			
p,m-Xylene	11.9	0.0500	10.0		119	70-130			
Total Xylenes	17.8	0.0250	15.0		119	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.97*		*8.00*		*87.1*	*70-130*			
Matrix Spike (2517006-MS1)				**Source: E504162-03**					Prepared: 04/21/25 Analyzed: 04/22/25
Benzene	5.56	0.0250	5.00	ND	111	70-130			
Ethylbenzene	5.48	0.0250	5.00	ND	110	70-130			
Toluene	5.53	0.0250	5.00	ND	111	70-130			
o-Xylene	5.40	0.0250	5.00	ND	108	70-130			
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130			
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.89*		*8.00*		*86.1*	*70-130*			
Matrix Spike Dup (2517006-MSD1)				**Source: E504162-03**					Prepared: 04/21/25 Analyzed: 04/21/25
Benzene	5.76	0.0250	5.00	ND	115	70-130	3.60	27	
Ethylbenzene	5.80	0.0250	5.00	ND	116	70-130	5.63	26	
Toluene	5.81	0.0250	5.00	ND	116	70-130	4.84	20	
o-Xylene	5.72	0.0250	5.00	ND	114	70-130	5.73	25	
p,m-Xylene	11.7	0.0500	10.0	ND	117	70-130	5.67	23	
Total Xylenes	17.4	0.0250	15.0	ND	116	70-130	5.69	26	
Surrogate: 4-Bromochlorobenzene-PID	*6.99*		*8.00*		*87.4*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:48:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517006-BLK1)									Prepared: 04/21/25 Analyzed: 04/21/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.9*	*70-130*			
LCS (2517006-BS2)									Prepared: 04/21/25 Analyzed: 04/21/25
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike (2517006-MS2)				**Source: E504162-03**					Prepared: 04/21/25 Analyzed: 04/21/25
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			
Matrix Spike Dup (2517006-MSD2)				**Source: E504162-03**					Prepared: 04/21/25 Analyzed: 04/21/25
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0	ND	80.9	70-130	10.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		*8.00*		*96.0*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:48:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517011-BLK1)									Prepared: 04/21/25 Analyzed: 04/21/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.6*		*50.0*		*91.1*	*61-141*			
LCS (2517011-BS1)									Prepared: 04/21/25 Analyzed: 04/21/25
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	66-144			
Surrogate: n-Nonane	*44.6*		*50.0*		*89.2*	*61-141*			
Matrix Spike (2517011-MS1)				**Source: E504162-04**					Prepared: 04/21/25 Analyzed: 04/21/25
Diesel Range Organics (C10-C28)	12500	125	250	11200	503	56-156			M4
Surrogate: n-Nonane	*81.0*		*50.0*		*162*	*61-141*			*S5*
Matrix Spike Dup (2517011-MSD1)				**Source: E504162-04**					Prepared: 04/21/25 Analyzed: 04/21/25
Diesel Range Organics (C10-C28)	12200	125	250	11200	380	56-156	2.49	20	M4
Surrogate: n-Nonane	*88.5*		*50.0*		*177*	*61-141*			*S5*

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/25/2025 12:48:47PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517002-BLK1)									Prepared: 04/21/25 Analyzed: 04/21/25
Chloride	ND	20.0							
LCS (2517002-BS1)									Prepared: 04/21/25 Analyzed: 04/21/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2517002-MS1)				**Source: E504157-04**					Prepared: 04/21/25 Analyzed: 04/21/25
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2517002-MSD1)				**Source: E504157-04**					Prepared: 04/21/25 Analyzed: 04/21/25
Chloride	252	20.0	250	ND	101	80-120	0.166	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/25/25 12:48

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E5041605	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1053	4/17/25	S	1	BH07-15'		1						X						Only Run if BH07-13' is >100 TPH or 600 Cl-

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Chad Hamilton, Abubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/18/25	10:57		4.18.25	1330
	4.18.25	1500	Michelle Gonzales	4-18-25	1500
Michelle Gonzales	4-19-25	0119	Noe Soto	4-21-25	730

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 5.4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/22/2025 10:13:43AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	04/21/25 07:30	Work Order ID:	E504166
Phone:	(972) 371-5200	Date Logged In:	04/21/25 08:33	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 5.4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Client remark- Only run if BH07-13 is >100 TPH or 600CL. Individual sample temperatures listed on COC.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name:	Shinnery Oak SWD #001
Work Order:	E504222
Job Number:	23003-0002
Received:	4/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/29/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/29/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E504222
Date Received: 4/23/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/23/2025 8:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/29/25 09:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E504222-01A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.
SS01-1'	E504222-02A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 9:03:38AM

SS01-0'

E504222-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517064
Benzene	ND	0.0250	1	04/23/25	04/23/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/23/25	
Toluene	ND	0.0250	1	04/23/25	04/23/25	
o-Xylene	ND	0.0250	1	04/23/25	04/23/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/23/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*04/23/25*	*04/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517064
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*04/23/25*	*04/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/23/25	
Surrogate: n-Nonane		*86.8 %*	*61-141*	*04/23/25*	*04/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517070
Chloride	**541**	20.0	1	04/23/25	04/23/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 9:03:38AM

SS01-1'

E504222-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517064
Benzene	ND	0.0250	1	04/23/25	04/23/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/23/25	
Toluene	ND	0.0250	1	04/23/25	04/23/25	
o-Xylene	ND	0.0250	1	04/23/25	04/23/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/23/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*04/23/25*	*04/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517064
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*04/23/25*	*04/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/23/25	
Surrogate: n-Nonane		*86.4 %*	*61-141*	*04/23/25*	*04/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517070
Chloride	ND	20.0	1	04/23/25	04/23/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 9:03:38AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517064-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.96*		*8.00*		*99.4*	*70-130*			
LCS (2517064-BS1)									Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	4.47	0.0250	5.00		89.3	70-130			
Ethylbenzene	4.43	0.0250	5.00		88.5	70-130			
Toluene	4.46	0.0250	5.00		89.2	70-130			
o-Xylene	4.41	0.0250	5.00		88.2	70-130			
p,m-Xylene	8.86	0.0500	10.0		88.6	70-130			
Total Xylenes	13.3	0.0250	15.0		88.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.2*	*70-130*			
Matrix Spike (2517064-MS1)				**Source: E504221-02**					Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	4.67	0.0250	5.00	ND	93.4	70-130			
Ethylbenzene	4.65	0.0250	5.00	0.0256	92.4	70-130			
Toluene	4.66	0.0250	5.00	ND	93.2	70-130			
o-Xylene	4.57	0.0250	5.00	ND	91.5	70-130			
p,m-Xylene	9.26	0.0500	10.0	0.0598	92.0	70-130			
Total Xylenes	13.8	0.0250	15.0	0.0598	91.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.1*	*70-130*			
Matrix Spike Dup (2517064-MSD1)				**Source: E504221-02**					Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	4.71	0.0250	5.00	ND	94.2	70-130	0.907	27	
Ethylbenzene	4.70	0.0250	5.00	0.0256	93.4	70-130	1.03	26	
Toluene	4.71	0.0250	5.00	ND	94.2	70-130	1.10	20	
o-Xylene	4.61	0.0250	5.00	ND	92.2	70-130	0.719	25	
p,m-Xylene	9.36	0.0500	10.0	0.0598	93.0	70-130	1.03	23	
Total Xylenes	14.0	0.0250	15.0	0.0598	92.7	70-130	0.924	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 9:03:38AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517064-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			
LCS (2517064-BS2)									Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0		89.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*98.1*	*70-130*			
Matrix Spike (2517064-MS2)				**Source: E504221-02**					Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	60.6	20.0	50.0	ND	121	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.36*		*8.00*		*104*	*70-130*			
Matrix Spike Dup (2517064-MSD2)				**Source: E504221-02**					Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	63.5	20.0	50.0	ND	127	70-130	4.64	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.87*		*8.00*		*98.4*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 9:03:38AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517060-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*40.6*		*50.0*		*81.2*	*61-141*			
LCS (2517060-BS1)									Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	213	25.0	250		85.4	66-144			
Surrogate: n-Nonane	*41.8*		*50.0*		*83.5*	*61-141*			
Matrix Spike (2517060-MS1)				**Source: E504225-01**					Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.4	56-156			
Surrogate: n-Nonane	*44.4*		*50.0*		*88.8*	*61-141*			
Matrix Spike Dup (2517060-MSD1)				**Source: E504225-01**					Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.8	56-156	0.634	20	
Surrogate: n-Nonane	*43.9*		*50.0*		*87.9*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 9:03:38AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517070-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Chloride	ND	20.0							
LCS (2517070-BS1)									Prepared: 04/23/25 Analyzed: 04/23/25
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2517070-MS1)				**Source: E504222-02**					Prepared: 04/23/25 Analyzed: 04/23/25
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2517070-MSD1)				**Source: E504222-02**					Prepared: 04/23/25 Analyzed: 04/23/25
Chloride	263	20.0	250	ND	105	80-120	0.694	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/29/25 09:03

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E504222	Job Number 23C03-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1111	4/21/25	S	1	SS01 - 0'		1						X						2.3
1203	4/21/25	S	1	SS01 - 1'		2						X						2.4

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/22/25	08:00		4.22.25	0800
	4-22-25	1630		4.22.25	1700
	4.22.25	2400	Noe Soto	4-23-25	0800

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/23/2025 9:51:18AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	04/23/25 08:00	Work Order ID:	E504222
Phone:	(972) 371-5200	Date Logged In:	04/22/25 14:49	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/29/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature:		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Individual sample temperatures listed on COC

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E504223

Job Number: 23003-0002

Received: 4/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/29/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/29/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E504223
Date Received: 4/23/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/23/2025 8:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/29/25 09:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02-0'	E504223-01A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.
SS02-1'	E504223-02A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 9:02:06AM

SS02-0'

E504223-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517064
Benzene	ND	0.0250	1	04/23/25	04/23/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/23/25	
Toluene	ND	0.0250	1	04/23/25	04/23/25	
o-Xylene	ND	0.0250	1	04/23/25	04/23/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/23/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*04/23/25*	*04/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517064
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*04/23/25*	*04/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/23/25	
Surrogate: n-Nonane		*87.8 %*	*61-141*	*04/23/25*	*04/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517070
Chloride	**33.2**	20.0	1	04/23/25	04/23/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 9:02:06AM

SS02-1'

E504223-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517064
Benzene	ND	0.0250	1	04/23/25	04/23/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/23/25	
Toluene	ND	0.0250	1	04/23/25	04/23/25	
o-Xylene	ND	0.0250	1	04/23/25	04/23/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/23/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*04/23/25*	*04/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517064
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.8 %*	*70-130*	*04/23/25*	*04/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2517060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/23/25	
Surrogate: n-Nonane		*86.0 %*	*61-141*	*04/23/25*	*04/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517070
Chloride	**169**	20.0	1	04/23/25	04/23/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 9:02:06AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517064-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.96*		*8.00*		*99.4*	*70-130*			
LCS (2517064-BS1)									Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	4.47	0.0250	5.00		89.3	70-130			
Ethylbenzene	4.43	0.0250	5.00		88.5	70-130			
Toluene	4.46	0.0250	5.00		89.2	70-130			
o-Xylene	4.41	0.0250	5.00		88.2	70-130			
p,m-Xylene	8.86	0.0500	10.0		88.6	70-130			
Total Xylenes	13.3	0.0250	15.0		88.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.2*	*70-130*			
Matrix Spike (2517064-MS1)				**Source: E504221-02**					Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	4.67	0.0250	5.00	ND	93.4	70-130			
Ethylbenzene	4.65	0.0250	5.00	0.0256	92.4	70-130			
Toluene	4.66	0.0250	5.00	ND	93.2	70-130			
o-Xylene	4.57	0.0250	5.00	ND	91.5	70-130			
p,m-Xylene	9.26	0.0500	10.0	0.0598	92.0	70-130			
Total Xylenes	13.8	0.0250	15.0	0.0598	91.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.1*	*70-130*			
Matrix Spike Dup (2517064-MSD1)				**Source: E504221-02**					Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	4.71	0.0250	5.00	ND	94.2	70-130	0.907	27	
Ethylbenzene	4.70	0.0250	5.00	0.0256	93.4	70-130	1.03	26	
Toluene	4.71	0.0250	5.00	ND	94.2	70-130	1.10	20	
o-Xylene	4.61	0.0250	5.00	ND	92.2	70-130	0.719	25	
p,m-Xylene	9.36	0.0500	10.0	0.0598	93.0	70-130	1.03	23	
Total Xylenes	14.0	0.0250	15.0	0.0598	92.7	70-130	0.924	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 9:02:06AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517064-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			
LCS (2517064-BS2)									Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0		89.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*98.1*	*70-130*			
Matrix Spike (2517064-MS2)				**Source: E504221-02**					Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	60.6	20.0	50.0	ND	121	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.36*		*8.00*		*104*	*70-130*			
Matrix Spike Dup (2517064-MSD2)				**Source: E504221-02**					Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	63.5	20.0	50.0	ND	127	70-130	4.64	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.87*		*8.00*		*98.4*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 9:02:06AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517060-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*40.6*		*50.0*		*81.2*	*61-141*			
LCS (2517060-BS1)									Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	213	25.0	250		85.4	66-144			
Surrogate: n-Nonane	*41.8*		*50.0*		*83.5*	*61-141*			
Matrix Spike (2517060-MS1)				**Source: E504225-01**					Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.4	56-156			
Surrogate: n-Nonane	*44.4*		*50.0*		*88.8*	*61-141*			
Matrix Spike Dup (2517060-MSD1)				**Source: E504225-01**					Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.8	56-156	0.634	20	
Surrogate: n-Nonane	*43.9*		*50.0*		*87.9*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 9:02:06AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517070-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Chloride	ND	20.0							
LCS (2517070-BS1)									Prepared: 04/23/25 Analyzed: 04/23/25
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2517070-MS1)				**Source: E504222-02**					Prepared: 04/23/25 Analyzed: 04/23/25
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2517070-MSD1)				**Source: E504222-02**					Prepared: 04/23/25 Analyzed: 04/23/25
Chloride	263	20.0	250	ND	105	80-120	0.694	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/29/25 09:02

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E504223	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0952	4/21/25	S	1	SS02-0'		1						X						3.3
1105	4/21/25	S	1	SS02-1'		2						X						3.1

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/22/25	08:00	Michelle Garcia	4-22-25	0800
Michelle Garcia	4.22.25	1630		4.22.25	1700
	4.22.25	2400	Noe Soto	4.23.25	0800

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C _____

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/23/2025 9:52:02AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	04/23/25 08:00	Work Order ID:	E504223
Phone:	(972) 371-5200	Date Logged In:	04/22/25 14:52	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/29/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature:		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Individual sample temperatures listed on COC

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E504230

Job Number: 23003-0002

Received: 4/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/29/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/29/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E504230
Date Received: 4/23/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/23/2025 8:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/29/25 08:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH12-15'	E504230-01A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.
BH12-20'	E504230-02A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.
BH12-25'	E504230-03A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.
BH12-30'	E504230-04A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.
BH12-35'	E504230-05A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 8:53:09AM

BH12-15'

E504230-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Benzene	ND	0.0250	1	04/23/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/24/25	
Toluene	ND	0.0250	1	04/23/25	04/24/25	
o-Xylene	ND	0.0250	1	04/23/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/23/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*04/23/25*	*04/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517073
Chloride	**2710**	40.0	2	04/23/25	04/23/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 8:53:09AM

BH12-20'

E504230-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Benzene	ND	0.0250	1	04/23/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/24/25	
Toluene	ND	0.0250	1	04/23/25	04/24/25	
o-Xylene	ND	0.0250	1	04/23/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/23/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*04/23/25*	*04/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517073
Chloride	**2820**	40.0	2	04/23/25	04/23/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 8:53:09AM

BH12-25'

E504230-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Benzene	ND	0.0250	1	04/23/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/24/25	
Toluene	ND	0.0250	1	04/23/25	04/24/25	
o-Xylene	ND	0.0250	1	04/23/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/23/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*04/23/25*	*04/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517073
Chloride	**3080**	40.0	2	04/23/25	04/23/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 8:53:09AM

BH12-30'

E504230-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Benzene	ND	0.0250	1	04/23/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/24/25	
Toluene	ND	0.0250	1	04/23/25	04/24/25	
o-Xylene	ND	0.0250	1	04/23/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/23/25	
Surrogate: n-Nonane		*99.8 %*	*61-141*	*04/23/25*	*04/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517073
Chloride	**2660**	40.0	2	04/23/25	04/23/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 8:53:09AM

BH12-35'

E504230-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Benzene	ND	0.0250	1	04/23/25	04/23/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/23/25	
Toluene	ND	0.0250	1	04/23/25	04/23/25	
o-Xylene	ND	0.0250	1	04/23/25	04/23/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/23/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*04/23/25*	*04/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*04/23/25*	*04/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/23/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*04/23/25*	*04/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517073
Chloride	**2340**	40.0	2	04/23/25	04/23/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 8:53:09AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517066-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.52*		*8.00*		*94.0*	*70-130*			
LCS (2517066-BS1)									Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	4.16	0.0250	5.00		83.2	70-130			
Ethylbenzene	4.13	0.0250	5.00		82.7	70-130			
Toluene	4.17	0.0250	5.00		83.5	70-130			
o-Xylene	4.13	0.0250	5.00		82.6	70-130			
p,m-Xylene	8.28	0.0500	10.0		82.8	70-130			
Total Xylenes	12.4	0.0250	15.0		82.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.2*	*70-130*			
Matrix Spike (2517066-MS1)				**Source: E504230-05**					Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	4.47	0.0250	5.00	ND	89.5	70-130			
Ethylbenzene	4.43	0.0250	5.00	ND	88.6	70-130			
Toluene	4.47	0.0250	5.00	ND	89.4	70-130			
o-Xylene	4.40	0.0250	5.00	ND	88.1	70-130			
p,m-Xylene	8.86	0.0500	10.0	ND	88.6	70-130			
Total Xylenes	13.3	0.0250	15.0	ND	88.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.1*	*70-130*			
Matrix Spike Dup (2517066-MSD1)				**Source: E504230-05**					Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	3.97	0.0250	5.00	ND	79.5	70-130	11.8	27	
Ethylbenzene	3.95	0.0250	5.00	ND	78.9	70-130	11.6	26	
Toluene	3.97	0.0250	5.00	ND	79.5	70-130	11.8	20	
o-Xylene	3.92	0.0250	5.00	ND	78.4	70-130	11.7	25	
p,m-Xylene	7.90	0.0500	10.0	ND	79.0	70-130	11.5	23	
Total Xylenes	11.8	0.0250	15.0	ND	78.8	70-130	11.5	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.73*		*8.00*		*96.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 8:53:09AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517066-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.02*		*8.00*		*100*	*70-130*			
LCS (2517066-BS2)									Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.20*		*8.00*		*102*	*70-130*			
Matrix Spike (2517066-MS2)				**Source: E504230-05**					Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.16*		*8.00*		*102*	*70-130*			
Matrix Spike Dup (2517066-MSD2)				**Source: E504230-05**					Prepared: 04/23/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.5	70-130	11.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 8:53:09AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517062-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*61-141*			
LCS (2517062-BS1)									Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	221	25.0	250		88.2	66-144			
Surrogate: n-Nonane	*49.1*		*50.0*		*98.1*	*61-141*			
Matrix Spike (2517062-MS1)				**Source: E504230-04**					Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	230	25.0	250	ND	91.9	56-156			
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*61-141*			
Matrix Spike Dup (2517062-MSD1)				**Source: E504230-04**					Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.8	56-156	2.32	20	
Surrogate: n-Nonane	*49.9*		*50.0*		*99.8*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 8:53:09AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517073-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Chloride	ND	20.0							
LCS (2517073-BS1)									Prepared: 04/23/25 Analyzed: 04/23/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2517073-MS1)				**Source: E504230-03**					Prepared: 04/23/25 Analyzed: 04/23/25
Chloride	3110	40.0	250	3080	15.0	80-120			M4
Matrix Spike Dup (2517073-MSD1)				**Source: E504230-03**					Prepared: 04/23/25 Analyzed: 04/23/25
Chloride	3100	40.0	250	3080	8.75	80-120	0.504	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/29/25 08:53

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E504230	Job Number 23C03-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1354 ~~1355~~	4/7/25	S	1	BH12 - 15'		1						X						3.2
1421	"	S	1	BH12 - 20'		2						X						4.1
1448		S	1	BH12 - 25'		3						X						4.9
1517		S	1	BH12 - 30'		4						X						4.5
1551		S	1	BH12 - 35'		5						X						3.9

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/22/25	08:00	Michelle Cruz	4-22-25	0800
Michelle Cruz	4-22-25	1630		4.22.25	1700
	4.22.25	2400	Noe Soto	4-23-25	0800

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: Y N

T1 T2 T3

AVG Temp °C

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/23/2025 10:00:54AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	04/23/25 08:00	Work Order ID:	E504230
Phone:	(972) 371-5200	Date Logged In:	04/22/25 15:30	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/29/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature:		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Individual sample temperatures listed on COC

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E504231

Job Number: 23003-0002

Received: 4/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/29/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/29/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E504231
Date Received: 4/23/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/23/2025 8:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/29/25 12:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH11-15'	E504231-01A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.
BH11-20'	E504231-02A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.
BH11-25'	E504231-03A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.
BH11-30'	E504231-04A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.
BH11-35'	E504231-05A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.
BH11-40'	E504231-06A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.
BH11-47.5'	E504231-07A	Soil	04/21/25	04/23/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 12:02:06PM

BH11-15'

E504231-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Benzene	ND	0.0250	1	04/23/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/24/25	
Toluene	ND	0.0250	1	04/23/25	04/24/25	
o-Xylene	ND	0.0250	1	04/23/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/23/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*04/23/25*	*04/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517072
Chloride	**2360**	40.0	2	04/23/25	04/24/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 12:02:06PM

BH11-20'

E504231-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Benzene	ND	0.0250	1	04/23/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/24/25	
Toluene	ND	0.0250	1	04/23/25	04/24/25	
o-Xylene	ND	0.0250	1	04/23/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/23/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*04/23/25*	*04/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517072
Chloride	**2480**	40.0	2	04/23/25	04/24/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 12:02:06PM

BH11-25'

E504231-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Benzene	ND	0.0250	1	04/23/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/24/25	
Toluene	ND	0.0250	1	04/23/25	04/24/25	
o-Xylene	ND	0.0250	1	04/23/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/23/25	
Surrogate: n-Nonane		*98.8 %*	*61-141*	*04/23/25*	*04/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517072
Chloride	**2280**	40.0	2	04/23/25	04/24/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 12:02:06PM

BH11-30'

E504231-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Benzene	ND	0.0250	1	04/23/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/24/25	
Toluene	ND	0.0250	1	04/23/25	04/24/25	
o-Xylene	ND	0.0250	1	04/23/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/28/25	
Surrogate: n-Nonane		*98.7 %*	*61-141*	*04/23/25*	*04/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517072
Chloride	**2350**	40.0	2	04/23/25	04/24/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 12:02:06PM

BH11-35'

E504231-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Benzene	ND	0.0250	1	04/23/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/24/25	
Toluene	ND	0.0250	1	04/23/25	04/24/25	
o-Xylene	ND	0.0250	1	04/23/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/28/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*04/23/25*	*04/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517072
Chloride	**1770**	20.0	1	04/23/25	04/24/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 12:02:06PM

BH11-40'

E504231-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Benzene	ND	0.0250	1	04/23/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/24/25	
Toluene	ND	0.0250	1	04/23/25	04/24/25	
o-Xylene	ND	0.0250	1	04/23/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/28/25	
Surrogate: n-Nonane		*99.1 %*	*61-141*	*04/23/25*	*04/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517072
Chloride	**1500**	20.0	1	04/23/25	04/24/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 12:02:06PM

BH11-47.5'

E504231-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Benzene	ND	0.0250	1	04/23/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/23/25	04/24/25	
Toluene	ND	0.0250	1	04/23/25	04/24/25	
o-Xylene	ND	0.0250	1	04/23/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/23/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/23/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*04/23/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/25	04/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/25	04/28/25	
Surrogate: n-Nonane		*98.2 %*	*61-141*	*04/23/25*	*04/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517072
Chloride	**1210**	20.0	1	04/23/25	04/24/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 12:02:06PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517066-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.52*		*8.00*		*94.0*	*70-130*			
LCS (2517066-BS1)									Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	4.16	0.0250	5.00		83.2	70-130			
Ethylbenzene	4.13	0.0250	5.00		82.7	70-130			
Toluene	4.17	0.0250	5.00		83.5	70-130			
o-Xylene	4.13	0.0250	5.00		82.6	70-130			
p,m-Xylene	8.28	0.0500	10.0		82.8	70-130			
Total Xylenes	12.4	0.0250	15.0		82.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.2*	*70-130*			
Matrix Spike (2517066-MS1)				**Source: E504230-05**					Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	4.47	0.0250	5.00	ND	89.5	70-130			
Ethylbenzene	4.43	0.0250	5.00	ND	88.6	70-130			
Toluene	4.47	0.0250	5.00	ND	89.4	70-130			
o-Xylene	4.40	0.0250	5.00	ND	88.1	70-130			
p,m-Xylene	8.86	0.0500	10.0	ND	88.6	70-130			
Total Xylenes	13.3	0.0250	15.0	ND	88.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.1*	*70-130*			
Matrix Spike Dup (2517066-MSD1)				**Source: E504230-05**					Prepared: 04/23/25 Analyzed: 04/23/25
Benzene	3.97	0.0250	5.00	ND	79.5	70-130	11.8	27	
Ethylbenzene	3.95	0.0250	5.00	ND	78.9	70-130	11.6	26	
Toluene	3.97	0.0250	5.00	ND	79.5	70-130	11.8	20	
o-Xylene	3.92	0.0250	5.00	ND	78.4	70-130	11.7	25	
p,m-Xylene	7.90	0.0500	10.0	ND	79.0	70-130	11.5	23	
Total Xylenes	11.8	0.0250	15.0	ND	78.8	70-130	11.5	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.73*		*8.00*		*96.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 12:02:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517066-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.02*		*8.00*		*100*	*70-130*			
LCS (2517066-BS2)									Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.20*		*8.00*		*102*	*70-130*			
Matrix Spike (2517066-MS2)				**Source: E504230-05**					Prepared: 04/23/25 Analyzed: 04/23/25
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.16*		*8.00*		*102*	*70-130*			
Matrix Spike Dup (2517066-MSD2)				**Source: E504230-05**					Prepared: 04/23/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.5	70-130	11.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 12:02:06PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517062-BLK1)									Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*61-141*			
LCS (2517062-BS1)									Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	221	25.0	250		88.2	66-144			
Surrogate: n-Nonane	*49.1*		*50.0*		*98.1*	*61-141*			
Matrix Spike (2517062-MS1)				**Source: E504230-04**					Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	230	25.0	250	ND	91.9	56-156			
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*61-141*			
Matrix Spike Dup (2517062-MSD1)				**Source: E504230-04**					Prepared: 04/23/25 Analyzed: 04/23/25
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.8	56-156	2.32	20	
Surrogate: n-Nonane	*49.9*		*50.0*		*99.8*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/29/2025 12:02:06PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517072-BLK1)									Prepared: 04/23/25 Analyzed: 04/24/25
Chloride	ND	20.0							
LCS (2517072-BS1)									Prepared: 04/23/25 Analyzed: 04/24/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2517072-MS1)				**Source: E504228-04**					Prepared: 04/23/25 Analyzed: 04/24/25
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2517072-MSD1)				**Source: E504228-04**					Prepared: 04/23/25 Analyzed: 04/24/25
Chloride	255	20.0	250	ND	102	80-120	0.194	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/29/25 12:02

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E504231	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
0811	4/21/25	S	1	BH11 - 15'		1						X			
0855		S	1	BH11 CH ~~BH11~~ 20'		2						X			
0925		S	1	BH11 25'		~~4~~3						X			
1008		S	1	BH11 30'		~~5~~4						X			
1047		S	1	BH11 35'		~~6~~5						X			
1140		S	1	BH11-40'		~~7~~6						X			
1244		S	1	BH11 - 47.5'		~~8~~7						X			
						CM									

