



August 14, 2025

**New Mexico Oil Conservation Division**

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

**Re: Revised Remediation Work Plan  
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 *Revised Remediation Work Plan* (RRWP) to document assessment and soil sampling activities performed at the Shinnery Oak SWD 1 (Site). The purpose of the Site assessment and soil sampling activities was to address impacted and waste-containing soil resulting from a crude oil and produced water release. San Mateo is submitting this *RRWP*, describing analytical results from soil sampling and karst survey activities associated with Incident Number nAPP2500345021 and proposing to address the current sensitive Site receptor (depth to water ground water) of the subject matter release prior to beginning excavation activities and prior to submitting a *Closure or Deferral Request*.

The original *Remediation Work Plan*, dated June 17, 2025, was denied by the New Mexico Oil Conservation Division (NMOCD) on June 25, 2025, for the following reasons:

- **1) A detailed description of remediation measures should be included per 19.15.29.12(C) NMAC. Nothing regarding the liner is mentioned including the liner inspection that was conducted on 1/17/25. If liner was deficient state so and address what is being done to remedy this.**
- **2) Ensure lateral delineation completed west of BH08 on the west side of tank battery where contaminants left containment.**
- **3) Photos 37 and 38 show holes being cut in the liner for BH01 and BH02 but on Figure 2 the locations of BH01 and BH02 are shown outside of tank battery. Update Figure or explain.**
- **4) Chain of custody for samples collected on 1/20/25 on pg. 159 has every sample number crossed out and replaced with another. Explain what happened here.**
- **5) Referring to Figure 2, you have SS04 listed in two different locations. Update.**
- **6) On pg. 3 you say the karst survey was commissioned March 3, 2024. Did you mean 2025? Update.**
- **7) Under the Site Characterization portion of the C-141 application, the minimum distances to the following are incorrect and should be updated upon application resubmittal: any lakebed, sinkhole, or playa lake (½-1 mile S) and a wetland (1000 ft-1 1/2 mile SE).**
- **Resubmit remediation plan to the OCD by 8/25/25.**

This RRWP addresses concerns held by the NMOCD and proposes to complete sensitive receptor assessments and complete excavation of impacted soil based on the final outcome of the sensitive receptor assessments.

## BACKGROUND

The Site is located in Unit I, Section 12, Township 21 South, Range 28 East, 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, an equipment failure resulted in the release of approximately 1,532 barrels (bbls) of crude oil and 383 bbls of produced water into a lined secondary containment and onto the pad surface; 1,532 bbls of crude oil and 245 of produced water were recovered, 138 bbls of produced water were unrecoverable. San Mateo reported the release to the NMOCD via the NMOCD portal 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.

## SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Site Assessment/Characterization is described below. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 322850104014201, located approximately 4,618 feet southeast of the Site. The well had a reported depth to groundwater of 135.86 below ground surface (bgs) (measured on February 23, 2021) and a total depth of 160 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, known karst features, wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is 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 and as such, San Mateo respectfully requests the medium karst potential not be considered as a sensitive Site receptor.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

## SITE ASSESSMENT AND DELINEATION SOIL SAMPLING 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 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 a Geoprobe® 7822DT 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 Geoprobe® 7822DT direct-push technology (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 Geoprobe® 7822DT 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.

All delineation soil samples were field screened for chloride and TPH utilizing Hach® chloride QuanTab® test strips and a PetroFLAG® Soil Analyzer System, respectively. 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 chemicals of concern (COCs): BTEX following United States

Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (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 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 indicated:

- All COC concentrations for lateral delineation soil samples SS01, SS02B, SS03A, and SS04 through SS11 were all in compliance with the strictest Closure Criteria at ground surface.
- COCs within soil from borehole BH01 were in compliance with the strictest Closure Criteria at 25 feet bgs.
- Boreholes BH02 and BH07 were in compliance with the strictest Closure Criteria at 15 feet bgs.
- Borehole BH04 was in compliance with the strictest Closure Criteria at 14 feet bgs.
- Borehole BH03 contained concentrations of TPH in soil exceeded the Site Closure Criteria at ground surface and concentrations of chloride exceeded in soil the Site Closure Criteria from ground surface to 1.5 feet bgs.
- Borehole BH05 contained concentrations of chloride exceeding the Site Closure Criteria from ground surface to 1-foot bgs.
- Borehole BH06 contained concentrations of chloride exceeding the Site Closure Criteria from ground surface to 7 feet bgs.
- Boreholes BH08 and BH10 were in compliance with the strictest Closure Criteria at 3 feet bgs;
- Borehole BH09 was in compliance with the strictest Closure Criteria at ground surface.
- Boreholes BH11 and BH12 contained concentrations of chloride exceeding the Site Closure Criteria from ground surface to 57.5 feet bgs.