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/22/25	08:00		4.22.25	0800
Micaela Tafoya	4.22.25	1630		4.22.25	1700
	4.22.25	2400	Noe Sotelo	4.23.25	0800

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/23/2025 10:06:43AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	04/23/25 08:00	Work Order ID:	E504231
Phone:	(972) 371-5200	Date Logged In:	04/22/25 15:33	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/29/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature:		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Individual sample temperatures listed on COC

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E504236

Job Number: 23003-0002

Received: 4/24/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/30/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/30/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E504236
Date Received: 4/24/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/24/2025 7:15:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/30/25 08:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH11-57.5	E504236-01A	Soil	04/22/25	04/24/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:13:20AM

BH11-57.5

E504236-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517075
Benzene	ND	0.0250	1	04/24/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/24/25	
Toluene	ND	0.0250	1	04/24/25	04/24/25	
o-Xylene	ND	0.0250	1	04/24/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*04/24/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*04/24/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517077
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/26/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*04/24/25*	*04/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517091
Chloride	**830**	20.0	1	04/24/25	04/24/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:13:20AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517075-BLK1)									Prepared: 04/24/25 Analyzed: 04/24/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.73*		*8.00*		*96.7*	*70-130*			
LCS (2517075-BS1)									Prepared: 04/24/25 Analyzed: 04/24/25
Benzene	4.66	0.0250	5.00		93.2	70-130			
Ethylbenzene	4.62	0.0250	5.00		92.5	70-130			
Toluene	4.66	0.0250	5.00		93.2	70-130			
o-Xylene	4.63	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.25	0.0500	10.0		92.5	70-130			
Total Xylenes	13.9	0.0250	15.0		92.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.15*		*8.00*		*102*	*70-130*			
Matrix Spike (2517075-MS1)				**Source: E504237-02**					Prepared: 04/24/25 Analyzed: 04/24/25
Benzene	4.56	0.0250	5.00	ND	91.1	70-130			
Ethylbenzene	4.52	0.0250	5.00	ND	90.3	70-130			
Toluene	4.55	0.0250	5.00	ND	91.1	70-130			
o-Xylene	4.50	0.0250	5.00	ND	90.0	70-130			
p,m-Xylene	9.02	0.0500	10.0	ND	90.2	70-130			
Total Xylenes	13.5	0.0250	15.0	ND	90.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.03*		*8.00*		*100*	*70-130*			
Matrix Spike Dup (2517075-MSD1)				**Source: E504237-02**					Prepared: 04/24/25 Analyzed: 04/24/25
Benzene	4.39	0.0250	5.00	ND	87.8	70-130	3.74	27	
Ethylbenzene	4.38	0.0250	5.00	ND	87.5	70-130	3.14	26	
Toluene	4.40	0.0250	5.00	ND	87.9	70-130	3.51	20	
o-Xylene	4.36	0.0250	5.00	ND	87.2	70-130	3.15	25	
p,m-Xylene	8.75	0.0500	10.0	ND	87.5	70-130	3.09	23	
Total Xylenes	13.1	0.0250	15.0	ND	87.4	70-130	3.11	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.79*		*8.00*		*97.4*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:13:20AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517075-BLK1)									Prepared: 04/24/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.3*	*70-130*			
LCS (2517075-BS2)									Prepared: 04/24/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			
Matrix Spike (2517075-MS2)				**Source: E504237-02**					Prepared: 04/24/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	52.7	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			
Matrix Spike Dup (2517075-MSD2)				**Source: E504237-02**					Prepared: 04/24/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130	2.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:13:20AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517077-BLK1)									Prepared: 04/24/25 Analyzed: 04/25/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*59.8*		*50.0*		*120*	*61-141*			
LCS (2517077-BS1)									Prepared: 04/24/25 Analyzed: 04/25/25
Diesel Range Organics (C10-C28)	237	25.0	250		94.6	66-144			
Surrogate: n-Nonane	*46.2*		*50.0*		*92.5*	*61-141*			
Matrix Spike (2517077-MS1)				**Source: E504235-04**					Prepared: 04/24/25 Analyzed: 04/25/25
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.3	56-156			
Surrogate: n-Nonane	*47.6*		*50.0*		*95.1*	*61-141*			
Matrix Spike Dup (2517077-MSD1)				**Source: E504235-04**					Prepared: 04/24/25 Analyzed: 04/25/25
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156	3.80	20	
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:13:20AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517091-BLK1)									Prepared: 04/24/25 Analyzed: 04/24/25
Chloride	ND	20.0							
LCS (2517091-BS1)									Prepared: 04/24/25 Analyzed: 04/24/25
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2517091-MS1)				**Source: E504235-03**					Prepared: 04/24/25 Analyzed: 04/24/25
Chloride	860	20.0	250	620	96.2	80-120			
Matrix Spike Dup (2517091-MSD1)				**Source: E504235-03**					Prepared: 04/24/25 Analyzed: 04/24/25
Chloride	870	20.0	250	620	100	80-120	1.15	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/30/25 08:13

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E584236	1D 2D 3D Std	NM CO UT TX
Project: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003-0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1303	4/22/25	S	1	BH11 - 57.5		1						X						4.7

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/23/25	0800	Michelle Gonzales	4-23-25	0800
Michelle Gonzales	4-23-25	1540	Richard Gonzales	4-23-25	1540
Richard Gonzales	4-23-25	2200	Cantu Mar	4.24.25	715
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/24/2025 8:01:53AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	04/24/25 07:15	Work Order ID:	E504236
Phone:	(972) 371-5200	Date Logged In:	04/23/25 14:42	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/30/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature:		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Individual sample temperatures listed on COC.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E504239

Job Number: 23003-0002

Received: 4/24/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/30/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/30/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E504239
Date Received: 4/24/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/24/2025 7:15:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/30/25 08:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06-0'	E504239-01A	Soil	04/22/25	04/24/25	Glass Jar, 2 oz.
SS06-1'	E504239-02A	Soil	04/22/25	04/24/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:23:33AM

SS06-0'

E504239-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517075
Benzene	ND	0.0250	1	04/24/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/24/25	
Toluene	ND	0.0250	1	04/24/25	04/24/25	
o-Xylene	ND	0.0250	1	04/24/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.1 %*	*70-130*	*04/24/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*04/24/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517077
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/26/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*04/24/25*	*04/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517091
Chloride	**264**	20.0	1	04/24/25	04/24/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:23:33AM

SS06-1'

E504239-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517075
Benzene	ND	0.0250	1	04/24/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/24/25	
Toluene	ND	0.0250	1	04/24/25	04/24/25	
o-Xylene	ND	0.0250	1	04/24/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*04/24/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*04/24/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517077
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/26/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*04/24/25*	*04/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517091
Chloride	**90.2**	20.0	1	04/24/25	04/24/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:23:33AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517075-BLK1)									Prepared: 04/24/25 Analyzed: 04/24/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.73*		*8.00*		*96.7*	*70-130*			
LCS (2517075-BS1)									Prepared: 04/24/25 Analyzed: 04/24/25
Benzene	4.66	0.0250	5.00		93.2	70-130			
Ethylbenzene	4.62	0.0250	5.00		92.5	70-130			
Toluene	4.66	0.0250	5.00		93.2	70-130			
o-Xylene	4.63	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.25	0.0500	10.0		92.5	70-130			
Total Xylenes	13.9	0.0250	15.0		92.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.15*		*8.00*		*102*	*70-130*			
Matrix Spike (2517075-MS1)				**Source: E504237-02**					Prepared: 04/24/25 Analyzed: 04/24/25
Benzene	4.56	0.0250	5.00	ND	91.1	70-130			
Ethylbenzene	4.52	0.0250	5.00	ND	90.3	70-130			
Toluene	4.55	0.0250	5.00	ND	91.1	70-130			
o-Xylene	4.50	0.0250	5.00	ND	90.0	70-130			
p,m-Xylene	9.02	0.0500	10.0	ND	90.2	70-130			
Total Xylenes	13.5	0.0250	15.0	ND	90.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.03*		*8.00*		*100*	*70-130*			
Matrix Spike Dup (2517075-MSD1)				**Source: E504237-02**					Prepared: 04/24/25 Analyzed: 04/24/25
Benzene	4.39	0.0250	5.00	ND	87.8	70-130	3.74	27	
Ethylbenzene	4.38	0.0250	5.00	ND	87.5	70-130	3.14	26	
Toluene	4.40	0.0250	5.00	ND	87.9	70-130	3.51	20	
o-Xylene	4.36	0.0250	5.00	ND	87.2	70-130	3.15	25	
p,m-Xylene	8.75	0.0500	10.0	ND	87.5	70-130	3.09	23	
Total Xylenes	13.1	0.0250	15.0	ND	87.4	70-130	3.11	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.79*		*8.00*		*97.4*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:23:33AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517075-BLK1)									Prepared: 04/24/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.3*	*70-130*			
LCS (2517075-BS2)									Prepared: 04/24/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			
Matrix Spike (2517075-MS2)				**Source: E504237-02**					Prepared: 04/24/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	52.7	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			
Matrix Spike Dup (2517075-MSD2)				**Source: E504237-02**					Prepared: 04/24/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130	2.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:23:33AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517077-BLK1)									Prepared: 04/24/25 Analyzed: 04/25/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*59.8*		*50.0*		*120*	*61-141*			
LCS (2517077-BS1)									Prepared: 04/24/25 Analyzed: 04/25/25
Diesel Range Organics (C10-C28)	237	25.0	250		94.6	66-144			
Surrogate: n-Nonane	*46.2*		*50.0*		*92.5*	*61-141*			
Matrix Spike (2517077-MS1)				**Source: E504235-04**					Prepared: 04/24/25 Analyzed: 04/25/25
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.3	56-156			
Surrogate: n-Nonane	*47.6*		*50.0*		*95.1*	*61-141*			
Matrix Spike Dup (2517077-MSD1)				**Source: E504235-04**					Prepared: 04/24/25 Analyzed: 04/25/25
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156	3.80	20	
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:23:33AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517091-BLK1)									Prepared: 04/24/25 Analyzed: 04/24/25
Chloride	ND	20.0							
LCS (2517091-BS1)									Prepared: 04/24/25 Analyzed: 04/24/25
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2517091-MS1)				**Source: E504235-03**					Prepared: 04/24/25 Analyzed: 04/24/25
Chloride	860	20.0	250	620	96.2	80-120			
Matrix Spike Dup (2517091-MSD1)				**Source: E504235-03**					Prepared: 04/24/25 Analyzed: 04/24/25
Chloride	870	20.0	250	620	100	80-120	1.15	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/30/25 08:23

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E504239	1D 2D 3D Std	NM CO UT TX
Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1101	4/22/25	S	1	SS06-0'		1						X						4.4
1118	4/22/25	S	1	SS06-1'		2						X						4.8

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/23/25	0800	Michelle Gonzales	4.23.25	0800
Michelle Gonzales	4.23.25	1540	Richard Gonzales	4-23-25	1540
Richard Gonzales	4-23-25	2200	Cathy Ma	4.24.25	715

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C _____

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/24/2025 8:05:39AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	04/24/25 07:15	Work Order ID:	E504239
Phone:	(972) 371-5200	Date Logged In:	04/23/25 14:52	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/30/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature:		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Individual sample temperatures listed on COC.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E504240

Job Number: 23003-0002

Received: 4/24/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/30/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/30/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E504240
Date Received: 4/24/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/24/2025 7:15:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/30/25 08:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH12-40'	E504240-01A	Soil	04/22/25	04/24/25	Glass Jar, 2 oz.
BH12-50'	E504240-02A	Soil	04/22/25	04/24/25	Glass Jar, 2 oz.
BH12-57.5'	E504240-03A	Soil	04/22/25	04/24/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:25:34AM

BH12-40'

E504240-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517075
Benzene	ND	0.0250	1	04/24/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/24/25	
Toluene	ND	0.0250	1	04/24/25	04/24/25	
o-Xylene	ND	0.0250	1	04/24/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*04/24/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*04/24/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517077
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/26/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*04/24/25*	*04/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517091
Chloride	**3210**	40.0	2	04/24/25	04/24/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:25:34AM

BH12-50'

E504240-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517075
Benzene	ND	0.0250	1	04/24/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/24/25	
Toluene	ND	0.0250	1	04/24/25	04/24/25	
o-Xylene	ND	0.0250	1	04/24/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*04/24/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*04/24/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517077
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/26/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*04/24/25*	*04/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517091
Chloride	**1900**	20.0	1	04/24/25	04/24/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:25:34AM

BH12-57.5'

E504240-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2517075
Benzene	ND	0.0250	1	04/24/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/24/25	
Toluene	ND	0.0250	1	04/24/25	04/24/25	
o-Xylene	ND	0.0250	1	04/24/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*04/24/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2517075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*04/24/25*	*04/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2517077
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/26/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*04/24/25*	*04/26/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2517091
Chloride	**1680**	20.0	1	04/24/25	04/24/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:25:34AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517075-BLK1)									Prepared: 04/24/25 Analyzed: 04/24/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.73*		*8.00*		*96.7*	*70-130*			
LCS (2517075-BS1)									Prepared: 04/24/25 Analyzed: 04/24/25
Benzene	4.66	0.0250	5.00		93.2	70-130			
Ethylbenzene	4.62	0.0250	5.00		92.5	70-130			
Toluene	4.66	0.0250	5.00		93.2	70-130			
o-Xylene	4.63	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.25	0.0500	10.0		92.5	70-130			
Total Xylenes	13.9	0.0250	15.0		92.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.15*		*8.00*		*102*	*70-130*			
Matrix Spike (2517075-MS1)				**Source: E504237-02**					Prepared: 04/24/25 Analyzed: 04/24/25
Benzene	4.56	0.0250	5.00	ND	91.1	70-130			
Ethylbenzene	4.52	0.0250	5.00	ND	90.3	70-130			
Toluene	4.55	0.0250	5.00	ND	91.1	70-130			
o-Xylene	4.50	0.0250	5.00	ND	90.0	70-130			
p,m-Xylene	9.02	0.0500	10.0	ND	90.2	70-130			
Total Xylenes	13.5	0.0250	15.0	ND	90.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.03*		*8.00*		*100*	*70-130*			
Matrix Spike Dup (2517075-MSD1)				**Source: E504237-02**					Prepared: 04/24/25 Analyzed: 04/24/25
Benzene	4.39	0.0250	5.00	ND	87.8	70-130	3.74	27	
Ethylbenzene	4.38	0.0250	5.00	ND	87.5	70-130	3.14	26	
Toluene	4.40	0.0250	5.00	ND	87.9	70-130	3.51	20	
o-Xylene	4.36	0.0250	5.00	ND	87.2	70-130	3.15	25	
p,m-Xylene	8.75	0.0500	10.0	ND	87.5	70-130	3.09	23	
Total Xylenes	13.1	0.0250	15.0	ND	87.4	70-130	3.11	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.79*		*8.00*		*97.4*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:25:34AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517075-BLK1)									Prepared: 04/24/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.3*	*70-130*			
LCS (2517075-BS2)									Prepared: 04/24/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			
Matrix Spike (2517075-MS2)				**Source: E504237-02**					Prepared: 04/24/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	52.7	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			
Matrix Spike Dup (2517075-MSD2)				**Source: E504237-02**					Prepared: 04/24/25 Analyzed: 04/24/25
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130	2.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:25:34AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517077-BLK1)									Prepared: 04/24/25 Analyzed: 04/25/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*59.8*		*50.0*		*120*	*61-141*			
LCS (2517077-BS1)									Prepared: 04/24/25 Analyzed: 04/25/25
Diesel Range Organics (C10-C28)	237	25.0	250		94.6	66-144			
Surrogate: n-Nonane	*46.2*		*50.0*		*92.5*	*61-141*			
Matrix Spike (2517077-MS1)				**Source: E504235-04**					Prepared: 04/24/25 Analyzed: 04/25/25
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.3	56-156			
Surrogate: n-Nonane	*47.6*		*50.0*		*95.1*	*61-141*			
Matrix Spike Dup (2517077-MSD1)				**Source: E504235-04**					Prepared: 04/24/25 Analyzed: 04/25/25
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156	3.80	20	
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:25:34AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2517091-BLK1)									Prepared: 04/24/25 Analyzed: 04/24/25
Chloride	ND	20.0							
LCS (2517091-BS1)									Prepared: 04/24/25 Analyzed: 04/24/25
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2517091-MS1)				**Source: E504235-03**					Prepared: 04/24/25 Analyzed: 04/24/25
Chloride	860	20.0	250	620	96.2	80-120			
Matrix Spike Dup (2517091-MSD1)				**Source: E504235-03**					Prepared: 04/24/25 Analyzed: 04/24/25
Chloride	870	20.0	250	620	100	80-120	1.15	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/30/25 08:25

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo Shinnery Oak SWD #001	Company: Ensolum LLC	Lab WO# E304240	1D 2D 3D Std	NM CO UT TX
Project Manager: Ashley Giovengo	Address: 3122 National Parks Hwy	Job Number 23103-0002		X
Address: 3122 National Parks Hwy	City, State, Zip: Carlsbad NM, 88220		X	
City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055			
Phone: 575-988-0055	Email: agiovengo@ensolum.com			
Email: agiovengo@ensolum.com	Miscellaneous:			

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0934	4/22/25	S	1	BH12-40'		1						X						5.1
1020	4/22/25	S	1	BH12-50'		2						X						5.3
1145	4/22/25	S	1	BH12-57.5'		3						X						4.3

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/23/25	0800	Michelle Gonzales	4-23-25	0800
Michelle Gonzales	4.23.25	1540	Richard Gonzales	4-23-25	1540
Richard Gonzales	4-23-25	2200	Caleb Mar	4.24.25	715
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/24/2025 8:06:27AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	04/24/25 07:15	Work Order ID:	E504240
Phone:	(972) 371-5200	Date Logged In:	04/23/25 14:55	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/30/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature:		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filtration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Individual sample temperatures listed on COC.

Client Instruction

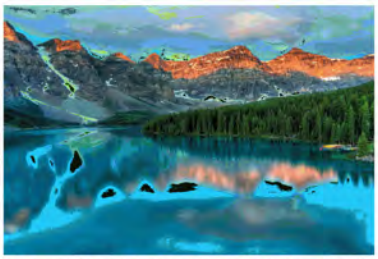
Signature of client authorizing changes to the COC or sample disposition.

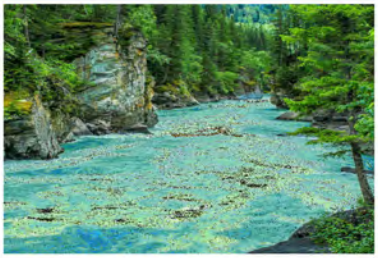
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E507347

Job Number: 23003-0002

Received: 7/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/6/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/6/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E507347
Date Received: 7/31/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/31/2025 8:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/06/25 15:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS09-0'	E507347-01A	Soil	07/29/25	07/31/25	Glass Jar, 2 oz.
SS09-1'	E507347-02A	Soil	07/29/25	07/31/25	Glass Jar, 2 oz.
SS11-0'	E507347-03A	Soil	07/29/25	07/31/25	Glass Jar, 2 oz.
SS11-1'	E507347-04A	Soil	07/29/25	07/31/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2025 3:17:25PM

SS09-0'

E507347-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2531145
Benzene	ND	0.0250	1	07/31/25	08/04/25	
Ethylbenzene	ND	0.0250	1	07/31/25	08/04/25	
Toluene	ND	0.0250	1	07/31/25	08/04/25	
o-Xylene	ND	0.0250	1	07/31/25	08/04/25	
p,m-Xylene	ND	0.0500	1	07/31/25	08/04/25	
Total Xylenes	ND	0.0250	1	07/31/25	08/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.1 %*	*70-130*	*07/31/25*	*08/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2531145
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/25	08/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*07/31/25*	*08/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2531177
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
Surrogate: n-Nonane		*96.4 %*	*61-141*	*08/01/25*	*08/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531159
Chloride	**129**	20.0	1	08/01/25	08/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2025 3:17:25PM

SS09-1'

E507347-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2531145
Benzene	ND	0.0250	1	07/31/25	08/04/25	
Ethylbenzene	ND	0.0250	1	07/31/25	08/04/25	
Toluene	ND	0.0250	1	07/31/25	08/04/25	
o-Xylene	ND	0.0250	1	07/31/25	08/04/25	
p,m-Xylene	ND	0.0500	1	07/31/25	08/04/25	
Total Xylenes	ND	0.0250	1	07/31/25	08/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.3 %*	*70-130*	*07/31/25*	*08/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2531145
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/25	08/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*07/31/25*	*08/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2531177
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
Surrogate: n-Nonane		*93.4 %*	*61-141*	*08/01/25*	*08/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531159
Chloride	**208**	20.0	1	08/01/25	08/02/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2025 3:17:25PM

SS11-0'

E507347-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2531145
Benzene	ND	0.0250	1	07/31/25	08/04/25	
Ethylbenzene	ND	0.0250	1	07/31/25	08/04/25	
Toluene	ND	0.0250	1	07/31/25	08/04/25	
o-Xylene	ND	0.0250	1	07/31/25	08/04/25	
p,m-Xylene	ND	0.0500	1	07/31/25	08/04/25	
Total Xylenes	ND	0.0250	1	07/31/25	08/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.3 %*	*70-130*	*07/31/25*	*08/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2531145
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/25	08/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*07/31/25*	*08/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2531177
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
Surrogate: n-Nonane		*93.9 %*	*61-141*	*08/01/25*	*08/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531159
Chloride	**60.8**	20.0	1	08/01/25	08/02/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2025 3:17:25PM

SS11-1'

E507347-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2531145
Benzene	ND	0.0250	1	07/31/25	08/04/25	
Ethylbenzene	ND	0.0250	1	07/31/25	08/04/25	
Toluene	ND	0.0250	1	07/31/25	08/04/25	
o-Xylene	ND	0.0250	1	07/31/25	08/04/25	
p,m-Xylene	ND	0.0500	1	07/31/25	08/04/25	
Total Xylenes	ND	0.0250	1	07/31/25	08/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.3 %*	*70-130*	*07/31/25*	*08/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2531145
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/25	08/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*07/31/25*	*08/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2531177
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
Surrogate: n-Nonane		*82.6 %*	*61-141*	*08/01/25*	*08/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2531159
Chloride	**253**	20.0	1	08/01/25	08/02/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2025 3:17:25PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531145-BLK1)									Prepared: 07/31/25 Analyzed: 08/04/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.91*		*8.00*		*86.4*	*70-130*			
LCS (2531145-BS1)									Prepared: 07/31/25 Analyzed: 08/04/25
Benzene	5.35	0.0250	5.00		107	70-130			
Ethylbenzene	5.25	0.0250	5.00		105	70-130			
Toluene	5.33	0.0250	5.00		107	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.14*		*8.00*		*89.2*	*70-130*			
Matrix Spike (2531145-MS1)				**Source: E507347-04**					Prepared: 07/31/25 Analyzed: 08/05/25
Benzene	4.37	0.0250	5.00	ND	87.4	70-130			
Ethylbenzene	4.42	0.0250	5.00	ND	88.5	70-130			
Toluene	4.45	0.0250	5.00	ND	89.0	70-130			
o-Xylene	4.49	0.0250	5.00	ND	89.9	70-130			
p,m-Xylene	8.97	0.0500	10.0	ND	89.7	70-130			
Total Xylenes	13.5	0.0250	15.0	ND	89.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.84*		*8.00*		*85.5*	*70-130*			
Matrix Spike Dup (2531145-MSD1)				**Source: E507347-04**					Prepared: 07/31/25 Analyzed: 08/05/25
Benzene	4.51	0.0250	5.00	ND	90.1	70-130	3.12	27	
Ethylbenzene	4.55	0.0250	5.00	ND	91.0	70-130	2.80	26	
Toluene	4.59	0.0250	5.00	ND	91.8	70-130	3.08	20	
o-Xylene	4.64	0.0250	5.00	ND	92.8	70-130	3.19	25	
p,m-Xylene	9.26	0.0500	10.0	ND	92.6	70-130	3.16	23	
Total Xylenes	13.9	0.0250	15.0	ND	92.7	70-130	3.17	26	
Surrogate: 4-Bromochlorobenzene-PID	*6.80*		*8.00*		*85.0*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2025 3:17:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531145-BLK1)									Prepared: 07/31/25 Analyzed: 08/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.4*	*70-130*			
LCS (2531145-BS2)									Prepared: 07/31/25 Analyzed: 08/04/25
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.5*	*70-130*			
Matrix Spike (2531145-MS2)				**Source: E507347-04**					Prepared: 07/31/25 Analyzed: 08/04/25
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.3*	*70-130*			
Matrix Spike Dup (2531145-MSD2)				**Source: E507347-04**					Prepared: 07/31/25 Analyzed: 08/05/25
Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130	2.81	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.47*		*8.00*		*93.4*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2025 3:17:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531177-BLK1)									Prepared: 08/01/25 Analyzed: 08/04/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.6*		*50.0*		*87.1*	*61-141*			
LCS (2531177-BS1)									Prepared: 08/01/25 Analyzed: 08/04/25
Diesel Range Organics (C10-C28)	229	25.0	250		91.7	66-144			
Surrogate: n-Nonane	*44.5*		*50.0*		*89.1*	*61-141*			
Matrix Spike (2531177-MS1)				**Source: E507347-02**					Prepared: 08/01/25 Analyzed: 08/04/25
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.2	56-156			
Surrogate: n-Nonane	*46.1*		*50.0*		*92.2*	*61-141*			
Matrix Spike Dup (2531177-MSD1)				**Source: E507347-02**					Prepared: 08/01/25 Analyzed: 08/04/25
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.4	56-156	2.34	20	
Surrogate: n-Nonane	*47.9*		*50.0*		*95.8*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2025 3:17:25PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2531159-BLK1)									Prepared: 08/01/25 Analyzed: 08/01/25
Chloride	ND	20.0							
LCS (2531159-BS1)									Prepared: 08/01/25 Analyzed: 08/01/25
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2531159-MS1)				**Source: E507339-02**					Prepared: 08/01/25 Analyzed: 08/01/25
Chloride	356	20.0	250	101	102	80-120			
Matrix Spike Dup (2531159-MSD1)				**Source: E507339-02**					Prepared: 08/01/25 Analyzed: 08/01/25
Chloride	408	20.0	250	101	123	80-120	13.4	20	M1

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/06/25 15:17

M1	Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E501347	Job Number 23C08-0007	1D 2D 3D Std: x	NM: x CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1000	7/29/2025	Soil	1	SS09-0'		1									X			4.2	
1002	↓	↓	↓	SS09-1'		2									X			3.8	
0831				SS11-0'		3									X			3.7	
0852				SS11-1'		4									X			3.5	

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, jmccauley@ensolum.com, gsanchez@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	7/30/2025	7:00	Michelle Gonzales	7.30.25	0700
Michelle Gonzales	7.30.25	1430	Marissa Gonzales	7.3025	1430
Marissa Gonzales	7.3025	1903	[signature]	7.30.25	1903
[signature]	7.30.25	2300	Caitlin Mars	7.31.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 7/31/2025 11:01:39AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	07/31/25 08:00	Work Order ID:	E507347
Phone:	(972) 371-5200	Date Logged In:	07/30/25 14:50	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	08/06/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

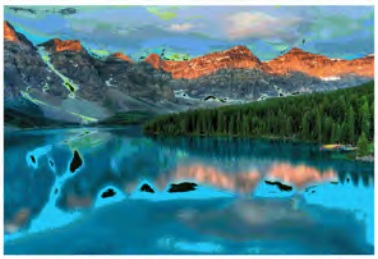
Signature of client authorizing changes to the COC or sample disposition.

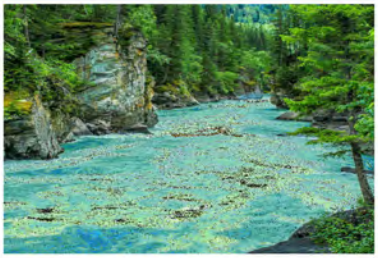
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509088
Job Number:	23003-0002
Received:	9/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/16/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/16/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509088
Date Received: 9/10/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 09:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01A-0'	E509088-01A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
SS01A-1'	E509088-02A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
SS02A-0'	E509088-03A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
SS02A-1'	E509088-04A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
SS12-0'	E509088-05A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
SS12-1'	E509088-06A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:15:28AM

SS01A-0'

E509088-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537080
Diesel Range Organics (C10-C28)	**162**	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	**246**	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*97.5 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537075
Chloride	**1760**	40.0	2	09/10/25	09/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:15:28AM

SS01A-1'

E509088-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.8 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.9 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*95.2 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537075
Chloride	**1070**	20.0	1	09/10/25	09/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:15:28AM

SS02A-0'

E509088-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*96.4 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537075
Chloride	**2290**	40.0	2	09/10/25	09/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:15:28AM

SS02A-1'

E509088-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.0 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*93.6 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537075
Chloride	**544**	20.0	1	09/10/25	09/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:15:28AM

SS12-0'

E509088-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Benzene	ND	0.0250	1	09/10/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/11/25	
Toluene	ND	0.0250	1	09/10/25	09/11/25	
o-Xylene	ND	0.0250	1	09/10/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537080
Diesel Range Organics (C10-C28)	**63.4**	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	**70.6**	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*95.3 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537075
Chloride	**371**	20.0	1	09/10/25	09/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:15:28AM

SS12-1'

E509088-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Benzene	**0.0323**	0.0250	1	09/10/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/11/25	
Toluene	ND	0.0250	1	09/10/25	09/11/25	
o-Xylene	ND	0.0250	1	09/10/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537080
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*96.8 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537075
Chloride	**553**	20.0	1	09/10/25	09/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:15:28AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537069-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.2*	*70-130*			
LCS (2537069-BS1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.7	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	4.99	0.0250	5.00		99.7	70-130			
p,m-Xylene	9.97	0.0500	10.0		99.7	70-130			
Total Xylenes	15.0	0.0250	15.0		99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike (2537069-MS1)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	5.23	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130			
Toluene	5.18	0.0250	5.00	ND	104	70-130			
o-Xylene	5.14	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.39*		*8.00*		*92.4*	*70-130*			
Matrix Spike Dup (2537069-MSD1)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	4.98	0.0250	5.00	ND	99.6	70-130	4.86	27	
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	70-130	4.60	26	
Toluene	4.96	0.0250	5.00	ND	99.1	70-130	4.51	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	70-130	4.19	25	
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	70-130	4.52	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130	4.41	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:15:28AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537069-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.9*	*70-130*			
LCS (2537069-BS2)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike (2537069-MS2)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.9*	*70-130*			
Matrix Spike Dup (2537069-MSD2)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130	3.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:15:28AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537080-BLK1)									Prepared: 09/10/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.2*		*50.0*		*98.5*	*61-141*			
LCS (2537080-BS1)									Prepared: 09/10/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	237	25.0	250		94.9	66-144			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.6*	*61-141*			
Matrix Spike (2537080-MS1)				**Source: E509088-04**					Prepared: 09/10/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.5	56-156			
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*61-141*			
Matrix Spike Dup (2537080-MSD1)				**Source: E509088-04**					Prepared: 09/10/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.2	56-156	1.32	20	
Surrogate: n-Nonane	*48.7*		*50.0*		*97.4*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:15:28AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537075-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	ND	20.0							
LCS (2537075-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2537075-MS1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4470	40.0	250	3550	368	80-120			M4
Matrix Spike Dup (2537075-MSD1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4050	40.0	250	3550	201	80-120	9.77	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 09:15

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509088	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23103.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1125	9/8/2025	S	1	SS01A - 0'		1									X			2.9	
1354	9/8/2025	S	1	SS01A - 1'		2									X			2.7	
1123	9/8/2025	S	1	SS02A - 0'		3									X			2.2	
1347	9/8/2025	S	1	SS02A - 1'		4									X			2.2	
952	9/8/2025	S	1	SS12 - 0'		5									X			2.4	
1340	9/8/2025	S	1	SS12 - 1'		6									X			2.0	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9.9.25	1200	Michelle Gonzales	9-9-25	1200
Michelle Gonzales	9.9.25	1500	Marissa Gonzales	9-9-25	1500
Marissa Gonzales	9-9-25	1930	Andrew Musso	9.9.25	1930
Andrew Musso	9.9.25	2400		9.10.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: (Y) N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/10/2025 10:03:39AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/10/25 07:30	Work Order ID:	E509088
Phone:	(972) 371-5200	Date Logged In:	09/09/25 15:33	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/16/25 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

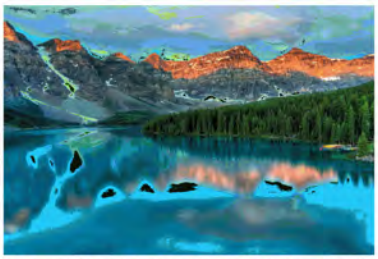
Signature of client authorizing changes to the COC or sample disposition.

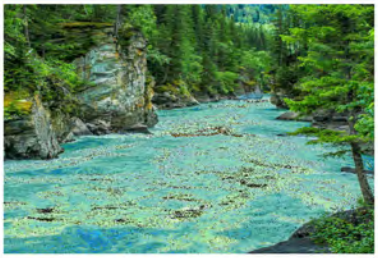
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E510159

Job Number: 23003-0002

Received: 10/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/22/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E510159
Date Received: 10/16/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/16/2025 8:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 08:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01B-0'	E510159-01A	Soil	10/14/25	10/16/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 8:59:44AM

SS01B-0'

E510159-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Benzene	ND	0.0250	1	10/16/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/16/25	10/17/25	
Toluene	ND	0.0250	1	10/16/25	10/17/25	
o-Xylene	ND	0.0250	1	10/16/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/16/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/16/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*117 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2542086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/17/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*10/16/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2542099
Chloride	**1540**	20.0	1	10/16/25	10/16/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 8:59:44AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542093-BLK1)									Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*9.02*		*8.00*		*113*	*70-130*			
LCS (2542093-BS1)									Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.21	0.0250	5.00		104	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
o-Xylene	5.31	0.0250	5.00		106	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.23*		*8.00*		*115*	*70-130*			
Matrix Spike (2542093-MS1)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	4.81	0.0250	5.00	ND	96.3	70-130			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	70-130			
Toluene	4.78	0.0250	5.00	ND	95.6	70-130			
o-Xylene	4.88	0.0250	5.00	ND	97.7	70-130			
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	70-130			
Total Xylenes	14.6	0.0250	15.0	ND	97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.31*		*8.00*		*116*	*70-130*			
Matrix Spike Dup (2542093-MSD1)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	4.85	0.0250	5.00	ND	97.0	70-130	0.703	27	
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	70-130	1.18	26	
Toluene	4.82	0.0250	5.00	ND	96.4	70-130	0.869	20	
o-Xylene	4.94	0.0250	5.00	ND	98.7	70-130	1.06	25	
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	70-130	1.23	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	70-130	1.17	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.28*		*8.00*		*116*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 8:59:44AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542093-BLK1)									Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2542093-BS2)									Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike (2542093-MS2)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	59.7	20.0	50.0	ND	119	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.3*	*70-130*			
Matrix Spike Dup (2542093-MSD2)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	59.1	20.0	50.0	ND	118	70-130	1.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.34*		*8.00*		*91.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 8:59:44AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542086-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.8*		*50.0*		*97.7*	*61-141*			
LCS (2542086-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.6*	*61-141*			
Matrix Spike (2542086-MS1)				**Source: E510154-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	*55.7*		*50.0*		*111*	*61-141*			
Matrix Spike Dup (2542086-MSD1)				**Source: E510154-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	56-156	0.220	20	
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 8:59:44AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542099-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	ND	20.0							
LCS (2542099-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2542099-MS1)				**Source: E510150-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	358	20.0	250	110	99.4	80-120			
Matrix Spike Dup (2542099-MSD1)				**Source: E510150-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	356	20.0	250	110	98.4	80-120	0.719	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 08:59

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E510159	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003:0002	x	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1303	10/14/2025	S	1	SS01B-0'		1									X			5.0	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10-15-25	0711	Michelle Gonzales	10-15-25	0711
Michelle Gonzales	10-15-25	1430	Mariana Gonzales	10-15-25	1430
Mariana Gonzales	10-15-25	1915	Andrew Musso	10-15-25	1915
Andrew Musso	10-15-25	2345	Caitlin Mar	10.16.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 10/16/2025 10:01:25AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	10/16/25 08:00	Work Order ID:	E510159
Phone:	(972) 371-5200	Date Logged In:	10/15/25 14:50	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

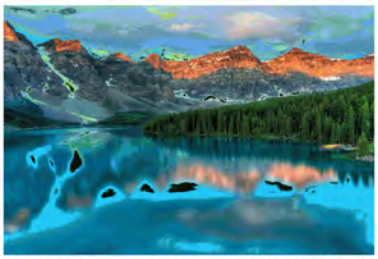
Signature of client authorizing changes to the COC or sample disposition.

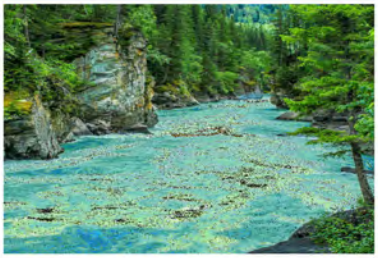
Date

envirotech Inc.

Report to:

Ashley Giovengo





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Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

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Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E510160

Job Number: 23003-0002

Received: 10/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/22/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E510160
Date Received: 10/16/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/16/2025 8:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 09:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01C-0'	E510160-01A	Soil	10/14/25	10/16/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:01:25AM

SS01C-0'

E510160-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Benzene	ND	0.0250	1	10/16/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/16/25	10/17/25	
Toluene	ND	0.0250	1	10/16/25	10/17/25	
o-Xylene	ND	0.0250	1	10/16/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/16/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/16/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*118 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2542086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/17/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*10/16/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2542099
Chloride	**1910**	40.0	2	10/16/25	10/17/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:01:25AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542093-BLK1)									Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*9.02*		*8.00*		*113*	*70-130*			
LCS (2542093-BS1)									Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.21	0.0250	5.00		104	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
o-Xylene	5.31	0.0250	5.00		106	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.23*		*8.00*		*115*	*70-130*			
Matrix Spike (2542093-MS1)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	4.81	0.0250	5.00	ND	96.3	70-130			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	70-130			
Toluene	4.78	0.0250	5.00	ND	95.6	70-130			
o-Xylene	4.88	0.0250	5.00	ND	97.7	70-130			
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	70-130			
Total Xylenes	14.6	0.0250	15.0	ND	97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.31*		*8.00*		*116*	*70-130*			
Matrix Spike Dup (2542093-MSD1)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	4.85	0.0250	5.00	ND	97.0	70-130	0.703	27	
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	70-130	1.18	26	
Toluene	4.82	0.0250	5.00	ND	96.4	70-130	0.869	20	
o-Xylene	4.94	0.0250	5.00	ND	98.7	70-130	1.06	25	
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	70-130	1.23	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	70-130	1.17	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.28*		*8.00*		*116*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:01:25AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542093-BLK1)									Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2542093-BS2)									Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike (2542093-MS2)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	59.7	20.0	50.0	ND	119	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.3*	*70-130*			
Matrix Spike Dup (2542093-MSD2)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	59.1	20.0	50.0	ND	118	70-130	1.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.34*		*8.00*		*91.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:01:25AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542086-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.8*		*50.0*		*97.7*	*61-141*			
LCS (2542086-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.6*	*61-141*			
Matrix Spike (2542086-MS1)				**Source: E510154-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	*55.7*		*50.0*		*111*	*61-141*			
Matrix Spike Dup (2542086-MSD1)				**Source: E510154-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	56-156	0.220	20	
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:01:25AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542099-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	ND	20.0							
LCS (2542099-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2542099-MS1)				**Source: E510150-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	358	20.0	250	110	99.4	80-120			
Matrix Spike Dup (2542099-MSD1)				**Source: E510150-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	356	20.0	250	110	98.4	80-120	0.719	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 09:01

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E5101100	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003-0002	x	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1301	10/14/2025	S	1	SS01C-0'		1									X			4.6	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10-15-25	0711	Michelle Gonzales	10-15-25	0711
Michelle Gonzales	10-15-25	1430	Marissa Gonzales	10-15-25	1430
Marissa Gonzales	10-15-25	1915	Andrew Musso	10-15-25	1915
Andrew Musso	10.15.25	2345	Caitlin Mac	10.16.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 10/16/2025 10:03:21AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	10/16/25 08:00	Work Order ID:	E510160
Phone:	(972) 371-5200	Date Logged In:	10/15/25 14:55	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

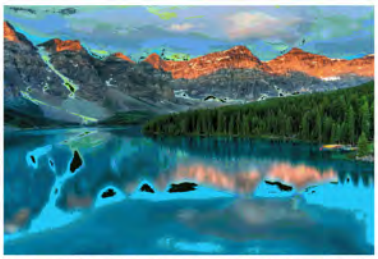
Signature of client authorizing changes to the COC or sample disposition.

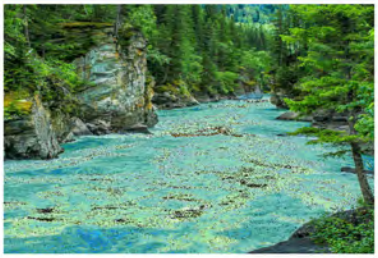
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

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Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name:	Shinnery Oak SWD #001
Work Order:	E510161
Job Number:	23003-0002
Received:	10/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/22/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E510161
Date Received: 10/16/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/16/2025 8:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 09:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06A-0'	E510161-01A	Soil	10/14/25	10/16/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:10:10AM

SS06A-0'

E510161-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Benzene	ND	0.0250	1	10/16/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/16/25	10/17/25	
Toluene	ND	0.0250	1	10/16/25	10/17/25	
o-Xylene	ND	0.0250	1	10/16/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/16/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/16/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*117 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2542086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*10/16/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2542099
Chloride	**1730**	20.0	1	10/16/25	10/17/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:10:10AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542093-BLK1)									Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*9.02*		*8.00*		*113*	*70-130*			
LCS (2542093-BS1)									Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.21	0.0250	5.00		104	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
o-Xylene	5.31	0.0250	5.00		106	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.23*		*8.00*		*115*	*70-130*			
Matrix Spike (2542093-MS1)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	4.81	0.0250	5.00	ND	96.3	70-130			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	70-130			
Toluene	4.78	0.0250	5.00	ND	95.6	70-130			
o-Xylene	4.88	0.0250	5.00	ND	97.7	70-130			
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	70-130			
Total Xylenes	14.6	0.0250	15.0	ND	97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.31*		*8.00*		*116*	*70-130*			
Matrix Spike Dup (2542093-MSD1)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	4.85	0.0250	5.00	ND	97.0	70-130	0.703	27	
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	70-130	1.18	26	
Toluene	4.82	0.0250	5.00	ND	96.4	70-130	0.869	20	
o-Xylene	4.94	0.0250	5.00	ND	98.7	70-130	1.06	25	
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	70-130	1.23	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	70-130	1.17	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.28*		*8.00*		*116*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:10:10AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542093-BLK1)									Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2542093-BS2)									Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike (2542093-MS2)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	59.7	20.0	50.0	ND	119	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.3*	*70-130*			
Matrix Spike Dup (2542093-MSD2)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	59.1	20.0	50.0	ND	118	70-130	1.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.34*		*8.00*		*91.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:10:10AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542086-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.8*		*50.0*		*97.7*	*61-141*			
LCS (2542086-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.6*	*61-141*			
Matrix Spike (2542086-MS1)				**Source: E510154-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	*55.7*		*50.0*		*111*	*61-141*			
Matrix Spike Dup (2542086-MSD1)				**Source: E510154-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	56-156	0.220	20	
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:10:10AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542099-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	ND	20.0							
LCS (2542099-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2542099-MS1)				**Source: E510150-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	358	20.0	250	110	99.4	80-120			
Matrix Spike Dup (2542099-MSD1)				**Source: E510150-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	356	20.0	250	110	98.4	80-120	0.719	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 09:10

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E510161	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003.0002	x	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1238	10/14/2025	S	1	SS06A-0'		1									X			4.1	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10-15-25	0711	Michelle Gonzales	10-15-25	0711
Michelle Gonzales	10-15-25	1430	Marissa Gonzales	10-15-25	1430
Marissa Gonzales	10-15-25	1915	Andrew Musso	10.15.25	1915
Andrew Musso	10.15.25	2345	Cath Mar	10.16.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 10/16/2025 10:06:04AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	10/16/25 08:00	Work Order ID:	E510161
Phone:	(972) 371-5200	Date Logged In:	10/15/25 14:56	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

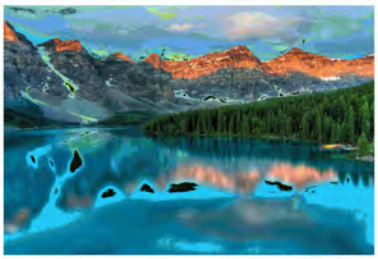
Signature of client authorizing changes to the COC or sample disposition.

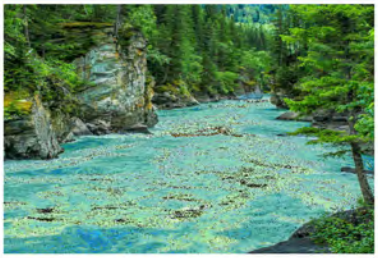
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E510162

Job Number: 23003-0002

Received: 10/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/22/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E510162
Date Received: 10/16/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/16/2025 8:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 8

QC - Anions by EPA 300.0/9056A 9

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Chain of Custody etc. 11

Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 09:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06B-0'	E510162-01A	Soil	10/14/25	10/16/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:16:57AM

SS06B-0'

E510162-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Benzene	ND	0.0250	1	10/16/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/16/25	10/17/25	
Toluene	ND	0.0250	1	10/16/25	10/17/25	
o-Xylene	ND	0.0250	1	10/16/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/16/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/16/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*117 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2542086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/17/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*10/16/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2542099
Chloride	**1720**	20.0	1	10/16/25	10/17/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:16:57AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542093-BLK1)									Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*9.02*		*8.00*		*113*	*70-130*			
LCS (2542093-BS1)									Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.21	0.0250	5.00		104	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
o-Xylene	5.31	0.0250	5.00		106	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.23*		*8.00*		*115*	*70-130*			
Matrix Spike (2542093-MS1)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	4.81	0.0250	5.00	ND	96.3	70-130			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	70-130			
Toluene	4.78	0.0250	5.00	ND	95.6	70-130			
o-Xylene	4.88	0.0250	5.00	ND	97.7	70-130			
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	70-130			
Total Xylenes	14.6	0.0250	15.0	ND	97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.31*		*8.00*		*116*	*70-130*			
Matrix Spike Dup (2542093-MSD1)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	4.85	0.0250	5.00	ND	97.0	70-130	0.703	27	
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	70-130	1.18	26	
Toluene	4.82	0.0250	5.00	ND	96.4	70-130	0.869	20	
o-Xylene	4.94	0.0250	5.00	ND	98.7	70-130	1.06	25	
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	70-130	1.23	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	70-130	1.17	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.28*		*8.00*		*116*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:16:57AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542093-BLK1)									Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2542093-BS2)									Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike (2542093-MS2)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	59.7	20.0	50.0	ND	119	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.3*	*70-130*			
Matrix Spike Dup (2542093-MSD2)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	59.1	20.0	50.0	ND	118	70-130	1.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.34*		*8.00*		*91.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:16:57AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542086-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.8*		*50.0*		*97.7*	*61-141*			
LCS (2542086-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.6*	*61-141*			
Matrix Spike (2542086-MS1)				**Source: E510154-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	*55.7*		*50.0*		*111*	*61-141*			
Matrix Spike Dup (2542086-MSD1)				**Source: E510154-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	56-156	0.220	20	
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:16:57AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542099-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	ND	20.0							
LCS (2542099-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2542099-MS1)				**Source: E510150-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	358	20.0	250	110	99.4	80-120			
Matrix Spike Dup (2542099-MSD1)				**Source: E510150-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	356	20.0	250	110	98.4	80-120	0.719	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 09:16

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E510102	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23013.0007	x	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1309	10/14/2025	S	1	SS06B-0'		1									X			5.0	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10-15-25	0711	Michelle Gonzales	10-15-25	0711
Michelle Gonzales	10-15-25	1430	Marissa Gonzales	10-15-25	1430
Marissa Gonzales	10-15-25	1915	Andrew Musso	10-15-25	1915
Andrew Musso	10-15-25	2345	Caitlin Mar	10-16-25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: Y / N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 10/16/2025 10:11:35AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	10/16/25 08:00	Work Order ID:	E510162
Phone:	(972) 371-5200	Date Logged In:	10/15/25 14:58	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

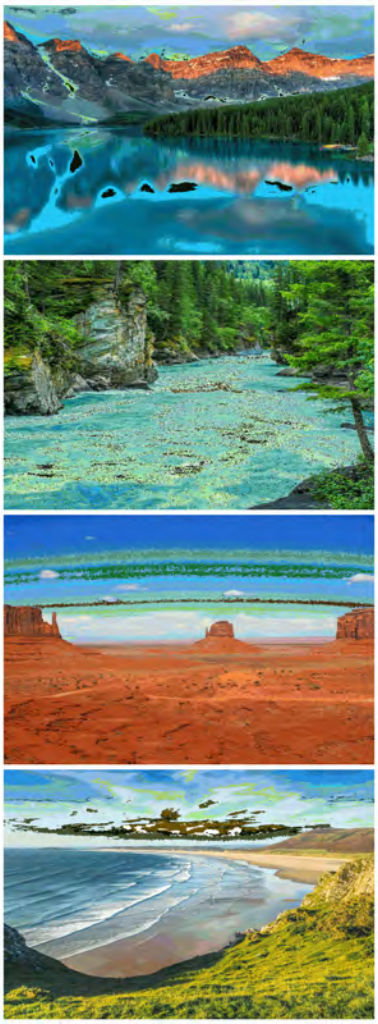
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E510163

Job Number: 23003-0002

Received: 10/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/22/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E510163
Date Received: 10/16/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/16/2025 8:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 09:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06C-0'	E510163-01A	Soil	10/14/25	10/16/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:18:36AM

SS06C-0'

E510163-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Benzene	ND	0.0250	1	10/16/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/16/25	10/17/25	
Toluene	ND	0.0250	1	10/16/25	10/17/25	
o-Xylene	ND	0.0250	1	10/16/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/16/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/16/25	10/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*117 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2542093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/25	10/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2542089
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/17/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*10/16/25*	*10/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2542099
Chloride	**717**	20.0	1	10/16/25	10/17/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:18:36AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542093-BLK1)									Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*9.02*		*8.00*		*113*	*70-130*			
LCS (2542093-BS1)									Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.21	0.0250	5.00		104	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
o-Xylene	5.31	0.0250	5.00		106	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.23*		*8.00*		*115*	*70-130*			
Matrix Spike (2542093-MS1)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	4.81	0.0250	5.00	ND	96.3	70-130			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	70-130			
Toluene	4.78	0.0250	5.00	ND	95.6	70-130			
o-Xylene	4.88	0.0250	5.00	ND	97.7	70-130			
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	70-130			
Total Xylenes	14.6	0.0250	15.0	ND	97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.31*		*8.00*		*116*	*70-130*			
Matrix Spike Dup (2542093-MSD1)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Benzene	4.85	0.0250	5.00	ND	97.0	70-130	0.703	27	
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	70-130	1.18	26	
Toluene	4.82	0.0250	5.00	ND	96.4	70-130	0.869	20	
o-Xylene	4.94	0.0250	5.00	ND	98.7	70-130	1.06	25	
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	70-130	1.23	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	70-130	1.17	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.28*		*8.00*		*116*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:18:36AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542093-BLK1)									Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2542093-BS2)									Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike (2542093-MS2)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	59.7	20.0	50.0	ND	119	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.3*	*70-130*			
Matrix Spike Dup (2542093-MSD2)				**Source: E510161-01**					Prepared: 10/16/25 Analyzed: 10/17/25
Gasoline Range Organics (C6-C10)	59.1	20.0	50.0	ND	118	70-130	1.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.34*		*8.00*		*91.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:18:36AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542089-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*61-141*			
LCS (2542089-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	278	25.0	250		111	66-144			
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*61-141*			
Matrix Spike (2542089-MS1)				**Source: E510156-26**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	304	25.0	250	ND	122	56-156			
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*61-141*			
Matrix Spike Dup (2542089-MSD1)				**Source: E510156-26**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	306	25.0	250	ND	122	56-156	0.558	20	
Surrogate: n-Nonane	*55.6*		*50.0*		*111*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 9:18:36AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542099-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	ND	20.0							
LCS (2542099-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2542099-MS1)				**Source: E510150-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	358	20.0	250	110	99.4	80-120			
Matrix Spike Dup (2542099-MSD1)				**Source: E510150-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	356	20.0	250	110	98.4	80-120	0.719	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 09:18

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E510163	Job Number 03C03.0002	1D 2D 3D Std: x	NM: X CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1259	10/14/2025	S	1	SS06C-0'		1									X			4.5	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10-15-25	0711	Michelle Gonzales	10-15-25	0711
Michelle Gonzales	10-15-25	1430	Marissa Gonzales	10-15-25	1430
Marissa Gonzales	10-15-25	1915	Andrew Musso	10-15-25	1915
Andrew Musso	10-15-25	2345	[signature]	10-16-25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 10/16/2025 10:12:50AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	10/16/25 08:00	Work Order ID:	E510163
Phone:	(972) 371-5200	Date Logged In:	10/15/25 14:58	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name: Shinnery Oak SWD #001

Work Order: E510168

Job Number: 23003-0002

Received: 10/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/22/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E510168
Date Received: 10/16/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/16/2025 8:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 13:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH11-58'	E510168-01A	Soil	10/14/25	10/16/25	Glass Jar, 2 oz.
BH11-59'	E510168-02A	Soil	10/14/25	10/16/25	Glass Jar, 2 oz.
BH12-58'	E510168-03A	Soil	10/14/25	10/16/25	Glass Jar, 2 oz.
BH12-59'	E510168-04A	Soil	10/14/25	10/16/25	Glass Jar, 2 oz.
BH12-60'	E510168-05A	Soil	10/14/25	10/16/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:50:57PM

BH11-58'

E510168-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2542094
Benzene	ND	0.0250	1	10/16/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/16/25	10/17/25	
Toluene	ND	0.0250	1	10/16/25	10/17/25	
o-Xylene	ND	0.0250	1	10/16/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/16/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/16/25	10/17/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: 1,2-Dichloroethane-d4		*86.4 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: Toluene-d8		*96.5 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2542094
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/25	10/17/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: 1,2-Dichloroethane-d4		*86.4 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: Toluene-d8		*96.5 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542090
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*96.7 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542113
Chloride	**163**	20.0	1	10/16/25	10/16/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:50:57PM

BH11-59'

E510168-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2542094
Benzene	ND	0.0250	1	10/16/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/16/25	10/17/25	
Toluene	ND	0.0250	1	10/16/25	10/17/25	
o-Xylene	ND	0.0250	1	10/16/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/16/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/16/25	10/17/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: 1,2-Dichloroethane-d4		*89.3 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: Toluene-d8		*96.4 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2542094
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/25	10/17/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: 1,2-Dichloroethane-d4		*89.3 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: Toluene-d8		*96.4 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542090
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*96.8 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542113
Chloride	**122**	20.0	1	10/16/25	10/16/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:50:57PM

BH12-58'