Laboratory results are summarized in Table 1 and laboratory analytical reports are included in Appendix E.



## PROPOSED REMEDIATION WORK PLAN

San Mateo proposes to complete excavation activities at the Site according to the following actions:

- San Mateo intends to complete a depth to water soil boring to establish depth to groundwater within a 1/2-mile radius of the Site. The soil boring will be advanced to a depth of approximately 101 feet bgs and install temporary casing. The soil boring will be left open for at least 72 hours to allow for potential ground water to equilibrate within the casing and measured utilizing a water interface probe.
- Upon completion of the depth to water boring and confirmation groundwater beneath the Site is greater than 51 feet bgs or greater than 101 feet bgs, excavate impacted and waste containing soil to a depth determined by the re-evaluated Site Closure Criteria based solely on determination of depth to groundwater and the absence of any other sensitive receptor related to the Site. San Mateo believes these actions will be equally protective of human health, the environment, and groundwater.
- The excavation will be completed with mechanical equipment, and the proposed excavation extent and depths are depicted on Figures 3a and 3b. Figure 3a depicts the proposed excavation extent if no sensitive Site receptors are associated with the Site and depth to groundwater is greater than 51 feet bgs. Figure 3b depicts the proposed excavation extent if sensitive Site receptors are found at the Site (groundwater depth less than 50 feet bgs), utilizing the strictest Closure Criteria.
- The impacted areas range from 48 square feet (sq ft) to 9,013 sq ft in size and an estimated 283 cubic yards of impacted soil will require excavation, assuming no sensitive receptors are associated with the Site and depth to groundwater is confirmed to be greater than 101 feet bgs, respectively. This work will include addressing TPH impacts and waste containing soil identified in boreholes BH01, BH02, and BH010 through BH12 at ground surface, see Figure 2.
- Impacted soil and waste containing soil will be transferred to an approved landfill facility for disposal.
- Following the removal of impacted and waste containing soil, Ensolum personnel will collect 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 will be collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. The excavation soil samples will be collected, handled, and analyzed following the same procedures as described above.
- The excavation will be backfilled and recontoured to match pre-existing conditions.
- Delineation soil sample locations BH11 and BH12 will be advanced to vertically delineate to the strictest Closure Criteria.
- If there are areas to be deferred on pad due to the presence of equipment and/or pipelines, such as those under the lined secondary containment, lateral delineation samples will be collected to properly quantify the residual soil impacts that will be addressed during major Site reconstruction or following plugging and abandonment of the well and reclamation of the well pad.

Matador believes the deficiencies identified by NMOCD in the June 25, 2025, denial have been adequately addressed in this RRWP and will be protective of human health, the environment, and groundwater. Matador will complete the proposed excavation and soil sampling activities within 180 days of the date of approval of this RRWP by the NMOCD.

San Mateo Stebbins Water Management, LLC  
Revised Remediation Work Plan  
Shinnery Oak SWD 1



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

Sincerely,  
**Ensolum, LLC**

A handwritten signature in black ink, appearing to read "Chad Hamilton", with a stylized, sweeping flourish at the end.

Chad Hamilton  
Project Geologist

A handwritten signature in black ink, appearing to read "Daniel R. Moir", with a large, rounded loop at the end.