E510168-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2542094
Benzene	ND	0.0250	1	10/16/25	10/20/25	
Ethylbenzene	ND	0.0250	1	10/16/25	10/20/25	
Toluene	ND	0.0250	1	10/16/25	10/20/25	
o-Xylene	ND	0.0250	1	10/16/25	10/20/25	
p,m-Xylene	ND	0.0500	1	10/16/25	10/20/25	
Total Xylenes	ND	0.0250	1	10/16/25	10/20/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*10/16/25*	*10/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*90.0 %*	*70-130*	*10/16/25*	*10/20/25*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*10/16/25*	*10/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2542094
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/25	10/20/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*10/16/25*	*10/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*90.0 %*	*70-130*	*10/16/25*	*10/20/25*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*10/16/25*	*10/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542090
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*94.5 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542113
Chloride	**469**	20.0	1	10/16/25	10/16/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:50:57PM

BH12-59'

E510168-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2542094
Benzene	ND	0.0250	1	10/16/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/16/25	10/17/25	
Toluene	ND	0.0250	1	10/16/25	10/17/25	
o-Xylene	ND	0.0250	1	10/16/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/16/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/16/25	10/17/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: Toluene-d8		*95.5 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2542094
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/25	10/17/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: Toluene-d8		*95.5 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542090
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*96.1 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542113
Chloride	**307**	20.0	1	10/16/25	10/16/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:50:57PM

BH12-60'

E510168-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2542094
Benzene	ND	0.0250	1	10/16/25	10/17/25	
Ethylbenzene	ND	0.0250	1	10/16/25	10/17/25	
Toluene	ND	0.0250	1	10/16/25	10/17/25	
o-Xylene	ND	0.0250	1	10/16/25	10/17/25	
p,m-Xylene	ND	0.0500	1	10/16/25	10/17/25	
Total Xylenes	ND	0.0250	1	10/16/25	10/17/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: 1,2-Dichloroethane-d4		*90.5 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: Toluene-d8		*95.1 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2542094
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/16/25	10/17/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: 1,2-Dichloroethane-d4		*90.5 %*	*70-130*	*10/16/25*	*10/17/25*	
Surrogate: Toluene-d8		*95.1 %*	*70-130*	*10/16/25*	*10/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2542090
Diesel Range Organics (C10-C28)	ND	25.0	1	10/16/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/16/25	10/16/25	
Surrogate: n-Nonane		*98.3 %*	*61-141*	*10/16/25*	*10/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2542113
Chloride	**207**	20.0	1	10/16/25	10/16/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:50:57PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542094-BLK1)									Prepared: 10/16/25 Analyzed: 10/20/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.447*		*0.500*		*89.3*	*70-130*			
Surrogate: Toluene-d8	*0.481*		*0.500*		*96.2*	*70-130*			
LCS (2542094-BS1)									Prepared: 10/16/25 Analyzed: 10/20/25
Benzene	2.48	0.0250	2.50		99.3	70-130			
Ethylbenzene	2.51	0.0250	2.50		101	70-130			
Toluene	2.48	0.0250	2.50		99.4	70-130			
o-Xylene	2.53	0.0250	2.50		101	70-130			
p,m-Xylene	5.23	0.0500	5.00		105	70-130			
Total Xylenes	7.76	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.458*		*0.500*		*91.6*	*70-130*			
Surrogate: Toluene-d8	*0.488*		*0.500*		*97.6*	*70-130*			
Matrix Spike (2542094-MS1)				**Source: E510168-03**					Prepared: 10/16/25 Analyzed: 10/20/25
Benzene	2.37	0.0250	2.50	ND	94.8	48-131			
Ethylbenzene	2.43	0.0250	2.50	ND	97.0	45-135			
Toluene	2.40	0.0250	2.50	ND	95.9	48-130			
o-Xylene	2.38	0.0250	2.50	ND	95.4	43-135			
p,m-Xylene	4.98	0.0500	5.00	ND	99.6	43-135			
Total Xylenes	7.36	0.0250	7.50	ND	98.2	43-135			
Surrogate: Bromofluorobenzene	*0.516*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.433*		*0.500*		*86.6*	*70-130*			
Surrogate: Toluene-d8	*0.496*		*0.500*		*99.1*	*70-130*			
Matrix Spike Dup (2542094-MSD1)				**Source: E510168-03**					Prepared: 10/16/25 Analyzed: 10/20/25
Benzene	2.42	0.0250	2.50	ND	96.9	48-131	2.19	23	
Ethylbenzene	2.44	0.0250	2.50	ND	97.5	45-135	0.535	27	
Toluene	2.40	0.0250	2.50	ND	95.9	48-130	0.00	24	
o-Xylene	2.52	0.0250	2.50	ND	101	43-135	5.49	27	
p,m-Xylene	5.23	0.0500	5.00	ND	105	43-135	4.92	27	
Total Xylenes	7.75	0.0250	7.50	ND	103	43-135	5.10	27	
Surrogate: Bromofluorobenzene	*0.526*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.450*		*0.500*		*89.9*	*70-130*			
Surrogate: Toluene-d8	*0.486*		*0.500*		*97.2*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:50:57PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542094-BLK1)									Prepared: 10/16/25 Analyzed: 10/20/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.447*		*0.500*		*89.3*	*70-130*			
Surrogate: Toluene-d8	*0.481*		*0.500*		*96.2*	*70-130*			
LCS (2542094-BS2)									Prepared: 10/16/25 Analyzed: 10/20/25
Gasoline Range Organics (C6-C10)	62.7	20.0	50.0		125	70-130			
Surrogate: Bromofluorobenzene	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.443*		*0.500*		*88.6*	*70-130*			
Surrogate: Toluene-d8	*0.490*		*0.500*		*98.0*	*70-130*			
Matrix Spike (2542094-MS2)				**Source: E510168-03**					Prepared: 10/16/25 Analyzed: 10/20/25
Gasoline Range Organics (C6-C10)	62.3	20.0	50.0	ND	125	70-130			
Surrogate: Bromofluorobenzene	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.450*		*0.500*		*90.0*	*70-130*			
Surrogate: Toluene-d8	*0.499*		*0.500*		*99.8*	*70-130*			
Matrix Spike Dup (2542094-MSD2)				**Source: E510168-03**					Prepared: 10/16/25 Analyzed: 10/20/25
Gasoline Range Organics (C6-C10)	59.4	20.0	50.0	ND	119	70-130	4.77	20	
Surrogate: Bromofluorobenzene	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.427*		*0.500*		*85.3*	*70-130*			
Surrogate: Toluene-d8	*0.496*		*0.500*		*99.2*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:50:57PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542090-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.1*		*50.0*		*94.2*	*61-141*			
LCS (2542090-BS1)									Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	258	25.0	250		103	66-144			
Surrogate: n-Nonane	*47.8*		*50.0*		*95.5*	*61-141*			
Matrix Spike (2542090-MS1)				**Source: E510169-07**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	56-156			
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*61-141*			
Matrix Spike Dup (2542090-MSD1)				**Source: E510169-07**					Prepared: 10/16/25 Analyzed: 10/16/25
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	56-156	1.14	20	
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/2025 1:50:57PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2542113-BLK1)									Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	ND	20.0							
LCS (2542113-BS1)									Prepared: 10/16/25 Analyzed: 10/17/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2542113-MS1)				**Source: E510169-03**					Prepared: 10/16/25 Analyzed: 10/17/25
Chloride	445	20.0	250	183	105	80-120			
Matrix Spike Dup (2542113-MSD1)				**Source: E510169-03**					Prepared: 10/16/25 Analyzed: 10/16/25
Chloride	455	20.0	250	183	109	80-120	2.15	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/22/25 13:50

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E501168	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23C03-0002	x	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1058	10/14/2025	S	1	BH11-58'		1									X			4.5	
1058	10/14/2025	S	1	BH11-59'		2									X			4.0	
1128	10/14/2025	S	1	BH12-58'		3									X			3.5	
1128	10/14/2025	S	1	BH12-59'		4									X			4.2	
1129	10/14/2025	S	1	BH12-60'		5									X			3.9	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10-15-25	0711	Michelle Gonzales	10-15-25	0711
Michelle Gonzales	10-15-25	1430	Mariana Gonzales	10-15-25	1430
Mariana Gonzales	10-15-25	1915	Andrew Musso	10.15.25	1915
Andrew Musso	10.15.25	2345	Cath Mcm	10.16.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 10/16/2025 10:33:01AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	10/16/25 08:00	Work Order ID:	E510168
Phone:	(972) 371-5200	Date Logged In:	10/15/25 15:25	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509081
Job Number:	23003-0002
Received:	9/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/16/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/16/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509081
Date Received: 9/10/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 12:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS32-0.5'	E509081-01A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:45:22PM

FS32-0.5'

E509081-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2537068
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*115 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2537068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537079
Diesel Range Organics (C10-C28)	**28.5**	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	**70.4**	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537075
Chloride	**7480**	200	10	09/10/25	09/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:45:22PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537068-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*9.44*		*8.00*		*118*	*70-130*			
LCS (2537068-BS1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	3.84	0.0250	5.00		76.7	70-130			
Ethylbenzene	3.84	0.0250	5.00		76.8	70-130			
Toluene	3.82	0.0250	5.00		76.5	70-130			
o-Xylene	3.88	0.0250	5.00		77.5	70-130			
p,m-Xylene	7.82	0.0500	10.0		78.2	70-130			
Total Xylenes	11.7	0.0250	15.0		77.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.87*		*8.00*		*111*	*70-130*			
Matrix Spike (2537068-MS1)				**Source: E509078-04**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	4.06	0.0250	5.00	ND	81.2	70-130			
Ethylbenzene	4.09	0.0250	5.00	ND	81.8	70-130			
Toluene	4.06	0.0250	5.00	ND	81.1	70-130			
o-Xylene	4.15	0.0250	5.00	ND	82.9	70-130			
p,m-Xylene	8.31	0.0500	10.0	ND	83.1	70-130			
Total Xylenes	12.5	0.0250	15.0	ND	83.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.41*		*8.00*		*118*	*70-130*			
Matrix Spike Dup (2537068-MSD1)				**Source: E509078-04**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	4.28	0.0250	5.00	ND	85.6	70-130	5.23	27	
Ethylbenzene	4.32	0.0250	5.00	ND	86.3	70-130	5.44	26	
Toluene	4.28	0.0250	5.00	ND	85.6	70-130	5.41	20	
o-Xylene	4.41	0.0250	5.00	ND	88.3	70-130	6.27	25	
p,m-Xylene	8.78	0.0500	10.0	ND	87.8	70-130	5.51	23	
Total Xylenes	13.2	0.0250	15.0	ND	88.0	70-130	5.77	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.40*		*8.00*		*118*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:45:22PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537068-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.7*	*70-130*			
LCS (2537068-BS2)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0		112	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.7*	*70-130*			
Matrix Spike (2537068-MS2)				**Source: E509078-04**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	52.7	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.4*	*70-130*			
Matrix Spike Dup (2537068-MSD2)				**Source: E509078-04**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.5	70-130	7.81	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:45:22PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537079-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*61-141*			
LCS (2537079-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.5*	*61-141*			
Matrix Spike (2537079-MS1)				**Source: E509082-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	309	25.0	250	51.3	103	56-156			
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			
Matrix Spike Dup (2537079-MSD1)				**Source: E509082-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	305	25.0	250	51.3	102	56-156	1.20	20	
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:45:22PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537075-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	ND	20.0							
LCS (2537075-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2537075-MS1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4470	40.0	250	3550	368	80-120			M4
Matrix Spike Dup (2537075-MSD1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4050	40.0	250	3550	201	80-120	9.77	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 12:45

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509081	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003-0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1853	9/8/2025	S	1	FS32 - 0.5'		1									X			2.8	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9.9.25	1200	Michelle Gonzales	9-9-25	1200
Michelle Gonzales	9-9-25	1500	Marissa Gonzales	9-9-25	1500
Marissa Gonzales	9.9.25	1930	Andrew Musso	9.9.25	1930
Andrew Musso	9.9.25	2400	Caitlyn Mair	9.10.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: (Y) / N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/10/2025 9:40:20AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/10/25 07:30	Work Order ID:	E509081
Phone:	(972) 371-5200	Date Logged In:	09/09/25 15:16	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/16/25 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509082
Job Number:	23003-0002
Received:	9/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/16/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/16/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509082
Date Received: 9/10/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 12:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS38-0.5'	E509082-01A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:47:22PM

FS38-0.5'

E509082-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2537068
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2537068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537079
Diesel Range Organics (C10-C28)	**51.3**	25.0	1	09/10/25	09/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/11/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/10/25*	*09/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537075
Chloride	**5830**	200	10	09/10/25	09/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:47:22PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537068-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*9.44*		*8.00*		*118*	*70-130*			
LCS (2537068-BS1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	3.84	0.0250	5.00		76.7	70-130			
Ethylbenzene	3.84	0.0250	5.00		76.8	70-130			
Toluene	3.82	0.0250	5.00		76.5	70-130			
o-Xylene	3.88	0.0250	5.00		77.5	70-130			
p,m-Xylene	7.82	0.0500	10.0		78.2	70-130			
Total Xylenes	11.7	0.0250	15.0		77.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.87*		*8.00*		*111*	*70-130*			
Matrix Spike (2537068-MS1)				**Source: E509078-04**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	4.06	0.0250	5.00	ND	81.2	70-130			
Ethylbenzene	4.09	0.0250	5.00	ND	81.8	70-130			
Toluene	4.06	0.0250	5.00	ND	81.1	70-130			
o-Xylene	4.15	0.0250	5.00	ND	82.9	70-130			
p,m-Xylene	8.31	0.0500	10.0	ND	83.1	70-130			
Total Xylenes	12.5	0.0250	15.0	ND	83.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.41*		*8.00*		*118*	*70-130*			
Matrix Spike Dup (2537068-MSD1)				**Source: E509078-04**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	4.28	0.0250	5.00	ND	85.6	70-130	5.23	27	
Ethylbenzene	4.32	0.0250	5.00	ND	86.3	70-130	5.44	26	
Toluene	4.28	0.0250	5.00	ND	85.6	70-130	5.41	20	
o-Xylene	4.41	0.0250	5.00	ND	88.3	70-130	6.27	25	
p,m-Xylene	8.78	0.0500	10.0	ND	87.8	70-130	5.51	23	
Total Xylenes	13.2	0.0250	15.0	ND	88.0	70-130	5.77	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.40*		*8.00*		*118*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:47:22PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537068-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.7*	*70-130*			
LCS (2537068-BS2)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0		112	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.7*	*70-130*			
Matrix Spike (2537068-MS2)				**Source: E509078-04**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	52.7	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.4*	*70-130*			
Matrix Spike Dup (2537068-MSD2)				**Source: E509078-04**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.5	70-130	7.81	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:47:22PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537079-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*61-141*			
LCS (2537079-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.5*	*61-141*			
Matrix Spike (2537079-MS1)				**Source: E509082-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	309	25.0	250	51.3	103	56-156			
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			
Matrix Spike Dup (2537079-MSD1)				**Source: E509082-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	305	25.0	250	51.3	102	56-156	1.20	20	
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:47:22PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537075-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	ND	20.0							
LCS (2537075-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2537075-MS1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4470	40.0	250	3550	368	80-120			M4
Matrix Spike Dup (2537075-MSD1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4050	40.0	250	3550	201	80-120	9.77	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 12:47

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509082	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003-0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Samle Temp	Remarks
1657	9/8/2025	S	1	FS38 - 0.5'		1									X			1.9	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-9-25	1200	Michelle Gonzales	9-9-25	1200
Michelle Gonzales	9-9-25	1500	Marissa Gonzales	9-9-25	1500
Marissa Gonzales	9-9-25	1930	Andrew Musso	9.9.25	1930
Andrew Musso	9.9.25	2400		9.10.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: Y / N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/10/2025 9:50:23AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/10/25 07:30	Work Order ID:	E509082
Phone:	(972) 371-5200	Date Logged In:	09/09/25 15:19	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/16/25 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509083
Job Number:	23003-0002
Received:	9/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/16/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/16/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509083
Date Received: 9/10/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 12:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS39-0.5'	E509083-01A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:50:49PM

FS39-0.5'

E509083-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.2 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537079
Diesel Range Organics (C10-C28)	**55.3**	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	**55.3**	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*99.5 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537075
Chloride	**7120**	200	10	09/10/25	09/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:50:49PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537069-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.2*	*70-130*			
LCS (2537069-BS1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.7	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	4.99	0.0250	5.00		99.7	70-130			
p,m-Xylene	9.97	0.0500	10.0		99.7	70-130			
Total Xylenes	15.0	0.0250	15.0		99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike (2537069-MS1)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	5.23	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130			
Toluene	5.18	0.0250	5.00	ND	104	70-130			
o-Xylene	5.14	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.39*		*8.00*		*92.4*	*70-130*			
Matrix Spike Dup (2537069-MSD1)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	4.98	0.0250	5.00	ND	99.6	70-130	4.86	27	
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	70-130	4.60	26	
Toluene	4.96	0.0250	5.00	ND	99.1	70-130	4.51	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	70-130	4.19	25	
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	70-130	4.52	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130	4.41	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:50:49PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537069-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.9*	*70-130*			
LCS (2537069-BS2)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike (2537069-MS2)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.9*	*70-130*			
Matrix Spike Dup (2537069-MSD2)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130	3.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:50:49PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537079-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*61-141*			
LCS (2537079-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.5*	*61-141*			
Matrix Spike (2537079-MS1)				**Source: E509082-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	309	25.0	250	51.3	103	56-156			
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			
Matrix Spike Dup (2537079-MSD1)				**Source: E509082-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	305	25.0	250	51.3	102	56-156	1.20	20	
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:50:49PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537075-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	ND	20.0							
LCS (2537075-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2537075-MS1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4470	40.0	250	3550	368	80-120			M4
Matrix Spike Dup (2537075-MSD1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4050	40.0	250	3550	201	80-120	9.77	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 12:50

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509083	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23008-0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1658	9/8/2025	S	1	FS39 - 0.5'		1									X			1.0	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-9-25	1200	Michelle Gonzales	9-9-25	1200
Michelle Gonzales	9-9-25	1500	Marissa Gonzales	9-9-25	1500
Marissa Gonzales	9-9-25	1930	Andrew Musso	9.9.25	1930
Andrew Musso	9.9.25	2400	Caitlin Mason	9.10.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/10/2025 9:52:14AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/10/25 07:30	Work Order ID:	E509083
Phone:	(972) 371-5200	Date Logged In:	09/09/25 15:22	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/16/25 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509084
Job Number:	23003-0002
Received:	9/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/16/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/16/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509084
Date Received: 9/10/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 12:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS40-0.5'	E509084-01A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:54:25PM

FS40-0.5'

E509084-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.3 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.0 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537079
Diesel Range Organics (C10-C28)	**55.8**	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	**63.2**	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537075
Chloride	**6140**	200	10	09/10/25	09/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:54:25PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537069-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.2*	*70-130*			
LCS (2537069-BS1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.7	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	4.99	0.0250	5.00		99.7	70-130			
p,m-Xylene	9.97	0.0500	10.0		99.7	70-130			
Total Xylenes	15.0	0.0250	15.0		99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike (2537069-MS1)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	5.23	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130			
Toluene	5.18	0.0250	5.00	ND	104	70-130			
o-Xylene	5.14	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.39*		*8.00*		*92.4*	*70-130*			
Matrix Spike Dup (2537069-MSD1)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	4.98	0.0250	5.00	ND	99.6	70-130	4.86	27	
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	70-130	4.60	26	
Toluene	4.96	0.0250	5.00	ND	99.1	70-130	4.51	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	70-130	4.19	25	
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	70-130	4.52	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130	4.41	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:54:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537069-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.9*	*70-130*			
LCS (2537069-BS2)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike (2537069-MS2)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.9*	*70-130*			
Matrix Spike Dup (2537069-MSD2)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130	3.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:54:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537079-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*61-141*			
LCS (2537079-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.5*	*61-141*			
Matrix Spike (2537079-MS1)				**Source: E509082-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	309	25.0	250	51.3	103	56-156			
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			
Matrix Spike Dup (2537079-MSD1)				**Source: E509082-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	305	25.0	250	51.3	102	56-156	1.20	20	
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:54:25PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537075-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	ND	20.0							
LCS (2537075-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2537075-MS1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4470	40.0	250	3550	368	80-120			M4
Matrix Spike Dup (2537075-MSD1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4050	40.0	250	3550	201	80-120	9.77	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 12:54

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509084	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23103-0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1659	9/8/2025	S	1	FS40 - 0.5'		1									X			2.7	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-9-25	1200	Michelle Gonzales	9-9-25	1200
Michelle Gonzales	9.9.25	1500	Marissa Gonzales	9-9-25	1500
Marissa Gonzales	9.9.25	1930	Andrew Musso	9.9.25	1930
Andrew Musso	9.9.25	2400	Cristian Mar	9.10.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: (Y) N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/10/2025 9:54:03AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/10/25 07:30	Work Order ID:	E509084
Phone:	(972) 371-5200	Date Logged In:	09/09/25 15:25	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/16/25 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509085
Job Number:	23003-0002
Received:	9/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/16/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/16/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509085
Date Received: 9/10/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 12:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS41-0.5'	E509085-01A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:58:33PM

FS41-0.5'

E509085-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537079
Diesel Range Organics (C10-C28)	**168**	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	**131**	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537075
Chloride	**3550**	40.0	2	09/10/25	09/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:58:33PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537069-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.2*	*70-130*			
LCS (2537069-BS1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.7	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	4.99	0.0250	5.00		99.7	70-130			
p,m-Xylene	9.97	0.0500	10.0		99.7	70-130			
Total Xylenes	15.0	0.0250	15.0		99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike (2537069-MS1)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	5.23	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130			
Toluene	5.18	0.0250	5.00	ND	104	70-130			
o-Xylene	5.14	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.39*		*8.00*		*92.4*	*70-130*			
Matrix Spike Dup (2537069-MSD1)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	4.98	0.0250	5.00	ND	99.6	70-130	4.86	27	
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	70-130	4.60	26	
Toluene	4.96	0.0250	5.00	ND	99.1	70-130	4.51	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	70-130	4.19	25	
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	70-130	4.52	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130	4.41	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:58:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537069-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.9*	*70-130*			
LCS (2537069-BS2)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike (2537069-MS2)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.9*	*70-130*			
Matrix Spike Dup (2537069-MSD2)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130	3.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:58:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537079-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*61-141*			
LCS (2537079-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.5*	*61-141*			
Matrix Spike (2537079-MS1)				**Source: E509082-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	309	25.0	250	51.3	103	56-156			
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			
Matrix Spike Dup (2537079-MSD1)				**Source: E509082-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	305	25.0	250	51.3	102	56-156	1.20	20	
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 12:58:33PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537075-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	ND	20.0							
LCS (2537075-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2537075-MS1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4470	40.0	250	3550	368	80-120			M4
Matrix Spike Dup (2537075-MSD1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4050	40.0	250	3550	201	80-120	9.77	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 12:58

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509085	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23108.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	
1839	9/8/2025	S	1	FS41 - 0.5'		1									X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Sample Temp	Remarks
2.9	

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-9-25	1206	Michelle Gonzales	9-9-25	1200
Michelle Gonzales	9-9-25	1500	Marissa Gonzales	9-9-25	1500
Marissa Gonzales	9-9-25	1980	Andrew Musso	9.9.25	1930
Andrew Musso	9.9.25	2400	Cailtlin Mar	9.10.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/10/2025 9:55:32AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/10/25 07:30	Work Order ID:	E509085
Phone:	(972) 371-5200	Date Logged In:	09/09/25 15:31	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/16/25 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

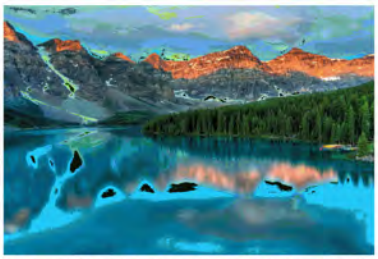
Signature of client authorizing changes to the COC or sample disposition.

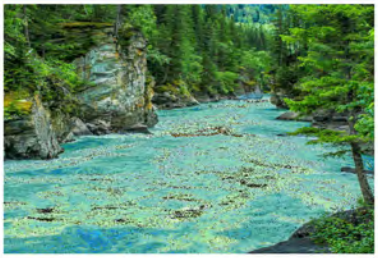
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509086
Job Number:	23003-0002
Received:	9/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/16/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/16/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509086
Date Received: 9/10/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 09:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS45-0.5'	E509086-01A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:02:14AM

FS45-0.5'

E509086-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2537069
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537080
Diesel Range Organics (C10-C28)	**40.1**	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*95.6 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537075
Chloride	**7860**	200	10	09/10/25	09/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:02:14AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537069-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.2*	*70-130*			
LCS (2537069-BS1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.7	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	4.99	0.0250	5.00		99.7	70-130			
p,m-Xylene	9.97	0.0500	10.0		99.7	70-130			
Total Xylenes	15.0	0.0250	15.0		99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike (2537069-MS1)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	5.23	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130			
Toluene	5.18	0.0250	5.00	ND	104	70-130			
o-Xylene	5.14	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.39*		*8.00*		*92.4*	*70-130*			
Matrix Spike Dup (2537069-MSD1)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	4.98	0.0250	5.00	ND	99.6	70-130	4.86	27	
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	70-130	4.60	26	
Toluene	4.96	0.0250	5.00	ND	99.1	70-130	4.51	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	70-130	4.19	25	
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	70-130	4.52	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130	4.41	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:02:14AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537069-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.03*		*8.00*		*87.9*	*70-130*			
LCS (2537069-BS2)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike (2537069-MS2)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.9*	*70-130*			
Matrix Spike Dup (2537069-MSD2)				**Source: E509088-01**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130	3.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:02:14AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537080-BLK1)									Prepared: 09/10/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.2*		*50.0*		*98.5*	*61-141*			
LCS (2537080-BS1)									Prepared: 09/10/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	237	25.0	250		94.9	66-144			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.6*	*61-141*			
Matrix Spike (2537080-MS1)				**Source: E509088-04**					Prepared: 09/10/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.5	56-156			
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*61-141*			
Matrix Spike Dup (2537080-MSD1)				**Source: E509088-04**					Prepared: 09/10/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.2	56-156	1.32	20	
Surrogate: n-Nonane	*48.7*		*50.0*		*97.4*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:02:14AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537075-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	ND	20.0							
LCS (2537075-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2537075-MS1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4470	40.0	250	3550	368	80-120			M4
Matrix Spike Dup (2537075-MSD1)				**Source: E509085-01**					Prepared: 09/10/25 Analyzed: 09/11/25
Chloride	4050	40.0	250	3550	201	80-120	9.77	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 09:02

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509080	Job Number 23003-0002	1D 2D 3D Std: X	NM X, CO, UT, TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Analysis and Method / **EPA Program**: SDWA | CWA | RCRA; Compliance Y or N; PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1646	9/8/2025	S	1	FS45 - 0.5'		1									X				

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-9-25	1200	Michelle Gonzales	9-9-25	1200
Michelle Gonzales	9-9-25	1500	Marissa Gonzales	9-9-25	1500
Marissa Gonzales	9-9-25	1930	Andrew Musso	9.9.25	1930
Andrew Musso	9.9.25	2400	Caitlin Mason	9.10.25	730

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: 0 / N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/10/2025 9:58:33AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/10/25 07:30	Work Order ID:	E509086
Phone:	(972) 371-5200	Date Logged In:	09/09/25 15:32	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/16/25 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

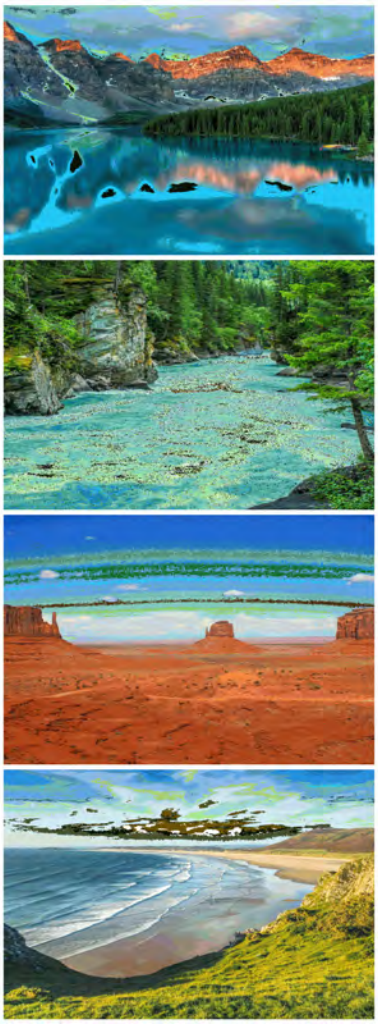
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509089
Job Number:	23003-0002
Received:	9/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/16/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/16/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509089
Date Received: 9/10/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 09:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS21-0.5'	E509089-01A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
FS30-0.5'	E509089-02A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
FS34-0.5'	E509089-03A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
FS35-0.5'	E509089-04A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
FS46-0.5'	E509089-05A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
FS47-0.5'	E509089-06A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
FS48-0.5'	E509089-07A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
FS50-0.5'	E509089-08A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
FS53-0.5'	E509089-09A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.
FS54-0.5'	E509089-10A	Soil	09/08/25	09/10/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

FS21-0.5'

E509089-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537081
Diesel Range Organics (C10-C28)	**510**	25.0	1	09/10/25	09/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/11/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*09/10/25*	*09/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537076
Chloride	**2360**	40.0	2	09/10/25	09/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

FS30-0.5'

E509089-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/25	09/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/11/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/10/25*	*09/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537076
Chloride	**6660**	200	10	09/10/25	09/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

FS34-0.5'

E509089-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.1 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/25	09/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/11/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/10/25*	*09/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537076
Chloride	**7020**	200	10	09/10/25	09/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

FS35-0.5'

E509089-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537081
Diesel Range Organics (C10-C28)	**27.5**	25.0	1	09/10/25	09/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/11/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/10/25*	*09/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537076
Chloride	**3840**	100	5	09/10/25	09/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

FS46-0.5'

E509089-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.2 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537081
Diesel Range Organics (C10-C28)	**228**	25.0	1	09/10/25	09/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/11/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*09/10/25*	*09/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537076
Chloride	**7190**	200	10	09/10/25	09/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

FS47-0.5'

E509089-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.8 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537081
Diesel Range Organics (C10-C28)	**35.6**	25.0	1	09/10/25	09/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/11/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/10/25*	*09/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537076
Chloride	**5810**	100	5	09/10/25	09/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

FS48-0.5'

E509089-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.2 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537081
Diesel Range Organics (C10-C28)	**286**	25.0	1	09/10/25	09/11/25	
Oil Range Organics (C28-C36)	**298**	50.0	1	09/10/25	09/11/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*09/10/25*	*09/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537076
Chloride	**7700**	200	10	09/10/25	09/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

FS50-0.5'

E509089-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.1 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.0 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537081
Diesel Range Organics (C10-C28)	**117**	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	**72.6**	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*125 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537076
Chloride	**3940**	40.0	2	09/10/25	09/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

FS53-0.5'

E509089-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537081
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537076
Chloride	**3580**	40.0	2	09/10/25	09/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

FS54-0.5'

E509089-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Benzene	ND	0.0250	1	09/10/25	09/10/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/10/25	
Toluene	ND	0.0250	1	09/10/25	09/10/25	
o-Xylene	ND	0.0250	1	09/10/25	09/10/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/10/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*09/10/25*	*09/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537081
Diesel Range Organics (C10-C28)	**67.2**	25.0	1	09/10/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/25	09/12/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*09/10/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537076
Chloride	**3270**	40.0	2	09/10/25	09/10/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537073-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.8*	*70-130*			
LCS (2537073-BS1)									Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.2	70-130			
Toluene	4.96	0.0250	5.00		99.1	70-130			
o-Xylene	4.98	0.0250	5.00		99.5	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.8*	*70-130*			
Matrix Spike (2537073-MS1)				**Source: E509089-09**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	5.35	0.0250	5.00	ND	107	70-130			
Ethylbenzene	5.37	0.0250	5.00	ND	107	70-130			
Toluene	5.35	0.0250	5.00	ND	107	70-130			
o-Xylene	5.34	0.0250	5.00	ND	107	70-130			
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130			
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.17*		*8.00*		*102*	*70-130*			
Matrix Spike Dup (2537073-MSD1)				**Source: E509089-09**					Prepared: 09/10/25 Analyzed: 09/10/25
Benzene	4.74	0.0250	5.00	ND	94.8	70-130	12.2	27	
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	70-130	12.5	26	
Toluene	4.74	0.0250	5.00	ND	94.7	70-130	12.2	20	
o-Xylene	4.79	0.0250	5.00	ND	95.7	70-130	10.9	25	
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	70-130	11.9	23	
Total Xylenes	14.4	0.0250	15.0	ND	96.0	70-130	11.6	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.02*		*8.00*		*100*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537073-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.22*		*8.00*		*90.2*	*70-130*			
LCS (2537073-BS2)									Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.4*	*70-130*			
Matrix Spike (2537073-MS2)				**Source: E509089-09**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.6*	*70-130*			
Matrix Spike Dup (2537073-MSD2)				**Source: E509089-09**					Prepared: 09/10/25 Analyzed: 09/10/25
Gasoline Range Organics (C6-C10)	57.9	20.0	50.0	ND	116	70-130	15.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537081-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.9*		*50.0*		*99.9*	*61-141*			
LCS (2537081-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	290	25.0	250		116	66-144			
Surrogate: n-Nonane	*55.0*		*50.0*		*110*	*61-141*			
Matrix Spike (2537081-MS1)				**Source: E509090-06**					Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156			
Surrogate: n-Nonane	*51.9*		*50.0*		*104*	*61-141*			
Matrix Spike Dup (2537081-MSD1)				**Source: E509090-06**					Prepared: 09/10/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	1.78	20	
Surrogate: n-Nonane	*51.3*		*50.0*		*103*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 9:09:14AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537076-BLK1)									Prepared: 09/10/25 Analyzed: 09/10/25
Chloride	ND	20.0							
LCS (2537076-BS1)									Prepared: 09/10/25 Analyzed: 09/10/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2537076-MS1)				**Source: E509089-08**					Prepared: 09/10/25 Analyzed: 09/10/25
Chloride	4550	40.0	250	3940	244	80-120			M4
Matrix Spike Dup (2537076-MSD1)				**Source: E509089-08**					Prepared: 09/10/25 Analyzed: 09/10/25
Chloride	4230	40.0	250	3940	117	80-120	7.21	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 09:09

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509089	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23103-0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1848	9/8/2025	S	1	FS21 - 0.5'		1									X			2.4	
1831	9/8/2025	S	1	FS30 - 0.5'		2									X			2.6	
1845	9/8/2025	S	1	FS34 - 0.5'		3									X			1.0	
1844	9/8/2025	S	1	FS35 - 0.5'		4									X			1.4	
1838	9/8/2025	S	1	FS46 - 0.5'		5									X			2.0	
1640	9/8/2025	S	1	FS47 - 0.5'		6									X			0.8	
1641	9/8/2025	S	1	FS48 - 0.5'		7									X			0.8	
1636	9/8/2025	S	1	FS50 - 0.5'		8									X			1.1	
1632	9/8/2025	S	1	FS53 - 0.5'		9									X			1.0	
1633	9/8/2025	S	1	FS54 - 0.5'		10									X			2.2	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-9-25	1200	Michelle Gonzales	9-9-25	1200
Michelle Gonzales	9-9-25	1500	Marissa Gonzales	9-9-25	1500
Marissa Gonzales	9-9-25	1930	Andrew Musso	9.9.25	1930
Andrew Musso	9.9.25	2400	Caitlin Mars	9-10-25	730

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: (Y) N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/10/2025 10:05:20AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/10/25 07:30	Work Order ID:	E509089
Phone:	(972) 371-5200	Date Logged In:	09/09/25 15:34	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/16/25 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509110
Job Number:	23003-0002
Received:	9/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/16/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/16/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509110
Date Received: 9/10/2025 11:00:41PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2025 11:00:41PM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 16:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS31-0.5'	E509110-01A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:14:45PM

FS31-0.5'

E509110-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Benzene	ND	0.0250	1	09/10/25	09/11/25	
Ethylbenzene	**0.0278**	0.0250	1	09/10/25	09/11/25	
Toluene	ND	0.0250	1	09/10/25	09/11/25	
o-Xylene	ND	0.0250	1	09/10/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/25	09/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/11/25	
Surrogate: n-Nonane		*93.3 %*	*61-141*	*09/11/25*	*09/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2537118
Chloride	**8370**	200	10	09/11/25	09/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:14:45PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537104-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.9*	*70-130*			
LCS (2537104-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Benzene	5.56	0.0250	5.00		111	70-130			
Ethylbenzene	5.57	0.0250	5.00		111	70-130			
Toluene	5.57	0.0250	5.00		111	70-130			
o-Xylene	5.52	0.0250	5.00		110	70-130			
p,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.7	0.0250	15.0		112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike (2537104-MS1)				**Source: E509106-24**					Prepared: 09/10/25 Analyzed: 09/11/25
Benzene	5.78	0.0250	5.00	ND	116	70-130			
Ethylbenzene	5.83	0.0250	5.00	ND	117	70-130			
Toluene	5.80	0.0250	5.00	ND	116	70-130			
o-Xylene	5.79	0.0250	5.00	ND	116	70-130			
p,m-Xylene	11.7	0.0500	10.0	ND	117	70-130			
Total Xylenes	17.5	0.0250	15.0	ND	117	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.05*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2537104-MSD1)				**Source: E509106-24**					Prepared: 09/10/25 Analyzed: 09/11/25
Benzene	5.46	0.0250	5.00	ND	109	70-130	5.74	27	
Ethylbenzene	5.47	0.0250	5.00	ND	109	70-130	6.35	26	
Toluene	5.47	0.0250	5.00	ND	109	70-130	5.96	20	
o-Xylene	5.47	0.0250	5.00	ND	109	70-130	5.76	25	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	6.30	23	
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130	6.12	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.39*		*8.00*		*105*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:14:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537104-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.23*		*8.00*		*90.4*	*70-130*			
LCS (2537104-BS2)									Prepared: 09/10/25 Analyzed: 09/11/25
Gasoline Range Organics (C6-C10)	59.8	20.0	50.0		120	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike (2537104-MS2)				**Source: E509106-24**					Prepared: 09/10/25 Analyzed: 09/11/25
Gasoline Range Organics (C6-C10)	58.6	20.0	50.0	ND	117	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike Dup (2537104-MSD2)				**Source: E509106-24**					Prepared: 09/10/25 Analyzed: 09/11/25
Gasoline Range Organics (C6-C10)	59.1	20.0	50.0	ND	118	70-130	0.837	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:14:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537108-BLK1)									Prepared: 09/11/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.1*		*50.0*		*92.3*	*61-141*			
LCS (2537108-BS1)									Prepared: 09/11/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	247	25.0	250		98.9	66-144			
Surrogate: n-Nonane	*46.6*		*50.0*		*93.1*	*61-141*			
Matrix Spike (2537108-MS1)				**Source: E509111-07**					Prepared: 09/11/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.0	56-156			
Surrogate: n-Nonane	*44.6*		*50.0*		*89.3*	*61-141*			
Matrix Spike Dup (2537108-MSD1)				**Source: E509111-07**					Prepared: 09/11/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	56-156	2.48	20	
Surrogate: n-Nonane	*43.6*		*50.0*		*87.1*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:14:45PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537118-BLK1)									Prepared: 09/11/25 Analyzed: 09/11/25
Chloride	ND	20.0							
LCS (2537118-BS1)									Prepared: 09/11/25 Analyzed: 09/11/25
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2537118-MS1)				**Source: E509111-03**					Prepared: 09/11/25 Analyzed: 09/11/25
Chloride	540	20.0	250	254	115	80-120			
Matrix Spike Dup (2537118-MSD1)				**Source: E509111-03**					Prepared: 09/11/25 Analyzed: 09/11/25
Chloride	504	20.0	250	254	100	80-120	6.94	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 16:14

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509110	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Samle Temp	Remarks
959	9/9/2025	S	1	FS31 - 0.5'		1									X			1.1	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-10-25	711	Michelle Gonzales	9-10-25	0711
Michelle Gonzales	9-10-25	1415	Marissa Gonzales	9-10-25	1415
Marissa Gonzales	9-10-25	1815	Andrew Musso	9.10.25	1815
Andrew Musso	9.10.25	2300	Cath Man	9.10.25	2300
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/11/2025 10:32:51AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/10/25 23:00	Work Order ID:	E509110
Phone:	(972) 371-5200	Date Logged In:	09/10/25 16:17	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/18/25 07:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509111
Job Number:	23003-0002
Received:	9/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/16/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/16/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509111
Date Received: 9/10/2025 11:00:41PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2025 11:00:41PM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 16:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS04-0.5'	E509111-01A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.
FS19-0.5'	E509111-02A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.
FS22-3'	E509111-03A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.
FS24-3'	E509111-04A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.
FS25-3'	E509111-05A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.
FS66-1'	E509111-06A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.
FS67-1'	E509111-07A	Soil	09/09/25	09/10/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:19:10PM

FS04-0.5'

E509111-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Benzene	ND	0.0250	1	09/10/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/11/25	
Toluene	ND	0.0250	1	09/10/25	09/11/25	
o-Xylene	ND	0.0250	1	09/10/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/25	09/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/11/25	
Surrogate: n-Nonane		*96.6 %*	*61-141*	*09/11/25*	*09/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2537118
Chloride	**2210**	40.0	2	09/11/25	09/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:19:10PM

FS19-0.5'

E509111-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Benzene	ND	0.0250	1	09/10/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/11/25	
Toluene	ND	0.0250	1	09/10/25	09/11/25	
o-Xylene	ND	0.0250	1	09/10/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/12/25	
Surrogate: n-Nonane		*89.7 %*	*61-141*	*09/11/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2537118
Chloride	**8280**	200	10	09/11/25	09/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:19:10PM

FS22-3'

E509111-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Benzene	ND	0.0250	1	09/10/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/11/25	
Toluene	ND	0.0250	1	09/10/25	09/11/25	
o-Xylene	ND	0.0250	1	09/10/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.0 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/12/25	
Surrogate: n-Nonane		*92.7 %*	*61-141*	*09/11/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2537118
Chloride	**254**	20.0	1	09/11/25	09/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:19:10PM

FS24-3'

E509111-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Benzene	ND	0.0250	1	09/10/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/11/25	
Toluene	ND	0.0250	1	09/10/25	09/11/25	
o-Xylene	ND	0.0250	1	09/10/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.5 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537108
Diesel Range Organics (C10-C28)	**1190**	25.0	1	09/11/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/12/25	
Surrogate: n-Nonane		*91.1 %*	*61-141*	*09/11/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2537118
Chloride	**1550**	40.0	2	09/11/25	09/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:19:10PM

FS25-3'

E509111-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Benzene	ND	0.0250	1	09/10/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/11/25	
Toluene	ND	0.0250	1	09/10/25	09/11/25	
o-Xylene	ND	0.0250	1	09/10/25	09/11/25	
p,m-Xylene	**0.0595**	0.0500	1	09/10/25	09/11/25	
Total Xylenes	**0.0595**	0.0250	1	09/10/25	09/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.8 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537108
Diesel Range Organics (C10-C28)	**677**	25.0	1	09/11/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/12/25	
Surrogate: n-Nonane		*89.9 %*	*61-141*	*09/11/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2537118
Chloride	**1430**	40.0	2	09/11/25	09/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:19:10PM

FS66-1'

E509111-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Benzene	ND	0.0250	1	09/10/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/11/25	
Toluene	ND	0.0250	1	09/10/25	09/11/25	
o-Xylene	ND	0.0250	1	09/10/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537108
Diesel Range Organics (C10-C28)	**46.9**	25.0	1	09/11/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/12/25	
Surrogate: n-Nonane		*90.8 %*	*61-141*	*09/11/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2537118
Chloride	**1020**	20.0	1	09/11/25	09/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:19:10PM

FS67-1'

E509111-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Benzene	ND	0.0250	1	09/10/25	09/11/25	
Ethylbenzene	ND	0.0250	1	09/10/25	09/11/25	
Toluene	ND	0.0250	1	09/10/25	09/11/25	
o-Xylene	ND	0.0250	1	09/10/25	09/11/25	
p,m-Xylene	ND	0.0500	1	09/10/25	09/11/25	
Total Xylenes	ND	0.0250	1	09/10/25	09/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/25	09/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*09/10/25*	*09/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/25	09/12/25	
Surrogate: n-Nonane		*92.7 %*	*61-141*	*09/11/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2537118
Chloride	**1700**	20.0	1	09/11/25	09/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:19:10PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537104-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.9*	*70-130*			
LCS (2537104-BS1)									Prepared: 09/10/25 Analyzed: 09/11/25
Benzene	5.56	0.0250	5.00		111	70-130			
Ethylbenzene	5.57	0.0250	5.00		111	70-130			
Toluene	5.57	0.0250	5.00		111	70-130			
o-Xylene	5.52	0.0250	5.00		110	70-130			
p,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.7	0.0250	15.0		112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike (2537104-MS1)				**Source: E509106-24**					Prepared: 09/10/25 Analyzed: 09/11/25
Benzene	5.78	0.0250	5.00	ND	116	70-130			
Ethylbenzene	5.83	0.0250	5.00	ND	117	70-130			
Toluene	5.80	0.0250	5.00	ND	116	70-130			
o-Xylene	5.79	0.0250	5.00	ND	116	70-130			
p,m-Xylene	11.7	0.0500	10.0	ND	117	70-130			
Total Xylenes	17.5	0.0250	15.0	ND	117	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.05*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2537104-MSD1)				**Source: E509106-24**					Prepared: 09/10/25 Analyzed: 09/11/25
Benzene	5.46	0.0250	5.00	ND	109	70-130	5.74	27	
Ethylbenzene	5.47	0.0250	5.00	ND	109	70-130	6.35	26	
Toluene	5.47	0.0250	5.00	ND	109	70-130	5.96	20	
o-Xylene	5.47	0.0250	5.00	ND	109	70-130	5.76	25	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	6.30	23	
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130	6.12	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.39*		*8.00*		*105*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:19:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537104-BLK1)									Prepared: 09/10/25 Analyzed: 09/11/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.23*		*8.00*		*90.4*	*70-130*			
LCS (2537104-BS2)									Prepared: 09/10/25 Analyzed: 09/11/25
Gasoline Range Organics (C6-C10)	59.8	20.0	50.0		120	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike (2537104-MS2)				**Source: E509106-24**					Prepared: 09/10/25 Analyzed: 09/11/25
Gasoline Range Organics (C6-C10)	58.6	20.0	50.0	ND	117	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike Dup (2537104-MSD2)				**Source: E509106-24**					Prepared: 09/10/25 Analyzed: 09/11/25
Gasoline Range Organics (C6-C10)	59.1	20.0	50.0	ND	118	70-130	0.837	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:19:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537108-BLK1)									Prepared: 09/11/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.1*		*50.0*		*92.3*	*61-141*			
LCS (2537108-BS1)									Prepared: 09/11/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	247	25.0	250		98.9	66-144			
Surrogate: n-Nonane	*46.6*		*50.0*		*93.1*	*61-141*			
Matrix Spike (2537108-MS1)				**Source: E509111-07**					Prepared: 09/11/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.0	56-156			
Surrogate: n-Nonane	*44.6*		*50.0*		*89.3*	*61-141*			
Matrix Spike Dup (2537108-MSD1)				**Source: E509111-07**					Prepared: 09/11/25 Analyzed: 09/11/25
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	56-156	2.48	20	
Surrogate: n-Nonane	*43.6*		*50.0*		*87.1*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/16/2025 4:19:10PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537118-BLK1)									Prepared: 09/11/25 Analyzed: 09/11/25
Chloride	ND	20.0							
LCS (2537118-BS1)									Prepared: 09/11/25 Analyzed: 09/11/25
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2537118-MS1)				**Source: E509111-03**					Prepared: 09/11/25 Analyzed: 09/11/25
Chloride	540	20.0	250	254	115	80-120			
Matrix Spike Dup (2537118-MSD1)				**Source: E509111-03**					Prepared: 09/11/25 Analyzed: 09/11/25
Chloride	504	20.0	250	254	100	80-120	6.94	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/16/25 16:19

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509111	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
944	9/9/2025	S	1	FS04 - 0.5'		1									X			3.2	
953	9/9/2025	S	1	FS19 - 0.5'		2									X			3.9	
1323	9/9/2025	S	1	FS22 - 3'		3									X			4.7	
1326	9/9/2025	S	1	FS24 - 3'		4									X			3.7	
1327	9/9/2025	S	1	FS25 - 3'		5									X			4.7	
1320	9/9/2025	S	1	FS66 - 1'		6									X			4.7	
1321	9/9/2025	S	1	FS67 - 1'		7									X			5.0	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-10-25	711	Michelle Gonzales	9-10-25	0711
Michelle Gonzales	9-10-25	1415	Marissa Gonzales	9-10-25	1415
Marissa Gonzales	9-10-25	1815	Andrew Musso	9.10.25	1815
Andrew Musso	9.10.25	2300	Cath Man	9.10.25	2300
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/11/2025 10:41:54AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/10/25 23:00	Work Order ID:	E509111
Phone:	(972) 371-5200	Date Logged In:	09/10/25 16:22	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/18/25 07:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

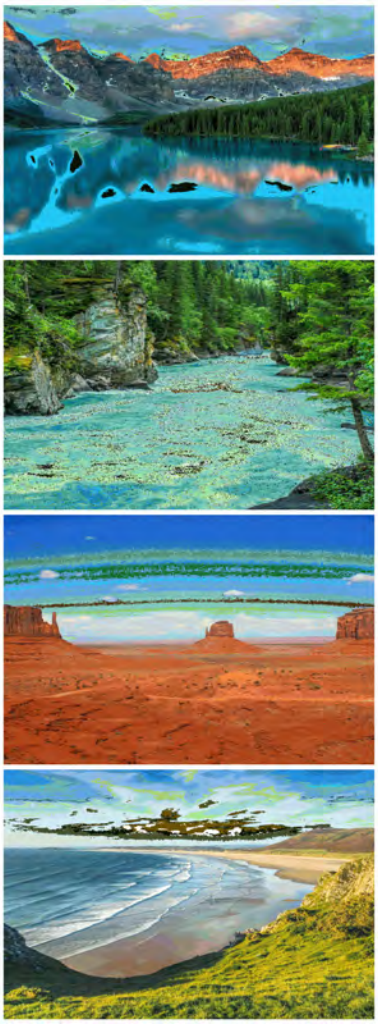
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509121
Job Number:	23003-0002
Received:	9/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/18/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/18/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509121
Date Received: 9/12/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/18/25 10:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS56-0.5'	E509121-01A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:41:25AM

FS56-0.5'

E509121-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537130
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537130
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537126
Diesel Range Organics (C10-C28)	**150**	25.0	1	09/12/25	09/12/25	
Oil Range Organics (C28-C36)	**138**	50.0	1	09/12/25	09/12/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*09/12/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537134
Chloride	**6000**	100	5	09/12/25	09/12/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:41:25AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537130-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.36*		*8.00*		*92.0*	*70-130*			
LCS (2537130-BS1)									Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	4.52	0.0250	5.00		90.4	70-130			
Ethylbenzene	4.60	0.0250	5.00		92.1	70-130			
Toluene	4.60	0.0250	5.00		92.0	70-130			
o-Xylene	4.60	0.0250	5.00		92.0	70-130			
p,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	13.9	0.0250	15.0		93.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.49*		*8.00*		*93.7*	*70-130*			
Matrix Spike (2537130-MS1)				**Source: E509120-05**					Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	4.82	0.0250	5.00	ND	96.4	70-130			
Ethylbenzene	4.89	0.0250	5.00	ND	97.8	70-130			
Toluene	4.90	0.0250	5.00	ND	97.9	70-130			
o-Xylene	4.89	0.0250	5.00	ND	97.7	70-130			
p,m-Xylene	9.92	0.0500	10.0	ND	99.2	70-130			
Total Xylenes	14.8	0.0250	15.0	ND	98.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.1*	*70-130*			
Matrix Spike Dup (2537130-MSD1)				**Source: E509120-05**					Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	4.78	0.0250	5.00	ND	95.6	70-130	0.815	27	
Ethylbenzene	4.87	0.0250	5.00	ND	97.4	70-130	0.466	26	
Toluene	4.86	0.0250	5.00	ND	97.2	70-130	0.708	20	
o-Xylene	4.86	0.0250	5.00	ND	97.2	70-130	0.535	25	
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	70-130	0.457	23	
Total Xylenes	14.7	0.0250	15.0	ND	98.2	70-130	0.483	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.76*		*8.00*		*97.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:41:25AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537130-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.62*		*8.00*		*108*	*70-130*			
LCS (2537130-BS2)									Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	54.4	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.74*		*8.00*		*109*	*70-130*			
Matrix Spike (2537130-MS2)				**Source: E509120-05**					Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.78*		*8.00*		*110*	*70-130*			
Matrix Spike Dup (2537130-MSD2)				**Source: E509120-05**					Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130	0.504	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.72*		*8.00*		*109*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:41:25AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537126-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.3*		*50.0*		*92.7*	*61-141*			
LCS (2537126-BS1)									Prepared: 09/12/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.6*	*61-141*			
Matrix Spike (2537126-MS1)				**Source: E509120-01**					Prepared: 09/12/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	*47.5*		*50.0*		*95.0*	*61-141*			
Matrix Spike Dup (2537126-MSD1)				**Source: E509120-01**					Prepared: 09/12/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	274	25.0	250	ND	109	56-156	2.81	20	
Surrogate: n-Nonane	*46.7*		*50.0*		*93.5*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:41:25AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537134-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
Chloride	ND	20.0							
LCS (2537134-BS1)									Prepared: 09/12/25 Analyzed: 09/12/25
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2537134-MS1)				**Source: E509120-03**					Prepared: 09/12/25 Analyzed: 09/12/25
Chloride	813	20.0	250	583	92.0	80-120			
Matrix Spike Dup (2537134-MSD1)				**Source: E509120-03**					Prepared: 09/12/25 Analyzed: 09/12/25
Chloride	791	20.0	250	583	83.0	80-120	2.81	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/18/25 10:41

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509121	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23008.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1312	9/10/2025	S	1	FS56 - 0.5'		1									X			3.2	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-11-25	0900	Noe Sotelo	9-11-25	1200
Noe Sotelo	9-11-25	1600	Andrew Musso	9.11.25	1730
Andrew Musso	9.11.25	2400	Cath Man	9.12.25	730

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/12/2025 12:10:35PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/12/25 07:30	Work Order ID:	E509121
Phone:	(972) 371-5200	Date Logged In:	09/11/25 14:42	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/18/25 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

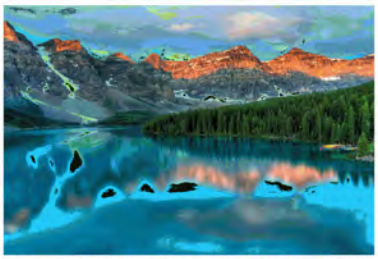
Signature of client authorizing changes to the COC or sample disposition.

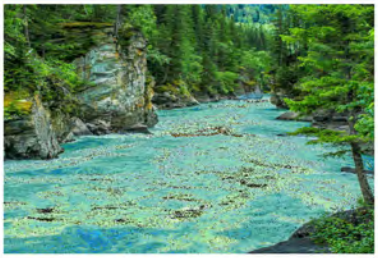
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509122
Job Number:	23003-0002
Received:	9/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/18/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/18/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509122
Date Received: 9/12/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/18/25 10:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS58-0.5'	E509122-01A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:13:19AM

FS58-0.5'

E509122-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537130
Benzene	ND	0.0250	1	09/12/25	09/13/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/13/25	
Toluene	ND	0.0250	1	09/12/25	09/13/25	
o-Xylene	ND	0.0250	1	09/12/25	09/13/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/13/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*09/12/25*	*09/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537130
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*09/12/25*	*09/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2537126
Diesel Range Organics (C10-C28)	**252**	25.0	1	09/12/25	09/12/25	
Oil Range Organics (C28-C36)	**232**	50.0	1	09/12/25	09/12/25	
Surrogate: n-Nonane		*99.1 %*	*61-141*	*09/12/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537134
Chloride	**4510**	40.0	2	09/12/25	09/12/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:13:19AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537130-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.36*		*8.00*		*92.0*	*70-130*			
LCS (2537130-BS1)									Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	4.52	0.0250	5.00		90.4	70-130			
Ethylbenzene	4.60	0.0250	5.00		92.1	70-130			
Toluene	4.60	0.0250	5.00		92.0	70-130			
o-Xylene	4.60	0.0250	5.00		92.0	70-130			
p,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	13.9	0.0250	15.0		93.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.49*		*8.00*		*93.7*	*70-130*			
Matrix Spike (2537130-MS1)				**Source: E509120-05**					Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	4.82	0.0250	5.00	ND	96.4	70-130			
Ethylbenzene	4.89	0.0250	5.00	ND	97.8	70-130			
Toluene	4.90	0.0250	5.00	ND	97.9	70-130			
o-Xylene	4.89	0.0250	5.00	ND	97.7	70-130			
p,m-Xylene	9.92	0.0500	10.0	ND	99.2	70-130			
Total Xylenes	14.8	0.0250	15.0	ND	98.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.1*	*70-130*			
Matrix Spike Dup (2537130-MSD1)				**Source: E509120-05**					Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	4.78	0.0250	5.00	ND	95.6	70-130	0.815	27	
Ethylbenzene	4.87	0.0250	5.00	ND	97.4	70-130	0.466	26	
Toluene	4.86	0.0250	5.00	ND	97.2	70-130	0.708	20	
o-Xylene	4.86	0.0250	5.00	ND	97.2	70-130	0.535	25	
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	70-130	0.457	23	
Total Xylenes	14.7	0.0250	15.0	ND	98.2	70-130	0.483	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.76*		*8.00*		*97.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:13:19AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537130-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.62*		*8.00*		*108*	*70-130*			
LCS (2537130-BS2)									Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	54.4	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.74*		*8.00*		*109*	*70-130*			
Matrix Spike (2537130-MS2)				**Source: E509120-05**					Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.78*		*8.00*		*110*	*70-130*			
Matrix Spike Dup (2537130-MSD2)				**Source: E509120-05**					Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130	0.504	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.72*		*8.00*		*109*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:13:19AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537126-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.3*		*50.0*		*92.7*	*61-141*			
LCS (2537126-BS1)									Prepared: 09/12/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.6*	*61-141*			
Matrix Spike (2537126-MS1)				**Source: E509120-01**					Prepared: 09/12/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	*47.5*		*50.0*		*95.0*	*61-141*			
Matrix Spike Dup (2537126-MSD1)				**Source: E509120-01**					Prepared: 09/12/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	274	25.0	250	ND	109	56-156	2.81	20	
Surrogate: n-Nonane	*46.7*		*50.0*		*93.5*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:13:19AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537134-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
Chloride	ND	20.0							
LCS (2537134-BS1)									Prepared: 09/12/25 Analyzed: 09/12/25
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2537134-MS1)				**Source: E509120-03**					Prepared: 09/12/25 Analyzed: 09/12/25
Chloride	813	20.0	250	583	92.0	80-120			
Matrix Spike Dup (2537134-MSD1)				**Source: E509120-03**					Prepared: 09/12/25 Analyzed: 09/12/25
Chloride	791	20.0	250	583	83.0	80-120	2.81	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/18/25 10:13

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509122	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1313	9/10/2025	S	1	FS58 - 0.5'		1									X			2.6	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/11/25	0900	Noe Sat	9-11-25	1200
Noe Sat	9-11-25	1600	Andrew Musso	9.11.25	1730
Andrew Musso	9.11.25	2400	Cath Mar	9.12.25	730

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/12/2025 12:12:10PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/12/25 07:30	Work Order ID:	E509122
Phone:	(972) 371-5200	Date Logged In:	09/11/25 14:46	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/18/25 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

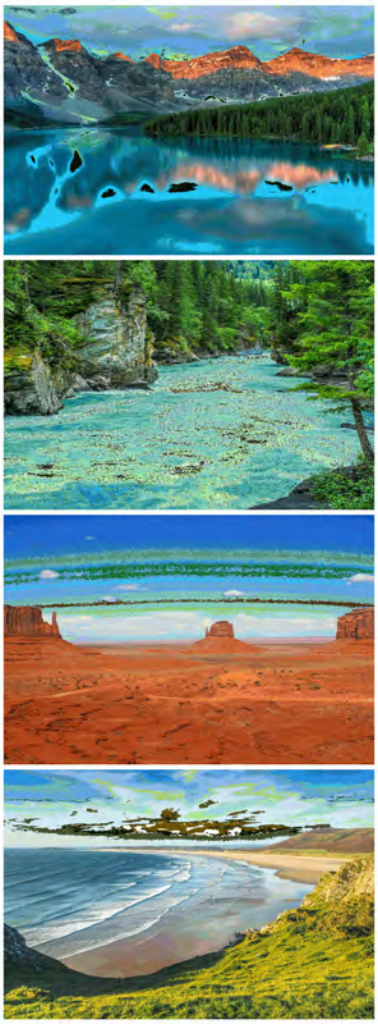
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509123
Job Number:	23003-0002
Received:	9/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/18/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/18/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509123
Date Received: 9/12/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/18/25 10:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0.5'	E509123-01A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS02-0.5'	E509123-02A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS03-0.5'	E509123-03A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS12-0.5'	E509123-04A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS13-0.5'	E509123-05A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS16-0.5'	E509123-06A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS17-0.5'	E509123-07A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS23-3'	E509123-08A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS51-1'	E509123-09A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS52-1'	E509123-10A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS55-1'	E509123-11A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS57-0.5'	E509123-12A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
FS59-0.5'	E509123-13A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

FS01-0.5'

E509123-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537127
Diesel Range Organics (C10-C28)	**56.6**	25.0	1	09/12/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/12/25	
Surrogate: n-Nonane		*98.1 %*	*61-141*	*09/12/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537136
Chloride	**475**	20.0	1	09/12/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

FS02-0.5'

E509123-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.1 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537127
Diesel Range Organics (C10-C28)	**25.7**	25.0	1	09/12/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/12/25	
Surrogate: n-Nonane		*94.2 %*	*61-141*	*09/12/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537136
Chloride	**969**	20.0	1	09/12/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

FS03-0.5'

E509123-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.0 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537127
Diesel Range Organics (C10-C28)	**34.0**	25.0	1	09/12/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/12/25	
Surrogate: n-Nonane		*94.7 %*	*61-141*	*09/12/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537136
Chloride	**2710**	40.0	2	09/12/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

FS12-0.5'

E509123-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537127
Diesel Range Organics (C10-C28)	**125**	25.0	1	09/12/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/12/25	
Surrogate: n-Nonane		*95.5 %*	*61-141*	*09/12/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537136
Chloride	**2650**	40.0	2	09/12/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

FS13-0.5'

E509123-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537127
Diesel Range Organics (C10-C28)	**318**	25.0	1	09/12/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/12/25	
Surrogate: n-Nonane		*95.7 %*	*61-141*	*09/12/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537136
Chloride	**4740**	100	5	09/12/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

FS16-0.5'

E509123-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.2 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537127
Diesel Range Organics (C10-C28)	**142**	25.0	1	09/12/25	09/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/12/25	
Surrogate: n-Nonane		*99.9 %*	*61-141*	*09/12/25*	*09/12/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537136
Chloride	**1690**	20.0	1	09/12/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

FS17-0.5'

E509123-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537127
Diesel Range Organics (C10-C28)	**377**	25.0	1	09/12/25	09/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/13/25	
Surrogate: n-Nonane		*97.1 %*	*61-141*	*09/12/25*	*09/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537136
Chloride	**3090**	40.0	2	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

FS23-3'

E509123-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537127
Diesel Range Organics (C10-C28)	**27.0**	25.0	1	09/12/25	09/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/13/25	
Surrogate: n-Nonane		*97.8 %*	*61-141*	*09/12/25*	*09/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537136
Chloride	**139**	20.0	1	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

FS51-1'

E509123-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537127
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/25	09/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/13/25	
Surrogate: n-Nonane		*98.2 %*	*61-141*	*09/12/25*	*09/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537136
Chloride	**1830**	40.0	2	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

FS52-1'

E509123-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	**0.0481**	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	**0.124**	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	**0.178**	0.0500	1	09/12/25	09/12/25	
Total Xylenes	**0.302**	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Gasoline Range Organics (C6-C10)	**30.0**	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537127
Diesel Range Organics (C10-C28)	**2020**	25.0	1	09/12/25	09/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/13/25	
Surrogate: n-Nonane		*98.4 %*	*61-141*	*09/12/25*	*09/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537136
Chloride	**1920**	40.0	2	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

FS55-1'

E509123-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537127
Diesel Range Organics (C10-C28)	**45.6**	25.0	1	09/12/25	09/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/13/25	
Surrogate: n-Nonane		*92.5 %*	*61-141*	*09/12/25*	*09/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537136
Chloride	**4430**	40.0	2	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

FS57-0.5'

E509123-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537127
Diesel Range Organics (C10-C28)	**288**	25.0	1	09/12/25	09/13/25	
Oil Range Organics (C28-C36)	**300**	50.0	1	09/12/25	09/13/25	
Surrogate: n-Nonane		*94.1 %*	*61-141*	*09/12/25*	*09/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537136
Chloride	**4390**	40.0	2	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

FS59-0.5'

E509123-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537133
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2537127
Diesel Range Organics (C10-C28)	**259**	25.0	1	09/12/25	09/13/25	
Oil Range Organics (C28-C36)	**256**	50.0	1	09/12/25	09/13/25	
Surrogate: n-Nonane		*95.8 %*	*61-141*	*09/12/25*	*09/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2537136
Chloride	**3130**	40.0	2	09/12/25	09/12/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537133-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.70*		*8.00*		*96.2*	*70-130*			
LCS (2537133-BS1)									Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	4.76	0.0250	5.00		95.3	70-130			
Ethylbenzene	4.89	0.0250	5.00		97.9	70-130			
Toluene	4.86	0.0250	5.00		97.3	70-130			
o-Xylene	4.92	0.0250	5.00		98.3	70-130			
p,m-Xylene	9.91	0.0500	10.0		99.1	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.87*		*8.00*		*98.4*	*70-130*			
Matrix Spike (2537133-MS1)				**Source: E509123-06**					Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	5.01	0.0250	5.00	ND	100	70-130			
Ethylbenzene	5.10	0.0250	5.00	ND	102	70-130			
Toluene	5.09	0.0250	5.00	ND	102	70-130			
o-Xylene	5.13	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.8*	*70-130*			
Matrix Spike Dup (2537133-MSD1)				**Source: E509123-06**					Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	5.01	0.0250	5.00	ND	100	70-130	0.0170	27	
Ethylbenzene	5.13	0.0250	5.00	ND	103	70-130	0.555	26	
Toluene	5.09	0.0250	5.00	ND	102	70-130	0.0354	20	
o-Xylene	5.12	0.0250	5.00	ND	102	70-130	0.236	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	0.524	23	
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130	0.272	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.79*		*8.00*		*97.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537133-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.21*		*8.00*		*90.2*	*70-130*			
LCS (2537133-BS2)									Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.6*	*70-130*			
Matrix Spike (2537133-MS2)				**Source: E509123-06**					Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	56.5	20.0	50.0	ND	113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike Dup (2537133-MSD2)				**Source: E509123-06**					Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130	2.38	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537127-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.6*		*50.0*		*95.2*	*61-141*			
LCS (2537127-BS1)									Prepared: 09/12/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	265	25.0	250		106	66-144			
Surrogate: n-Nonane	*45.7*		*50.0*		*91.5*	*61-141*			
Matrix Spike (2537127-MS1)				**Source: E509123-02**					Prepared: 09/12/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	294	25.0	250	25.7	107	56-156			
Surrogate: n-Nonane	*46.9*		*50.0*		*93.7*	*61-141*			
Matrix Spike Dup (2537127-MSD1)				**Source: E509123-02**					Prepared: 09/12/25 Analyzed: 09/12/25
Diesel Range Organics (C10-C28)	294	25.0	250	25.7	107	56-156	0.0547	20	
Surrogate: n-Nonane	*46.9*		*50.0*		*93.9*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:17:46AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2537136-BLK1)									Prepared: 09/12/25 Analyzed: 09/15/25
Chloride	ND	20.0							
LCS (2537136-BS1)									Prepared: 09/12/25 Analyzed: 09/15/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2537136-MS1)				**Source: E509123-06**					Prepared: 09/12/25 Analyzed: 09/15/25
Chloride	1960	20.0	250	1690	109	80-120			
Matrix Spike Dup (2537136-MSD1)				**Source: E509123-06**					Prepared: 09/12/25 Analyzed: 09/15/25
Chloride	1730	20.0	250	1690	16.4	80-120	12.5	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/18/25 10:17

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509123	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 03C03-0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1023	9/10/2025	S	1	FS01 - 0.5'		1									X			3.4	
857	9/10/2025	S	1	FS02 - 0.5'		2									X			3.6	
852	9/10/2025	S	1	FS03 - 0.5'		3									X			3.0	
1025	9/10/2025	S	1	FS12 - 0.5'		4									X			2.0	
1026	9/10/2025	S	1	FS13 - 0.5'		5									X			2.4	
1031	9/10/2025	S	1	FS16 - 0.5'		6									X			3.0	
1303	9/10/2025	S	1	FS17 - 0.5'		7									X			2.2	
1028	9/10/2025	S	1	FS23 - 3'		8									X			3.2	
1308	9/10/2025	S	1	FS51 - 1'		9									X			3.4	
1307	9/10/2025	S	1	FS52 - 1'		10									X			2.6	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/11/25	0900	Nora Sta	9-11-25	1200
Nora Sta	9-11-25	1600	Andrew Musso	9.11.25	1730
Andrew Musso	9.11.25	2400	Cuth Mon	9.12.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509123	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 28003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1310	9/10/2025	S	1	FS55 - 1'		11									X			2.6	
1314	9/10/2025	S	1	FS57 - 0.5'		12									X			2.6	
1316	9/10/2025	S	1	FS59 - 0.5'		13									X			3.0	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/11/25	0900	Nae Sat	9-11-25	1200
Nae Sat	9-11-25	1600	Andrew Musso	9.11.25	1730
Andrew Musso	9.11.25	2400	Cath Mon	9.12.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/12/2025 12:13:05PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/12/25 07:30	Work Order ID:	E509123
Phone:	(972) 371-5200	Date Logged In:	09/11/25 15:09	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/18/25 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509139
Job Number:	23003-0002
Received:	9/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/19/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/19/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509139
Date Received: 9/12/2025 11:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2025 11:00:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/19/25 11:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS05-0.5'	E509139-01A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS06-0.5'	E509139-02A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS07-0.5'	E509139-03A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS08-0.5'	E509139-04A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS09-0.5'	E509139-05A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS10-0.5'	E509139-06A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS11-0.5'	E509139-07A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS14-1'	E509139-08A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS15-1'	E509139-09A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS18-0.5'	E509139-10A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS20-0.5'	E509139-11A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS26-0.5'	E509139-12A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS27-0.5'	E509139-13A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS28-0.5'	E509139-14A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS29-0.5'	E509139-15A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS33-0.5'	E509139-16A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS36-0.5'	E509139-17A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS37-0.5'	E509139-18A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS42-0.5'	E509139-19A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS43-0.5'	E509139-20A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS44-0.5'	E509139-21A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS60-0.5'	E509139-22A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS61-0.5'	E509139-23A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS62-0.5'	E509139-24A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
FS63-0.5'	E509139-25A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS05-0.5'

E509139-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**77.6**	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**3250**	40.0	2	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS06-0.5'

E509139-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*98.9 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**6230**	100	5	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS07-0.5'

E509139-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**6080**	100	5	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS08-0.5'

E509139-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**6150**	100	5	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS09-0.5'

E509139-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**106**	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**4040**	100	5	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS10-0.5'

E509139-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**69.1**	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	**55.2**	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*99.6 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**9680**	400	20	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS11-0.5'

E509139-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**83.1**	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	**74.6**	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*99.8 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	ND	400	20	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS14-1'

E509139-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**127**	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*99.9 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**2790**	40.0	2	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS15-1'

E509139-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**48.5**	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**1030**	20.0	1	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS18-0.5'

E509139-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**5670**	200	10	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS20-0.5'

E509139-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**7730**	200	10	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS26-0.5'

E509139-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**25.0**	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**13200**	400	20	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS27-0.5'

E509139-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**26.1**	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**15900**	1000	50	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS28-0.5'

E509139-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**64.0**	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	**58.5**	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**7070**	200	10	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS29-0.5'

E509139-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**47.0**	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**6440**	200	10	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS33-0.5'

E509139-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*112 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**31.2**	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	ND	400	20	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS36-0.5'

E509139-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**7310**	200	10	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS37-0.5'

E509139-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.8 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**170**	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	**182**	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**9980**	200	10	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS42-0.5'

E509139-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*112 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**131**	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	**167**	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**9520**	200	10	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS43-0.5'

E509139-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*113 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538004
Diesel Range Organics (C10-C28)	**188**	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	**209**	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538024
Chloride	**10800**	200	10	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS44-0.5'

E509139-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538005
Diesel Range Organics (C10-C28)	**37.1**	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*98.0 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	**4640**	40.0	2	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS60-0.5'

E509139-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*95.5 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	**592**	20.0	1	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS61-0.5'

E509139-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*93.4 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	**4190**	40.0	2	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS62-0.5'

E509139-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	**3180**	40.0	2	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

FS63-0.5'

E509139-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538011
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*94.8 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538015
Chloride	**4320**	40.0	2	09/15/25	09/16/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538011-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.95*		*8.00*		*86.9*	*70-130*			
LCS (2538011-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	4.52	0.0250	5.00		90.4	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.1	70-130			
Toluene	4.72	0.0250	5.00		94.4	70-130			
o-Xylene	4.82	0.0250	5.00		96.4	70-130			
p,m-Xylene	9.74	0.0500	10.0		97.4	70-130			
Total Xylenes	14.6	0.0250	15.0		97.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.2*	*70-130*			
Matrix Spike (2538011-MS1)				**Source: E509137-07**					Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	5.07	0.0250	5.00	ND	101	70-130			
Ethylbenzene	5.40	0.0250	5.00	ND	108	70-130			
Toluene	5.30	0.0250	5.00	ND	106	70-130			
o-Xylene	5.40	0.0250	5.00	ND	108	70-130			
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130			
Total Xylenes	16.3	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.63*		*8.00*		*95.4*	*70-130*			
Matrix Spike Dup (2538011-MSD1)				**Source: E509137-07**					Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	4.62	0.0250	5.00	ND	92.4	70-130	9.35	27	
Ethylbenzene	4.94	0.0250	5.00	ND	98.7	70-130	8.90	26	
Toluene	4.84	0.0250	5.00	ND	96.8	70-130	9.12	20	
o-Xylene	4.95	0.0250	5.00	ND	98.9	70-130	8.77	25	
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130	8.69	23	
Total Xylenes	14.9	0.0250	15.0	ND	99.6	70-130	8.72	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538013-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.35*		*8.00*		*91.8*	*70-130*			
LCS (2538013-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	3.90	0.0250	5.00		78.0	70-130			
Ethylbenzene	4.16	0.0250	5.00		83.2	70-130			
Toluene	4.10	0.0250	5.00		82.1	70-130			
o-Xylene	4.24	0.0250	5.00		84.8	70-130			
p,m-Xylene	8.49	0.0500	10.0		84.9	70-130			
Total Xylenes	12.7	0.0250	15.0		84.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.82*		*8.00*		*97.7*	*70-130*			
Matrix Spike (2538013-MS1)				**Source: E509139-01**					Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	4.05	0.0250	5.00	ND	81.0	70-130			
Ethylbenzene	4.30	0.0250	5.00	ND	86.0	70-130			
Toluene	4.26	0.0250	5.00	ND	85.1	70-130			
o-Xylene	4.42	0.0250	5.00	ND	88.4	70-130			
p,m-Xylene	8.77	0.0500	10.0	ND	87.7	70-130			
Total Xylenes	13.2	0.0250	15.0	ND	88.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.7*	*70-130*			
Matrix Spike Dup (2538013-MSD1)				**Source: E509139-01**					Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	4.07	0.0250	5.00	ND	81.4	70-130	0.468	27	
Ethylbenzene	4.34	0.0250	5.00	ND	86.8	70-130	1.02	26	
Toluene	4.28	0.0250	5.00	ND	85.7	70-130	0.643	20	
o-Xylene	4.43	0.0250	5.00	ND	88.7	70-130	0.340	25	
p,m-Xylene	8.85	0.0500	10.0	ND	88.5	70-130	0.886	23	
Total Xylenes	13.3	0.0250	15.0	ND	88.6	70-130	0.703	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.72*		*8.00*		*96.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538011-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			
LCS (2538011-BS2)									Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	52.8	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.7*	*70-130*			
Matrix Spike (2538011-MS2)				**Source: E509137-07**					Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*8.00*		*92.7*	*70-130*			
Matrix Spike Dup (2538011-MSD2)				**Source: E509137-07**					Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130	1.99	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		*8.00*		*92.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538013-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.75*		*8.00*		*109*	*70-130*			
LCS (2538013-BS2)									Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.91*		*8.00*		*111*	*70-130*			
Matrix Spike (2538013-MS2)				**Source: E509139-01**					Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.93*		*8.00*		*112*	*70-130*			
Matrix Spike Dup (2538013-MSD2)				**Source: E509139-01**					Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.3	70-130	5.10	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.91*		*8.00*		*111*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538004-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.8*		*50.0*		*97.6*	*61-141*			
LCS (2538004-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	*48.6*		*50.0*		*97.3*	*61-141*			
Matrix Spike (2538004-MS1)				**Source: E509139-14**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	307	25.0	250	64.0	97.4	56-156			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.6*	*61-141*			
Matrix Spike Dup (2538004-MSD1)				**Source: E509139-14**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	323	25.0	250	64.0	104	56-156	4.89	20	
Surrogate: n-Nonane	*49.9*		*50.0*		*99.8*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538005-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.1*		*50.0*		*90.2*	*61-141*			
LCS (2538005-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	251	25.0	250		100	66-144			
Surrogate: n-Nonane	*46.2*		*50.0*		*92.3*	*61-141*			
Matrix Spike (2538005-MS1)				**Source: E509137-05**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	56-156			
Surrogate: n-Nonane	*46.5*		*50.0*		*93.0*	*61-141*			
Matrix Spike Dup (2538005-MSD1)				**Source: E509137-05**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	250	25.0	250	ND	99.9	56-156	0.217	20	
Surrogate: n-Nonane	*46.3*		*50.0*		*92.5*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538015-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	ND	20.0							
LCS (2538015-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2538015-MS1)				**Source: E509136-06**					Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2538015-MSD1)				**Source: E509136-06**					Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	253	20.0	250	ND	101	80-120	0.309	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:42:53AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538024-BLK1)									Prepared: 09/15/25 Analyzed: 09/16/25
Chloride	ND	20.0							
LCS (2538024-BS1)									Prepared: 09/15/25 Analyzed: 09/16/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2538024-MS1)				**Source: E509139-06**					Prepared: 09/15/25 Analyzed: 09/16/25
Chloride	9060	400	250	9680	NR	80-120			M4
Matrix Spike Dup (2538024-MSD1)				**Source: E509139-06**					Prepared: 09/15/25 Analyzed: 09/16/25
Chloride	9140	400	250	9680	NR	80-120	0.898	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/19/25 11:42

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509139	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23013-0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1304	9/11/2025	S	1	FS05 - 0.5'		1									X			3.4	
1322	9/11/2025	S	1	FS06 - 0.5'		2									X			3.6	
1319	9/11/2025	S	1	FS07 - 0.5'		3									X			4.0	
1309	9/11/2025	S	1	FS08 - 0.5'		4									X			4.0	
1311	9/11/2025	S	1	FS09 - 0.5'		5									X			3.4	
1313	9/11/2025	S	1	FS10 - 0.5'		6									X			3.1	
1315	9/11/2025	S	1	FS11 - 0.5'		7									X			2.8	
825	9/11/2025	S	1	FS14 - 1'		8									X			3.8	
827	9/11/2025	S	1	FS15 - 1'		9									X			3.6	
938	9/11/2025	S	1	FS18 - 0.5'		10									X			2.9	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-12-25	1100	Noe	9-12-25	1100
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509139	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information							Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		SDWA	CWA	RCRA
																		Compliance	Y or N	
																		PWSID #		
																	Samle Temp	Remarks	
1329	9/11/2025	S	1	FS20 - 0.5'		11									X			4.0	
1302	9/11/2025	S	1	FS26 - 0.5'		12									X			4.0	
1333	9/11/2025	S	1	FS27 - 0.5'		13									X			4.2	
1300	9/11/2025	S	1	FS28 - 0.5'		14									X			3.8	
1258	9/11/2025	S	1	FS29 - 0.5'		15									X			2.8	
1227	9/11/2025	S	1	FS33 - 0.5'		16									X			3.6	
1223	9/11/2025	S	1	FS36 - 0.5'		17									X			3.2	
1228	9/11/2025	S	1	FS37 - 0.5'		18									X			2.9	
1217	9/11/2025	S	1	FS42 - 0.5'		19									X			2.9	
1220	9/11/2025	S	1	FS43 - 0.5'		20									X			3.1	

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-12-25	1100	Noe Sosa	9-12-25	1100
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: (Y) N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509139	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003 [illegible]		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1221	9/11/2025	S	1	FS44 - 0.5'		21									X			3.4	
1005	9/11/2025	S	1	FS60 -0.5		22									X			3.6	
1007	9/11/2025	S	1	FS61 - 0.5'		23									X			3.2	
1008	9/11/2025	S	1	FS62 - 0.5'		24									X			2.8	
1011	9/11/2025	S	1	FS63 - 0.5'		25									X			2.8	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-12-25	1100	Nat Sato	9-12-25	1100
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aquoous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/15/2025 10:28:42AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/12/25 11:00	Work Order ID:	E509139
Phone:	(972) 371-5200	Date Logged In:	09/12/25 13:00	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/19/25 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Couier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

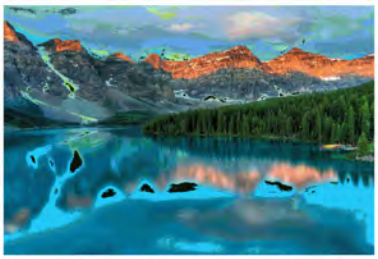
Signature of client authorizing changes to the COC or sample disposition.

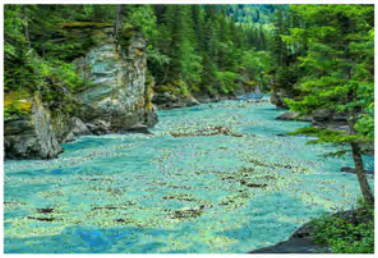
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509146
Job Number:	23003-0002
Received:	9/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/22/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509146
Date Received: 9/16/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/22/25 10:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW05-0-0.5'	E509146-01A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:53:37AM

SW05-0-0.5'

E509146-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538028
Diesel Range Organics (C10-C28)	**146**	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	**110**	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*99.9 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538040
Chloride	**2050**	40.0	2	09/16/25	09/16/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:53:37AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538034-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.25*		*8.00*		*90.7*	*70-130*			
LCS (2538034-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.42	0.0250	5.00		88.4	70-130			
Ethylbenzene	4.29	0.0250	5.00		85.7	70-130			
Toluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.35	0.0250	5.00		87.0	70-130			
p,m-Xylene	8.70	0.0500	10.0		87.0	70-130			
Total Xylenes	13.0	0.0250	15.0		87.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.3*	*70-130*			
Matrix Spike (2538034-MS1)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.43	0.0250	5.00	ND	88.6	70-130			
Ethylbenzene	4.29	0.0250	5.00	ND	85.9	70-130			
Toluene	4.37	0.0250	5.00	ND	87.4	70-130			
o-Xylene	4.36	0.0250	5.00	ND	87.2	70-130			
p,m-Xylene	8.70	0.0500	10.0	ND	87.0	70-130			
Total Xylenes	13.1	0.0250	15.0	ND	87.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.58*		*8.00*		*94.7*	*70-130*			
Matrix Spike Dup (2538034-MSD1)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.24	0.0250	5.00	ND	84.9	70-130	4.23	27	
Ethylbenzene	4.13	0.0250	5.00	ND	82.6	70-130	3.85	26	
Toluene	4.19	0.0250	5.00	ND	83.8	70-130	4.22	20	
o-Xylene	4.19	0.0250	5.00	ND	83.8	70-130	3.98	25	
p,m-Xylene	8.38	0.0500	10.0	ND	83.8	70-130	3.70	23	
Total Xylenes	12.6	0.0250	15.0	ND	83.8	70-130	3.79	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:53:37AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538034-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.15*		*8.00*		*89.4*	*70-130*			
LCS (2538034-BS2)									Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.7*	*70-130*			
Matrix Spike (2538034-MS2)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.45*		*8.00*		*93.1*	*70-130*			
Matrix Spike Dup (2538034-MSD2)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130	5.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.15*		*8.00*		*89.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:53:37AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538028-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.1*		*50.0*		*96.3*	*61-141*			
LCS (2538028-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	251	25.0	250		101	66-144			
Surrogate: n-Nonane	*48.1*		*50.0*		*96.2*	*61-141*			
Matrix Spike (2538028-MS1)				**Source: E509143-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*61-141*			
Matrix Spike Dup (2538028-MSD1)				**Source: E509143-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.8	56-156	4.67	20	
Surrogate: n-Nonane	*47.1*		*50.0*		*94.2*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:53:37AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538040-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	ND	20.0							
LCS (2538040-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2538040-MS1)				**Source: E509149-04**					Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	444	20.0	250	153	117	80-120			
Matrix Spike Dup (2538040-MSD1)				**Source: E509149-04**					Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	459	20.0	250	153	122	80-120	3.14	20	M2

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/22/25 10:53

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E5091416	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1155	9/12/2025	S	1	SW05 - 0 - 0.5'		1									X			2.4	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9.15.25	711	Michelle Gonzales	9-15-25	0711
Michelle Gonzales	9-15-25	1430	Marissa Gonzales	9-15-25	1430
Marissa Gonzales	9-15-25	1830	Andrew Musso	9.15.25	1830
Andrew Musso	9.15.25	2300		9.16.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/16/2025 8:54:20AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/16/25 07:30	Work Order ID:	E509146
Phone:	(972) 371-5200	Date Logged In:	09/15/25 14:59	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

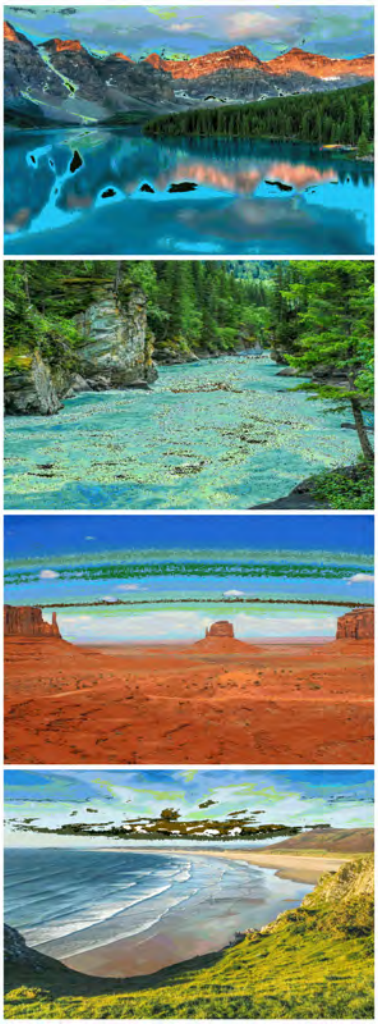
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509147
Job Number:	23003-0002
Received:	9/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/22/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509147
Date Received: 9/16/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/22/25 10:56

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW08-0-0.5'	E509147-01A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:56:04AM

SW08-0-0.5'

E509147-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538028
Diesel Range Organics (C10-C28)	**169**	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	**120**	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*96.0 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538040
Chloride	**5000**	40.0	2	09/16/25	09/16/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:56:04AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538034-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.25*		*8.00*		*90.7*	*70-130*			
LCS (2538034-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.42	0.0250	5.00		88.4	70-130			
Ethylbenzene	4.29	0.0250	5.00		85.7	70-130			
Toluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.35	0.0250	5.00		87.0	70-130			
p,m-Xylene	8.70	0.0500	10.0		87.0	70-130			
Total Xylenes	13.0	0.0250	15.0		87.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.3*	*70-130*			
Matrix Spike (2538034-MS1)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.43	0.0250	5.00	ND	88.6	70-130			
Ethylbenzene	4.29	0.0250	5.00	ND	85.9	70-130			
Toluene	4.37	0.0250	5.00	ND	87.4	70-130			
o-Xylene	4.36	0.0250	5.00	ND	87.2	70-130			
p,m-Xylene	8.70	0.0500	10.0	ND	87.0	70-130			
Total Xylenes	13.1	0.0250	15.0	ND	87.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.58*		*8.00*		*94.7*	*70-130*			
Matrix Spike Dup (2538034-MSD1)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.24	0.0250	5.00	ND	84.9	70-130	4.23	27	
Ethylbenzene	4.13	0.0250	5.00	ND	82.6	70-130	3.85	26	
Toluene	4.19	0.0250	5.00	ND	83.8	70-130	4.22	20	
o-Xylene	4.19	0.0250	5.00	ND	83.8	70-130	3.98	25	
p,m-Xylene	8.38	0.0500	10.0	ND	83.8	70-130	3.70	23	
Total Xylenes	12.6	0.0250	15.0	ND	83.8	70-130	3.79	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:56:04AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538034-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.15*		*8.00*		*89.4*	*70-130*			
LCS (2538034-BS2)									Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.7*	*70-130*			
Matrix Spike (2538034-MS2)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.45*		*8.00*		*93.1*	*70-130*			
Matrix Spike Dup (2538034-MSD2)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130	5.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.15*		*8.00*		*89.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:56:04AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538028-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.1*		*50.0*		*96.3*	*61-141*			
LCS (2538028-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	251	25.0	250		101	66-144			
Surrogate: n-Nonane	*48.1*		*50.0*		*96.2*	*61-141*			
Matrix Spike (2538028-MS1)				**Source: E509143-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*61-141*			
Matrix Spike Dup (2538028-MSD1)				**Source: E509143-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.8	56-156	4.67	20	
Surrogate: n-Nonane	*47.1*		*50.0*		*94.2*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:56:04AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538040-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	ND	20.0							
LCS (2538040-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2538040-MS1)				**Source: E509149-04**					Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	444	20.0	250	153	117	80-120			
Matrix Spike Dup (2538040-MSD1)				**Source: E509149-04**					Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	459	20.0	250	153	122	80-120	3.14	20	M2

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/22/25 10:56

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

E509147 cm 9/16/25

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509147	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1422	9/12/2025	S	1	SW08 - 0 - 0.5'		1									X			2.3	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-15-25	711	Michelle Gonzales	9-15-25	0711
Michelle Gonzales	9-15-25	1430	Marissa Gonzales	9-15-25	1430
Marissa Gonzales	9-15-25	1830	Andrew Musso	9-15-25	1830
Andrew Musso	9-15-25	2300	Caitlin Mason	9-16-25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: (Y) N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/16/2025 8:55:34AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/16/25 07:30	Work Order ID:	E509147
Phone:	(972) 371-5200	Date Logged In:	09/15/25 15:01	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

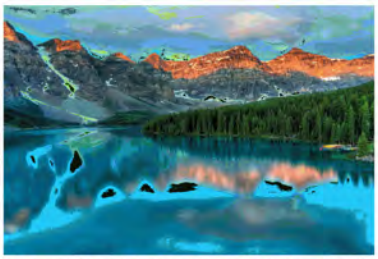
Signature of client authorizing changes to the COC or sample disposition.

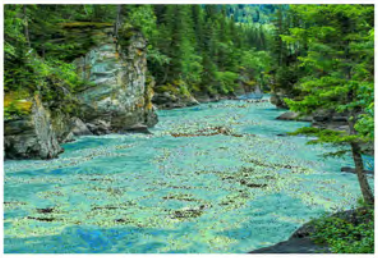
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509148
Job Number:	23003-0002
Received:	9/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/22/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509148
Date Received: 9/16/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/22/25 10:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS64-1'	E509148-01A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
FS65-1'	E509148-02A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:59:02AM

FS64-1'

E509148-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538028
Diesel Range Organics (C10-C28)	**257**	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	**130**	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538040
Chloride	**762**	20.0	1	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:59:02AM

FS65-1'

E509148-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538028
Diesel Range Organics (C10-C28)	**233**	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	**117**	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538040
Chloride	**805**	20.0	1	09/16/25	09/16/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:59:02AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538034-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.25*		*8.00*		*90.7*	*70-130*			
LCS (2538034-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.42	0.0250	5.00		88.4	70-130			
Ethylbenzene	4.29	0.0250	5.00		85.7	70-130			
Toluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.35	0.0250	5.00		87.0	70-130			
p,m-Xylene	8.70	0.0500	10.0		87.0	70-130			
Total Xylenes	13.0	0.0250	15.0		87.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.3*	*70-130*			
Matrix Spike (2538034-MS1)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.43	0.0250	5.00	ND	88.6	70-130			
Ethylbenzene	4.29	0.0250	5.00	ND	85.9	70-130			
Toluene	4.37	0.0250	5.00	ND	87.4	70-130			
o-Xylene	4.36	0.0250	5.00	ND	87.2	70-130			
p,m-Xylene	8.70	0.0500	10.0	ND	87.0	70-130			
Total Xylenes	13.1	0.0250	15.0	ND	87.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.58*		*8.00*		*94.7*	*70-130*			
Matrix Spike Dup (2538034-MSD1)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.24	0.0250	5.00	ND	84.9	70-130	4.23	27	
Ethylbenzene	4.13	0.0250	5.00	ND	82.6	70-130	3.85	26	
Toluene	4.19	0.0250	5.00	ND	83.8	70-130	4.22	20	
o-Xylene	4.19	0.0250	5.00	ND	83.8	70-130	3.98	25	
p,m-Xylene	8.38	0.0500	10.0	ND	83.8	70-130	3.70	23	
Total Xylenes	12.6	0.0250	15.0	ND	83.8	70-130	3.79	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:59:02AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538034-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.15*		*8.00*		*89.4*	*70-130*			
LCS (2538034-BS2)									Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.7*	*70-130*			
Matrix Spike (2538034-MS2)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.45*		*8.00*		*93.1*	*70-130*			
Matrix Spike Dup (2538034-MSD2)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130	5.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.15*		*8.00*		*89.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:59:02AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538028-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.1*		*50.0*		*96.3*	*61-141*			
LCS (2538028-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	251	25.0	250		101	66-144			
Surrogate: n-Nonane	*48.1*		*50.0*		*96.2*	*61-141*			
Matrix Spike (2538028-MS1)				**Source: E509143-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*61-141*			
Matrix Spike Dup (2538028-MSD1)				**Source: E509143-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.8	56-156	4.67	20	
Surrogate: n-Nonane	*47.1*		*50.0*		*94.2*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 10:59:02AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538040-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	ND	20.0							
LCS (2538040-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2538040-MS1)				**Source: E509149-04**					Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	444	20.0	250	153	117	80-120			
Matrix Spike Dup (2538040-MSD1)				**Source: E509149-04**					Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	459	20.0	250	153	122	80-120	3.14	20	M2

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/22/25 10:59

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509148	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1425	9/12/2025	S	1	FS64 - 1'		1									X			3.5	
1427	9/12/2025	S	1	FS65 - 1'		2									X			4.7	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9.15.25	711	Michelle Gonzales	9-15-25	0711
Michelle Gonzales	9-15.25	1430	Marissa Gonzales	9-15-25	1430
Marissa Gonzales	9-15.25	1830	Andrew Musso	9.15.25	1830
Andrew Musso	9.15.25	2300	Caitlyn Mar	9.16.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/16/2025 8:57:06AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/16/25 07:30	Work Order ID:	E509148
Phone:	(972) 371-5200	Date Logged In:	09/15/25 15:03	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

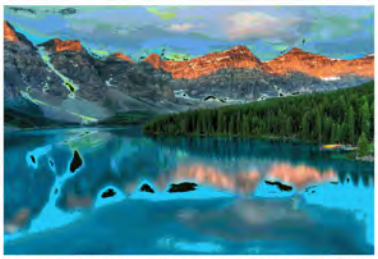
Signature of client authorizing changes to the COC or sample disposition.

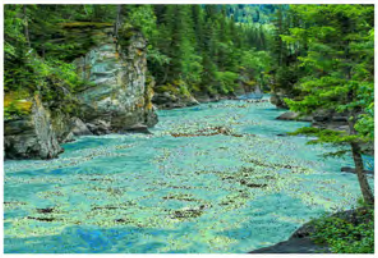
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509149
Job Number:	23003-0002
Received:	9/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/22/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509149
Date Received: 9/16/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/22/25 11:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01-0-1'	E509149-01A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW13-0-1'	E509149-02A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW15-0-1'	E509149-03A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW17-0-1'	E509149-04A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW19-0-0.5'	E509149-05A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 11:00:56AM

SW01-0-1'

E509149-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538028
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538040
Chloride	**74.4**	20.0	1	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 11:00:56AM

SW13-0-1'

E509149-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538028
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538040
Chloride	**149**	20.0	1	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 11:00:56AM

SW15-0-1'

E509149-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538028
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538040
Chloride	**148**	20.0	1	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 11:00:56AM

SW17-0-1'

E509149-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538028
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*99.6 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538040
Chloride	**153**	20.0	1	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 11:00:56AM

SW19-0-0.5'

E509149-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538028
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*99.7 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538040
Chloride	**268**	20.0	1	09/16/25	09/16/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 11:00:56AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538034-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.25*		*8.00*		*90.7*	*70-130*			
LCS (2538034-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.42	0.0250	5.00		88.4	70-130			
Ethylbenzene	4.29	0.0250	5.00		85.7	70-130			
Toluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.35	0.0250	5.00		87.0	70-130			
p,m-Xylene	8.70	0.0500	10.0		87.0	70-130			
Total Xylenes	13.0	0.0250	15.0		87.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.3*	*70-130*			
Matrix Spike (2538034-MS1)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.43	0.0250	5.00	ND	88.6	70-130			
Ethylbenzene	4.29	0.0250	5.00	ND	85.9	70-130			
Toluene	4.37	0.0250	5.00	ND	87.4	70-130			
o-Xylene	4.36	0.0250	5.00	ND	87.2	70-130			
p,m-Xylene	8.70	0.0500	10.0	ND	87.0	70-130			
Total Xylenes	13.1	0.0250	15.0	ND	87.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.58*		*8.00*		*94.7*	*70-130*			
Matrix Spike Dup (2538034-MSD1)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.24	0.0250	5.00	ND	84.9	70-130	4.23	27	
Ethylbenzene	4.13	0.0250	5.00	ND	82.6	70-130	3.85	26	
Toluene	4.19	0.0250	5.00	ND	83.8	70-130	4.22	20	
o-Xylene	4.19	0.0250	5.00	ND	83.8	70-130	3.98	25	
p,m-Xylene	8.38	0.0500	10.0	ND	83.8	70-130	3.70	23	
Total Xylenes	12.6	0.0250	15.0	ND	83.8	70-130	3.79	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 11:00:56AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538034-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.15*		*8.00*		*89.4*	*70-130*			
LCS (2538034-BS2)									Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.7*	*70-130*			
Matrix Spike (2538034-MS2)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.45*		*8.00*		*93.1*	*70-130*			
Matrix Spike Dup (2538034-MSD2)				**Source: E509149-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130	5.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.15*		*8.00*		*89.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 11:00:56AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538028-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.1*		*50.0*		*96.3*	*61-141*			
LCS (2538028-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	251	25.0	250		101	66-144			
Surrogate: n-Nonane	*48.1*		*50.0*		*96.2*	*61-141*			
Matrix Spike (2538028-MS1)				**Source: E509143-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*61-141*			
Matrix Spike Dup (2538028-MSD1)				**Source: E509143-01**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.8	56-156	4.67	20	
Surrogate: n-Nonane	*47.1*		*50.0*		*94.2*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 11:00:56AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538040-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	ND	20.0							
LCS (2538040-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2538040-MS1)				**Source: E509149-04**					Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	444	20.0	250	153	117	80-120			
Matrix Spike Dup (2538040-MSD1)				**Source: E509149-04**					Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	459	20.0	250	153	122	80-120	3.14	20	M2

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/22/25 11:00

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509149	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Samle Temp	Remarks
1042	9/12/2025	S	1	SW01 - 0 - 1'		1									X			4.3	
950	9/12/2025	S	1	SW13 - 0 - 1'		2									X			4.7	
952	9/12/2025	S	1	SW15 - 0 - 1'		3									X			3.0	
954	9/12/2025	S	1	SW17 - 0 - 1'		4									X			1.7	
956	9/12/2025	S	1	SW19 - 0 - 0.5'		5									X			4.8	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-15-25	711	Michelle Gonzales	9-15-25	0711
Michelle Gonzales	9-15-25	1430	Marissa Gonzales	9-15-25	1430
Marissa Gonzales	9-15-25	1830	Andrew Musso	9-15-25	1830
Andrew Musso	9-15-25	2300	Caitlin Mars	9-16-25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/16/2025 8:59:40AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/16/25 07:30	Work Order ID:	E509149
Phone:	(972) 371-5200	Date Logged In:	09/15/25 15:04	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

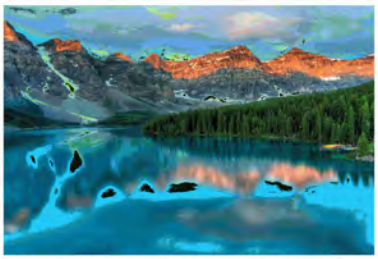
Signature of client authorizing changes to the COC or sample disposition.

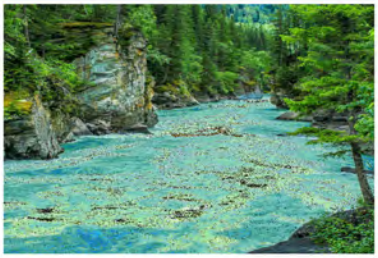
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Shinnery Oak SWD #001
Work Order:	E509157
Job Number:	23003-0002
Received:	9/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/22/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/22/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509157
Date Received: 9/16/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/22/25 15:06

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW02-0-0.5'	E509157-01A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW03-0-1'	E509157-02A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW04-0.5-1'	E509157-03A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW06-0.5-1'	E509157-04A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW07-0-1'	E509157-05A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW09-0-3'	E509157-06A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW10-0-3'	E509157-07A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW11-0-3'	E509157-08A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW12-0-3'	E509157-09A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW14-0-1'	E509157-10A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW16-0-1'	E509157-11A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW18-0-1'	E509157-12A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW20-0-1'	E509157-13A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SW21-0.5-1'	E509157-14A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW02-0-0.5'

E509157-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**6320**	100	5	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW03-0-1'

E509157-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	**81.9**	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*99.8 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**4350**	100	5	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW04-0.5-1'

E509157-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	**28.5**	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**1490**	40.0	2	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW06-0.5-1'

E509157-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	**162**	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	**132**	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*95.9 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**3440**	40.0	2	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW07-0-1'

E509157-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**3320**	40.0	2	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW09-0-3'

E509157-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**1650**	40.0	2	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW10-0-3'

E509157-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**4130**	40.0	2	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW11-0-3'

E509157-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**3480**	40.0	2	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW12-0-3'

E509157-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	**564**	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**4500**	100	5	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW14-0-1'

E509157-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	**65.4**	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**4150**	40.0	2	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW16-0-1'

E509157-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	**206**	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	**122**	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*98.5 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**5220**	100	5	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW18-0-1'

E509157-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	**228**	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	**134**	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**12900**	100	5	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW20-0-1'

E509157-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*99.8 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**2940**	40.0	2	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

SW21-0.5-1'

E509157-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	**147**	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538043
Chloride	**2020**	40.0	2	09/16/25	09/16/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538038-BLK1)									Prepared: 09/16/25 Analyzed: 09/17/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.81*		*8.00*		*97.6*	*70-130*			
LCS (2538038-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.92	0.0250	5.00		98.4	70-130			
Ethylbenzene	4.85	0.0250	5.00		97.0	70-130			
Toluene	4.90	0.0250	5.00		98.1	70-130			
o-Xylene	4.86	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.86	0.0500	10.0		98.6	70-130			
Total Xylenes	14.7	0.0250	15.0		98.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.36*		*8.00*		*92.1*	*70-130*			
Matrix Spike (2538038-MS1)				**Source: E509157-07**					Prepared: 09/16/25 Analyzed: 09/20/25
Benzene	5.12	0.0250	5.00	ND	102	70-130			
Ethylbenzene	5.02	0.0250	5.00	ND	100	70-130			
Toluene	5.08	0.0250	5.00	ND	102	70-130			
o-Xylene	5.02	0.0250	5.00	ND	100	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			
Matrix Spike Dup (2538038-MSD1)				**Source: E509157-07**					Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	5.79	0.0250	5.00	ND	116	70-130	12.2	27	
Ethylbenzene	5.71	0.0250	5.00	ND	114	70-130	12.9	26	
Toluene	5.77	0.0250	5.00	ND	115	70-130	12.6	20	
o-Xylene	5.70	0.0250	5.00	ND	114	70-130	12.7	25	
p,m-Xylene	11.6	0.0500	10.0	ND	116	70-130	12.7	23	
Total Xylenes	17.3	0.0250	15.0	ND	115	70-130	12.7	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.53*		*8.00*		*94.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538038-BLK1)									Prepared: 09/16/25 Analyzed: 09/17/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.62*		*8.00*		*108*	*70-130*			
LCS (2538038-BS2)									Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.05*		*8.00*		*113*	*70-130*			
Matrix Spike (2538038-MS2)				**Source: E509157-07**					Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.77*		*8.00*		*110*	*70-130*			
Matrix Spike Dup (2538038-MSD2)				**Source: E509157-07**					Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	56.2	20.0	50.0	ND	112	70-130	7.93	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.84*		*8.00*		*111*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538031-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.8*		*50.0*		*95.7*	*61-141*			
LCS (2538031-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: n-Nonane	*48.9*		*50.0*		*97.8*	*61-141*			
Matrix Spike (2538031-MS1)				**Source: E509157-04**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	551	25.0	250	162	155	56-156			
Surrogate: n-Nonane	*49.2*		*50.0*		*98.3*	*61-141*			
Matrix Spike Dup (2538031-MSD1)				**Source: E509157-04**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	506	25.0	250	162	137	56-156	8.53	20	
Surrogate: n-Nonane	*49.1*		*50.0*		*98.3*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:06:45PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538043-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	ND	20.0							
LCS (2538043-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2538043-MS1)				**Source: E509157-06**					Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	1860	40.0	250	1650	85.4	80-120			
Matrix Spike Dup (2538043-MSD1)				**Source: E509157-06**					Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	1760	40.0	250	1650	43.0	80-120	5.86	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/22/25 15:06

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509157	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Samle Temp	Remarks
1147	9/12/2025	S	1	SW02 - 0 - 0.5'		1									X			2.0	
1151	9/12/2025	S	1	SW03 - 0 - 1'		2									X			2.6	
1153	9/12/2025	S	1	SW04 - 0.5 - 1'		3									X			3.6	
1138	9/12/2025	S	1	SW06 - 0.5 - 1'		4									X			3.4	
1200	9/12/2025	S	1	SW07 - 0 - 1'		5									X			4.0	
1327	9/12/2025	S	1	SW09 - 0 - 3'		6									X			4.1	
1329	9/12/2025	S	1	SW10 - 0 - 3'		7									X			2.4	
1331	9/12/2025	S	1	SW11 - 0 - 3'		8									X			2.0	
1323	9/12/2025	S	1	SW12 - 0 - 3'		9									X			1.6	
1319	9/12/2025	S	1	SW14 - 0 - 1'		10									X			2.1	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9.15.25	711	Michelle Gonzales	9-15-25	0711
Michelle Gonzales	9-15-25	1430	Marissa Gonzales	9-15-25	1430
Marissa Gonzales	9-15-25	1830	Andrew Musso	9.15.25	1830
Andrew Musso	9.15.25	2300	Caitlin Mars	9.16.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E509157	Job Number 23003-0002	1D 2D 3D Std: X	NM: X CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	Samle Temp	Remarks
1256	9/12/2025	S	1	SW16 - 0 - 1'		11								X		2.8	
1258	9/12/2025	S	1	SW18 - 0 - 1'		12								X		2.4	
1259	9/12/2025	S	1	SW20 - 0 - 1'		13								X		3.6	
1324	9/12/2025	S	1	SW21 - 0.5 - 1'		14								X		3.4	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalezz@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9.15.25	711	Michelle Gonzales	9-15-25	0711
Michelle Gonzales	9-15-25	1430	Marissa Gonzales	9-15-25	1430
Marissa Gonzales	9-15-25	1830	Andrew Musso	9.15.25	1830
Andrew Musso	9.15.25	2300	Caitlin Mars	9.16.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/16/2025 9:13:46AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/16/25 07:30	Work Order ID:	E509157
Phone:	(972) 371-5200	Date Logged In:	09/15/25 15:35	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

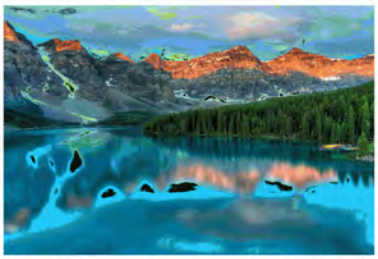
Signature of client authorizing changes to the COC or sample disposition.

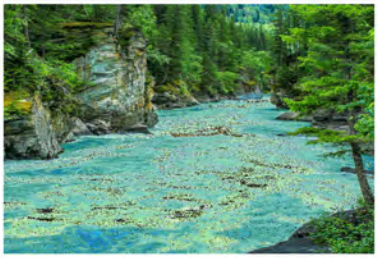
Date

envirotech Inc.

Report to:

Ashley Giovengo





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo Stebbins Water Management, LLC

Project Name:	Shinnery Oak SWD #001
Work Order:	E509338
Job Number:	23003-0002
Received:	10/1/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/7/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/7/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Shinnery Oak SWD #001
Workorder: E509338
Date Received: 10/1/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/1/2025 7:30:00AM, under the Project Name: Shinnery Oak SWD #001.

The analytical test results summarized in this report with the Project Name: Shinnery Oak SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/07/25 09:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS26-0.5'	E509338-01A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.
FS43-0.5'	E509338-02A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.
FS49-0'	E509338-03A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.
FS24-3'	E509338-04A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.
FS52-1'	E509338-05A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.
FS27-0.5'	E509338-06A	Soil	09/26/25	10/01/25	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:20:58AM

FS26-0.5'

E509338-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2540065
Benzene	ND	0.0250	1	10/01/25	10/01/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/01/25	
Toluene	ND	0.0250	1	10/01/25	10/01/25	
o-Xylene	ND	0.0250	1	10/01/25	10/01/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/01/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*113 %*	*70-130*	*10/01/25*	*10/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2540065
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*10/01/25*	*10/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2540058
Diesel Range Organics (C10-C28)	**34.3**	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/25	10/01/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*10/01/25*	*10/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2540076
Chloride	**933**	100	5	10/01/25	10/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:20:58AM

FS43-0.5'

E509338-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2540065
Benzene	ND	0.0250	1	10/01/25	10/01/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/01/25	
Toluene	ND	0.0250	1	10/01/25	10/01/25	
o-Xylene	ND	0.0250	1	10/01/25	10/01/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/01/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*113 %*	*70-130*	*10/01/25*	*10/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2540065
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*10/01/25*	*10/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2540058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/25	10/01/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*10/01/25*	*10/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2540076
Chloride	**3910**	100	5	10/01/25	10/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:20:58AM

FS49-0'

E509338-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2540065
Benzene	ND	0.0250	1	10/01/25	10/01/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/01/25	
Toluene	ND	0.0250	1	10/01/25	10/01/25	
o-Xylene	ND	0.0250	1	10/01/25	10/01/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/01/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*10/01/25*	*10/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2540065
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*10/01/25*	*10/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2540058
Diesel Range Organics (C10-C28)	**47.4**	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/25	10/01/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*10/01/25*	*10/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2540076
Chloride	**2410**	40.0	2	10/01/25	10/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:20:58AM

FS24-3'

E509338-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2540065
Benzene	ND	0.0250	1	10/01/25	10/01/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/01/25	
Toluene	ND	0.0250	1	10/01/25	10/01/25	
o-Xylene	ND	0.0250	1	10/01/25	10/01/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/01/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*113 %*	*70-130*	*10/01/25*	*10/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2540065
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*10/01/25*	*10/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2540058
Diesel Range Organics (C10-C28)	**72.4**	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/25	10/01/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*10/01/25*	*10/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2540076
Chloride	**2720**	40.0	2	10/01/25	10/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:20:58AM

FS52-1'

E509338-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2540065
Benzene	ND	0.0250	1	10/01/25	10/01/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/01/25	
Toluene	ND	0.0250	1	10/01/25	10/01/25	
o-Xylene	ND	0.0250	1	10/01/25	10/01/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/01/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*10/01/25*	*10/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2540065
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*70-130*	*10/01/25*	*10/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2540058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/25	10/01/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*10/01/25*	*10/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2540076
Chloride	**2700**	40.0	2	10/01/25	10/01/25	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:20:58AM

FS27-0.5'

E509338-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2540065
Benzene	ND	0.0250	1	10/01/25	10/01/25	
Ethylbenzene	ND	0.0250	1	10/01/25	10/01/25	
Toluene	ND	0.0250	1	10/01/25	10/01/25	
o-Xylene	ND	0.0250	1	10/01/25	10/01/25	
p,m-Xylene	ND	0.0500	1	10/01/25	10/01/25	
Total Xylenes	ND	0.0250	1	10/01/25	10/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*10/01/25*	*10/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2540065
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/25	10/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*70-130*	*10/01/25*	*10/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2540058
Diesel Range Organics (C10-C28)	**566**	25.0	1	10/01/25	10/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/25	10/01/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*10/01/25*	*10/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2540076
Chloride	**1120**	40.0	2	10/01/25	10/01/25	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:20:58AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2540065-BLK1)									Prepared: 10/01/25 Analyzed: 10/01/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*9.35*		*8.00*		*117*	*70-130*			
LCS (2540065-BS1)									Prepared: 10/01/25 Analyzed: 10/01/25
Benzene	4.62	0.0250	5.00		92.5	70-130			
Ethylbenzene	4.67	0.0250	5.00		93.3	70-130			
Toluene	4.61	0.0250	5.00		92.2	70-130			
o-Xylene	4.73	0.0250	5.00		94.6	70-130			
p,m-Xylene	9.47	0.0500	10.0		94.7	70-130			
Total Xylenes	14.2	0.0250	15.0		94.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.27*		*8.00*		*116*	*70-130*			
Matrix Spike (2540065-MS1)				**Source: E509337-02**					Prepared: 10/01/25 Analyzed: 10/01/25
Benzene	5.13	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.14	0.0250	5.00	ND	103	70-130			
Toluene	5.11	0.0250	5.00	ND	102	70-130			
o-Xylene	5.21	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.18*		*8.00*		*115*	*70-130*			
Matrix Spike Dup (2540065-MSD1)				**Source: E509337-02**					Prepared: 10/01/25 Analyzed: 10/01/25
Benzene	4.82	0.0250	5.00	ND	96.3	70-130	6.40	27	
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	70-130	6.03	26	
Toluene	4.80	0.0250	5.00	ND	96.0	70-130	6.34	20	
o-Xylene	4.90	0.0250	5.00	ND	98.1	70-130	6.13	25	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	70-130	6.04	23	
Total Xylenes	14.7	0.0250	15.0	ND	98.0	70-130	6.07	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.13*		*8.00*		*114*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:20:58AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2540065-BLK1)									Prepared: 10/01/25 Analyzed: 10/01/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.9*	*70-130*			
LCS (2540065-BS2)									Prepared: 10/01/25 Analyzed: 10/01/25
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		97.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.36*		*8.00*		*91.9*	*70-130*			
Matrix Spike (2540065-MS2)				**Source: E509337-02**					Prepared: 10/01/25 Analyzed: 10/01/25
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.30*		*8.00*		*91.3*	*70-130*			
Matrix Spike Dup (2540065-MSD2)				**Source: E509337-02**					Prepared: 10/01/25 Analyzed: 10/01/25
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.5	70-130	8.92	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.7*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:20:58AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2540058-BLK1)									Prepared: 10/01/25 Analyzed: 10/01/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*61-141*			
LCS (2540058-BS1)									Prepared: 10/01/25 Analyzed: 10/01/25
Diesel Range Organics (C10-C28)	253	25.0	250		101	66-144			
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*61-141*			
Matrix Spike (2540058-MS1)				**Source: E509338-05**					Prepared: 10/01/25 Analyzed: 10/01/25
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*61-141*			
Matrix Spike Dup (2540058-MSD1)				**Source: E509338-05**					Prepared: 10/01/25 Analyzed: 10/01/25
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	1.71	20	
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*61-141*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/7/2025 9:20:58AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2540076-BLK1)									Prepared: 10/01/25 Analyzed: 10/01/25
Chloride	ND	20.0							
LCS (2540076-BS1)									Prepared: 10/01/25 Analyzed: 10/01/25
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2540076-MS1)				**Source: E509338-03**					Prepared: 10/01/25 Analyzed: 10/01/25
Chloride	2710	40.0	250	2410	119	80-120			
Matrix Spike Dup (2540076-MSD1)				**Source: E509338-03**					Prepared: 10/01/25 Analyzed: 10/01/25
Chloride	2940	40.0	250	2410	212	80-120	8.28	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/07/25 09:20

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 12/5/2025 11:25:59 AM
Received by OCD: 11/17/2025 3:36:14 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E509338	1D 2D 3D Std	NM CO UT TX
Project Name: Shinnery Oak SWD #001	Address: 3122 National Parks Hwy	Job Number 23003.0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1011	9/28/25	S	1	FS26 - 0.5'		1									x			2.8	
1000				FS43 - 0.5'		2												2.6	
953				FS49 - 0'		3												2.4	
1101				FS24 - 3'		4												3.0	
1057				FS52 - 1'		5												32	
1239				FS27 - 0.5'		6												3.0	

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, usantillana@ensolum.com, akone@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Uriel Santillana

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9/29/25	700	Michelle Gonzales	9.30.25	0700
Michelle Gonzales	9.30.25	1500	Nathan Gonzales	9.30.25	1500
Nathan Gonzales	9.30.25	1940	Andrew Musso	9.30.25	1940
Andrew Musso	10.1.25	0115	Caitlin Mars	10.1.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: Y / N

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 10/1/2025 9:53:05AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	10/01/25 07:30	Work Order ID:	E509338
Phone:	(972) 371-5200	Date Logged In:	09/30/25 16:03	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/07/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

ENSOLUM

APPENDIX F

NMOCD Correspondence

From: Wells, Shelly, EMNRD
To: Ashley Giovengo; Jason Touchet; Arsenio Jones
Cc: Chad Hamilton; Cole Burton; Bilkis Moir; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Extension Request - San Mateo Stebbins Water Management, LLC - Shinnery Oak SWD 1 - Incident Number nAPP2500345021
Date: Wednesday, April 2, 2025 3:46:49 PM
Attachments: image001.png
image002.png
image003.png

[**EXTERNAL EMAIL**]

Good afternoon Ashley,

The extension request for NAPP2500345021 SHINNERY OAK SWD 1 is approved. The new due date to submit your updated remediation plan or closure report to the OCD is July 2, 2025. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Wednesday, April 2, 2025 2:43 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>
Cc: Chad Hamilton <chamilton@ensolum.com>; Cole Burton <cburton@ensolum.com>; Bilkis Moir <bmoir@ensolum.com>
Subject: [EXTERNAL] Extension Request - San Mateo Stebbins Water Management, LLC - Shinnery Oak SWD 1 - Incident Number nAPP2500345021

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

All,

San Mateo Stebbins Water Management, LLC (San Mateo) is requesting an extension for the current deadline of April 03, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Shinnery Oak SWD 1 (Site) (Incident Number nAPP2500345021). The release occurred on January 03, 2025, and approximately 1532 barrels (bbls) of crude oil and 383 bbls of produced water were released inside lined secondary containment; approximately 1532 bbls of crude oil and 245 bbls of produced water were recovered. An area approximately 937 square feet in size was impacted on-pad. Ensolum completed a liner integrity inspection on January 17, 2025, and six holes were identified inside the containment liner. Ensolum attempted vertical delineation sampling inside the lined secondary containment in three out of the six holes identified during the liner inspection with a backpack core drill to a terminal depth of 14 feet below ground surface (bgs). Ensolum hit refusal in BH01 at the terminal depth of 14 ft bgs and discrete delineation soil samples collected at that depth exceeded the strictest Closure Criteria per NMOCD Table I. San Matero will need to return to the Site in order to complete vertical delineation sampling in accordance with the strictest Closure Criteria and to complete a geotechnical karst survey for the Site. San Matero intends to complete a soil boring to establish depth to groundwater within a half-mile radius of the Site as soon as the geotechnical portion of the karst survey is completed. San Mateo intends to complete remediation of the subject matter release to the maximum extent possible (MEP) and to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. San Mateo respectfully requests a 90-day extension until July 02, 2025. Please let me know if you have any further questions regarding this site.

Thanks,

Ashley Giovengo
Senior Scientist
575-988-0055
Ensolum, LLC

“Your authenticity is your superpower.” – Unknown

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 416909

QUESTIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 416909
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Shinnery Oak SWD 1
Date Release Discovered	01/03/2025
Surface Owner	Federal

Incident Details *Please answer all the questions in this group.*	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Production Tank | Crude Oil | Released: 1,532 BBL | Recovered: 1,532 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Tank (Any) | Produced Water | Released: 383 BBL | Recovered: 246 BBL | Lost: 137 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 416909
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 416909
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☑	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☑	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☑	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
☑	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
☑	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 416909

CONDITIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 416909
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/3/2025

Impacted Soil
Saturated Soil (inches)
1.5
Area (sq. ft.)
1983
Standing fluids
inches of standing fluid
0
bbl estimate of standing fluids
barrels recovered (if known)
0
Soil type
pad caliche
Spill type
oil/produced water
Barrel estimate in soil
5.9
Barrel estimate (standing fluids/ recovered+in soil)
5.9

Impacted Soil
Saturated Soil (inches)
9
Area (sq. ft.)
6133
Standing fluids
inches of standing fluid
0
bbl estimate of standing fluids
barrels recovered (if known)
0
Soil type
pad caliche
Spill type
oil/produced water
Barrel estimate in soil
109.2
Barrel estimate (standing fluids/ recovered+in soil)
109.2

Impacted Soil
Saturated Soil (inches)
9
Area (sq. ft.)
1287
Standing fluids
inches of standing fluid
0
bbl estimate of standing fluids
barrels recovered (if known)
0
Soil type
pad caliche
Spill type
oil/produced water
Barrel estimate in soil
22.9
Barrel estimate (standing fluids/ recovered+in soil)
22.9

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 416935
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500345021**
Incident Name	**NAPP2500345021 SHINNERY OAK SWD 1 @ 30-015-20866**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Received**
Incident Well	**[30-015-20866] SHINNERY OAK FEDERAL SWD #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Shinnery Oak SWD 1
Date Release Discovered	01/03/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Production Tank | Crude Oil | Released: 1,532 BBL | Recovered: 1,532 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Tank (Any) | Produced Water | Released: 383 BBL | Recovered: 245 BBL | Lost: 138 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 416935
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 01/03/2025

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QUESTIONS (continued)

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 416935
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Action 416935

CONDITIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 416935
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	1/6/2025

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QUESTIONS

Action 420480

QUESTIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 420480
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500345021**
Incident Name	**NAPP2500345021 SHINNERY OAK SWD 1 @ 30-015-20866**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-20866] SHINNERY OAK FEDERAL SWD #001**

Location of Release Source	
Site Name	**Shinnery Oak SWD 1**
Date Release Discovered	**01/03/2025**
Surface Owner	**Federal**

Liner Inspection Event Information *Please answer all the questions in this group.*	
What is the liner inspection surface area in square feet	8,874
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	01/17/2025
Time liner inspection will commence	09:00 AM
Please provide any information necessary for observers to liner inspection	Tank Containment
Please provide any information necessary for navigation to liner inspection site	32.49261,-104.03392

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CONDITIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 420480
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	1/14/2025

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QUESTIONS

Action 495988

QUESTIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 495988
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500345021**
Incident Name	**NAPP2500345021 SHINNERY OAK SWD 1 @ 30-015-20866**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-015-20866] SHINNERY OAK FEDERAL SWD #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SHINNERY OAK SWD 1
Date Release Discovered	01/03/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Production Tank | Crude Oil | Released: 1,532 BBL | Recovered: 1,532 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Tank (Any) | Produced Water | Released: 383 BBL | Recovered: 245 BBL | Lost: 138 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 495988
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 08/14/2025

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QUESTIONS (continued)

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 495988
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission		Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	17700
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	28158
GRO+DRO	(EPA SW-846 Method 8015M)	20458
BTEX	(EPA SW-846 Method 8021B or 8260B)	149
Benzene	(EPA SW-846 Method 8021B or 8260B)	5
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		09/01/2025
On what date will (or did) the final sampling or liner inspection occur		04/22/2025
On what date will (or was) the remediation complete(d)		10/31/2025
What is the estimated surface area (in square feet) that will be reclaimed		0
What is the estimated volume (in cubic yards) that will be reclaimed		0
What is the estimated surface area (in square feet) that will be remediated		10155
What is the estimated volume (in cubic yards) that will be remediated		283
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

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QUESTIONS (continued)

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 495988
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	*Not answered.*
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land Disposal
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 08/14/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 495988
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 495988
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	*{Unavailable.}*

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 495988
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved. Submit remediation closure report to the OCD by 11/17/2025.	8/19/2025

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QUESTIONS

Action 501944

QUESTIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 501944
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500345021**
Incident Name	**NAPP2500345021 SHINNERY OAK SWD 1 @ 30-015-20866**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-20866] SHINNERY OAK FEDERAL SWD #001**

Location of Release Source	
Site Name	**SHINNERY OAK SWD 1**
Date Release Discovered	**01/03/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	12,750
What is the estimated number of samples that will be gathered	75
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/08/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.49261,-104.03392

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CONDITIONS

Operator:	OGRID:
San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	328762
	Action Number: 501944
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/2/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/2/2025

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QUESTIONS

Action 501956

QUESTIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 501956
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500345021**
Incident Name	**NAPP2500345021 SHINNERY OAK SWD 1 @ 30-015-20866**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-20866] SHINNERY OAK FEDERAL SWD #001**

Location of Release Source	
Site Name	**SHINNERY OAK SWD 1**
Date Release Discovered	**01/03/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	12,750
What is the estimated number of samples that will be gathered	75
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/09/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.49261,-104.03392

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	328762
	Action Number: 501956
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/2/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/2/2025

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 501960

QUESTIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 501960
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500345021**
Incident Name	**NAPP2500345021 SHINNERY OAK SWD 1 @ 30-015-20866**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-20866] SHINNERY OAK FEDERAL SWD #001**

Location of Release Source	
Site Name	**SHINNERY OAK SWD 1**
Date Release Discovered	**01/03/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	12,750
What is the estimated number of samples that will be gathered	75
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/10/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.49261,-104.03392

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Phone: (505) 476-3441

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	328762
	Action Number: 501960
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/2/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/2/2025

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 501981

QUESTIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 501981
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500345021**
Incident Name	**NAPP2500345021 SHINNERY OAK SWD 1 @ 30-015-20866**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-20866] SHINNERY OAK FEDERAL SWD #001**

Location of Release Source	
Site Name	**SHINNERY OAK SWD 1**
Date Release Discovered	**01/03/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	12,750
What is the estimated number of samples that will be gathered	75
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/11/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.49261,-104.03392

Sante Fe Main Office
Phone: (505) 476-3441

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Phone: (505) 629-6116

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	328762
	Action Number: 501981
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/2/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/2/2025

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 501988

QUESTIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 501988
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500345021**
Incident Name	**NAPP2500345021 SHINNERY OAK SWD 1 @ 30-015-20866**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-20866] SHINNERY OAK FEDERAL SWD #001**

Location of Release Source	
Site Name	**SHINNERY OAK SWD 1**
Date Release Discovered	**01/03/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	12,750
What is the estimated number of samples that will be gathered	75
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/12/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.49261,-104.03392

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 501988
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/2/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/2/2025

Sante Fe Main Office
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 501991

QUESTIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 501991
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500345021**
Incident Name	**NAPP2500345021 SHINNERY OAK SWD 1 @ 30-015-20866**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-20866] SHINNERY OAK FEDERAL SWD #001**

Location of Release Source	
Site Name	**SHINNERY OAK SWD 1**
Date Release Discovered	**01/03/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	12,750
What is the estimated number of samples that will be gathered	75
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/15/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.49261,-104.03392

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 501991
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/2/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/2/2025

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Phone: (505) 476-3441

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Oil Conservation Division
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QUESTIONS

Operator: San Mateo Stateline Water Management Company, 5400 LBJ FREEWAY DALLAS, TX 75240	OGRID: 328484
	Action Number: 508575
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500345021**
Incident Name	**NAPP2500345021 SHINNERY OAK SWD 1 @ 30-015-20866**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-20866] SHINNERY OAK FEDERAL SWD #001**

Location of Release Source	
Site Name	**SHINNERY OAK SWD 1**
Date Release Discovered	**01/03/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,000
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/26/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Uriel Santillana @ (5915) 337-7166
Please provide any information necessary for navigation to sampling site	32.49261,-104.03392

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: San Mateo Stateline Water Management Company, 5400 LBJ FREEWAY DALLAS, TX 75240	OGRID: 328484
	Action Number: 508575
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/23/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/23/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 508600

QUESTIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 508600
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500345021**
Incident Name	**NAPP2500345021 SHINNERY OAK SWD 1 @ 30-015-20866**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-20866] SHINNERY OAK FEDERAL SWD #001**

Location of Release Source	
Site Name	**SHINNERY OAK SWD 1**
Date Release Discovered	**01/03/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,000
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/26/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Uriel Santillana @ (5915) 337-7166
Please provide any information necessary for navigation to sampling site	32.49261,-104.03392

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	328762
	Action Number: 508600
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/23/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/23/2025

From: Dan Moir
To: Wells, Shelly, EMNRD
Cc: Ashley Giovengo; Chad Hamilton
Subject: [EXTERNAL] RE: nAPP2500345021 SHINNERY OAK SWD 1
Date: Friday, December 5, 2025 8:51:44 AM
Attachments: image001.png
20250912 fieldNotes JM.pdf

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

Good Morning Shelly,

Thanks for reaching out regarding your questions for the Shinnery Oak SWD 1 release. Below are responses to your questions. If you have any more questions or would like additional information, please feel to reach out to me.

According to Figure 3, SW12 is shown in the northern part of the excavation, north of the 3' excavation. Is that it's true location?

Sidewall sample SW12 is located correctly within the excavation. The depths of soil sampled should have bee 0.5 feet to 1-foot bgs as presented in the field notes attached, but since the chain-of-custody was prepared on the computer, there was a mistake of a click-and-drag for sample names but the depths were not corrected. As such, the sample is in the correct location and for the correct depths from 0.5 feet to 1-foot bgs as represented by surrounding floor samples and demarcation lines of depths in the excavation in Figure 3.

In addition, shown on Figure 2 are SS01A, SS01B, SS01C, SS02A, SS06A, SS06B, SS06C. No data appears for them in Table I. Do you have the laboratory results for these sample points?

We have the analytical data for these seven lateral delineation locations on Table 1 (see below). The analytical results for each location are included in lab reports in the appendix. I have included the sample name and pdf page number for your reference:

Sample ID	Pdf page Number
SS01A	437 & 438
SS01B	454
SS01C	466
SS02A	439 & 440
SS06A	479
SS06B	490
SS06C	502

These samples were collected after we found lateral samples that met the strictest Closure Criteria, which happened to be outside of the 1-3 foot distance the NMOCD prefers. Since the lateral delineation samples extended further on the well pad, these additional samples were collected to document the lack of impacted soil, but present waste-containing soil that will be addressed at the time of pad reclamation since these areas are within active production activities.

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Shinnery Oak SWD 1
San Mateo Stebbins Water Management, LLC
Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS01	4/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	541
SS01	4/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS01A	9/8/2025	0	<0.0250	<0.0500	<20.0	162	246.0	162	<50.0	1,760
SS01A	9/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,070
SS01B	10/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,540
SS01C	10/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,910
SS02	4/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.2
SS02	4/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	169
SS02A	9/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,290
SS02A	9/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	544
SS02B	1/9/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	61.1
SS02B	1/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	240
SS03	1/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,820
SS03	1/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	344
SS03A	1/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS003A	1/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	1/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.4
SS04	1/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	1/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.3
SS05	1/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	4/22/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	264
SS06	4/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	90.2
SS06A	10/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,730
SS06B	10/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,720
SS06C	10/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	717

There was just one more thing I forgot to ask about…I noticed that FS24 had GRO + DRO 1,190mg/kg at 3' depth on 9/9/25. It does not show that it was over-excavated. What was done to remove TPH impacts as the next sample collected was collected at same depth but had GRO + DRO of 72.4 mg/kg?

Light-end hydrocarbons, specifically TPH-GRO, made up the total GRO+DRO concentration. The area had a light scrape (2-3 inches) and with the photo-oxidation of soil remaining in place for about three weeks, the composite location was resampled with results indicated the remediation of residual hydrocarbons was effective. Since the depth of scrape was minimal, the composite floor sample depth was left at 3 feet bgs. As you can see with the variable chloride concentrations with the two samples, composite samples are taken in variable locations and wherever there is discoloration/staining, wet soil or other indicators of impacts and can yield different results, but are still representative of soil in place in those 200 square-foot areas.

Based on the actions taken by Matador at this Site to remediate gross impacts to the MEP and the answers I have provided above, we believe requirements for deferral have been met for this Site. If you would like to talk more about this Site before you finalize your review, please reach out.

Thanks,

Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist
303-887-2946

Ensolum, LLC

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, December 5, 2025 12:41 AM
To: Dan Moir <dmoir@ensolum.com>
Subject: RE: nAPP2500345021 SHINNERY OAK SWD 1

[**EXTERNAL EMAIL**]

Hi Dan,

There was just one more thing I forgot to ask about…I noticed that FS24 had GRO + DRO 1,190mg/kg at 3' depth on 9/9/25. It does not show that it was over-excavated. What was done to remove TPH impacts as the next sample collected was collected at same depth but had GRO + DRO of 72.4 mg/kg?

Thanks,

Shelly

From: Wells, Shelly, EMNRD
Sent: Thursday, December 4, 2025 4:38 PM
To: Dan Moir <dmoir@ensolum.com>
Subject: nAPP2500345021 SHINNERY OAK SWD 1

Hi Dan,

I am reviewing the submitted remediation closure report for nAPP2500345021 SHINNERY OAK SWD 1 and have some questions for you. According to Figure 3, SW12 is shown in the northern part of the excavation, north of the 3' excavation. Is that it's true location?
In addition, shown on Figure 2 are SS01A, SS01B, SS01C, SS02A, SS06A, SS06B, SS06C. No data appears for them in Table I. Do you have the laboratory results for these sample points?

I appreciate hearing back from you when you have the time,

Shelly

Shelly Wells * Senior Environmental Scientist
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

Received by OCD: 11/17/2025 3:36:14 PM

20250912 fieldNotes JM

Friday, September 12, 2025 8:13 AM

SoSJM — Shinnery Oak SWD #001 — 09-12-25

32.4926, -104.0339 — 71-91°F 10% — 20 mph ↖

Confirmation Sampling

0730 site prep + load truck + paperwork

0845 depart shop for site

0920 arrive @ site

0930 Complete JSA

1015 Calibrate PetroFlag B=0, C=1,000

1555 complete field screening + jarring samples

1615 depart site for shop

1645 arrive @ shop

SM	D	T	Cl⁻	TPH	QT (AS137A LR)
SW01	0-1'	0945	711		3.6
SW13	0-1'	0950	347	56	2.4
SW15	0-1'	0952	398	52	2.6
SW17	0-1'	0954	347	70	2.4
SW19	0-0.5'	0956	297	48	2.2
SW01	0-1'	1042	398	76	2.6
SW02	0-0.5'	1147	6,423	176	5.2 (AS137A HR)
SW03	0-1'	1151	5,001	207	4.6
SW04	0.5-1'	1153	4,586	120	4.4
SW05	0-0.5'	1155	7,560	477	5.6
SW06	0-1'	1158	3,511	449	3.8
SW14	0-1'	1255	11,284		6.6
SW16	↓	1256	5,914	220	5.0
SW18	↓	1258	5,001	350	4.6
SW20	0-1'	1259	3,198	54	3.6
SW14	0-1'	1319	5,443	161	4.8
SW09	0-3'	1327	1,708	70	2.4
SW10	0-3'	1329	5443	37	4.8
SW11	0-3'	1331	3,511	172	3.8
SW12	0.5-1'	1328	4,586	610	4.4
SW21	0.5-1'	1324	<1,706	176	2.0
SW08	0-0.5'	1422	7,560	270	5.6
FS64	1'	1425	<1,708	235	1.8
FS65	1'	1427	<1,708	272	1.2
SW07	0-1'	1300	3,198	54	3.6

Released to Imaging: 12/5/2025 11:25:59 AM

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 527324

QUESTIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 527324
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500345021**
Incident Name	**NAPP2500345021 SHINNERY OAK SWD 1 @ 30-015-20866**
Incident Type	**Oil Release**
Incident Status	**Deferral Request Received**
Incident Well	**[30-015-20866] SHINNERY OAK FEDERAL SWD #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SHINNERY OAK SWD 1
Date Release Discovered	01/03/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Production Tank | Crude Oil | Released: 1,532 BBL | Recovered: 1,532 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Tank (Any) | Produced Water | Released: 383 BBL | Recovered: 245 BBL | Lost: 138 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 527324
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 11/17/2025

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QUESTIONS (continued)

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 527324
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission		Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	17700
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	28158
GRO+DRO	(EPA SW-846 Method 8015M)	20458
BTEX	(EPA SW-846 Method 8021B or 8260B)	149
Benzene	(EPA SW-846 Method 8021B or 8260B)	5
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		09/08/2025
On what date will (or did) the final sampling or liner inspection occur		09/26/2025
On what date will (or was) the remediation complete(d)		09/26/2025
What is the estimated surface area (in square feet) that will be reclaimed		1000
What is the estimated volume (in cubic yards) that will be reclaimed		55
What is the estimated surface area (in square feet) that will be remediated		12676
What is the estimated volume (in cubic yards) that will be remediated		382
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

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QUESTIONS (continued)

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 527324
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	*Not answered.*
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	No
OR is the **off-site** disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land Disposal
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 11/17/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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	Action Number: 527324
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The Deferral area is directly below lined Storage tanks process piping containment.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	5508
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	204
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	*Not answered.*
Enter the well API (30-) on which this deferral should be granted	30-015-20866 SHINNERY OAK FEDERAL SWD #001
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 11/17/2025

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QUESTIONS (continued)

Operator:	OGRID:
San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	328762
	Action Number: 527324
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**508600**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**09/26/2025**
What was the (estimated) number of samples that were to be gathered	**5**
What was the sampling surface area in square feet	**1000**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 527324

CONDITIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 527324
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of BH03, BH04, and BH07 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	12/5/2025