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

cc: Jason Touchet, San Mateo Stebbins Water Management, LLC

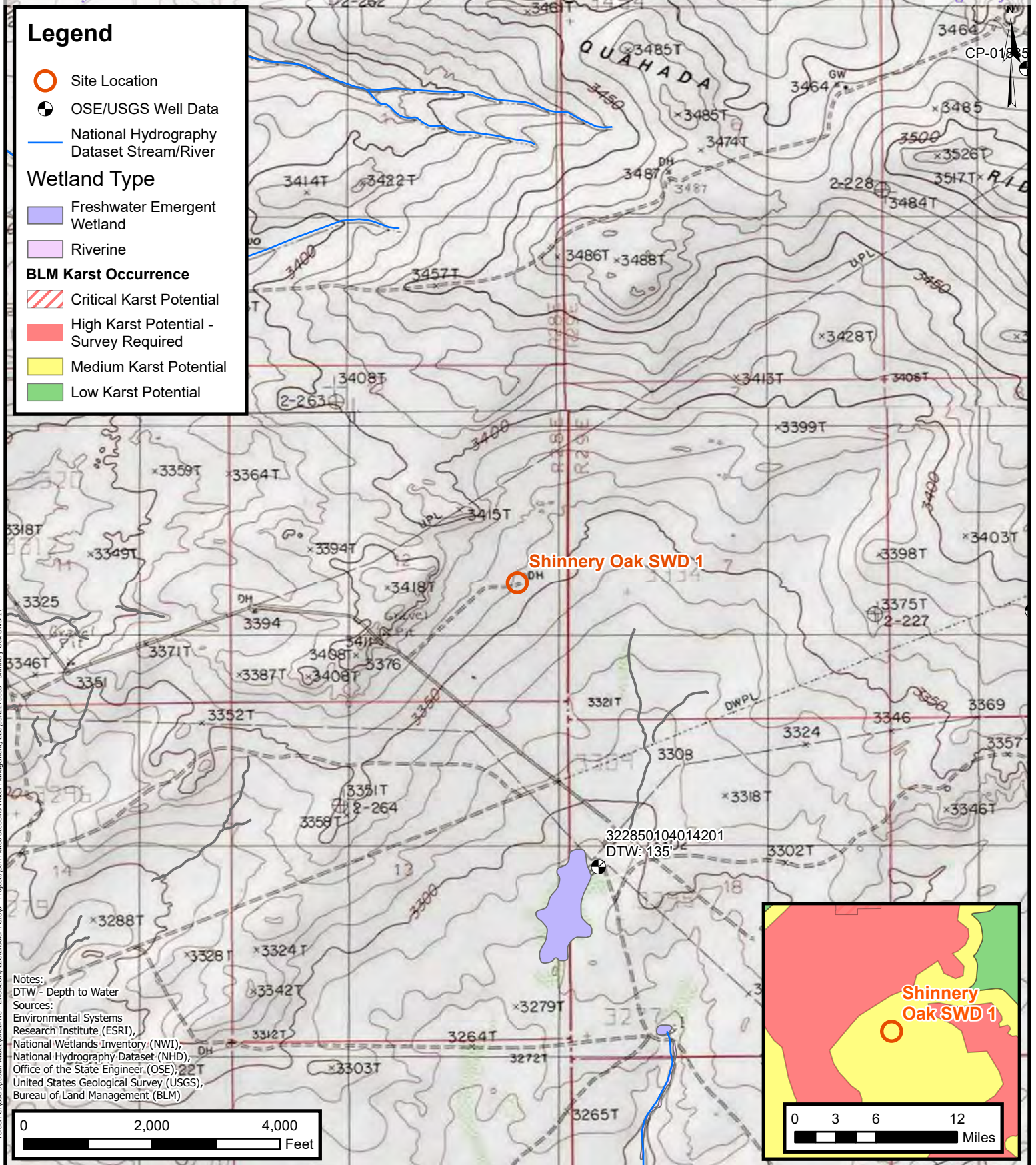
**Appendices:**

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Proposed Excavation Extent
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Appendix A	Well Log and Record
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



FIGURES







**Legend**

- ▲ Site Location
- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Electric Utility Line
- Water Utility Line
- Release Extent
- Lined Containment

BH11@0'  
BH11@2'  
BH11@3'  
BH11@5'  
BH11@7'  
BH11@9'  
BH11@11'  
BH11@12'  
BH11@13'  
BH11@15'  
BH11@20'  
BH11@25'  
BH11@30'  
BH11@35'  
BH11@40'  
BH11@47.5'  
BH11@57.5'

SS05@0'  
SS05@1'

BH12@0'  
BH12@2'  
BH12@4'  
BH12@6'  
BH12@8'  
BH12@10'  
BH12@11'  
BH12@12'  
BH12@13'  
BH12@15'  
BH12@20'  
BH12@25'  
BH12@30'  
BH12@35'  
BH12@40'  
BH12@50'  
BH12@57.5'

SS07@0'  
SS07@1'

BH06@0'  
BH06@2'  
BH06@4'  
BH06@5.5'  
BH06@6'  
BH06@7'

BH08@0'  
BH08@1'  
BH08@3'

BH07@0'  
BH07@2'  
BH07@4'  
BH07@5.5'  
BH07@7'  
BH07@8'  
BH07@9'  
BH07@9'  
BH07@11'  
BH07@13'  
BH07@15'

BH01@0'  
BH01@2'  
BH01@2.75'  
BH01@4'  
BH01@6'  
BH01@8'  
BH01@10'  
BH01@13'  
BH01@14'  
BH01@14'  
BH01@16'  
BH01@18'  
BH01@20'  
BH01@25'  
BH01@30'  
BH01@35'

SS06@0'  
SS06@1'

SS09@0'  
SS09@1'

SS11@0'  
SS11@1'

SS04@0'  
SS04@1'

BH10@0'  
BH10@2'  
BH10@3'

BH05@0'  
BH05@1'

BH03@0'  
BH03@1'  
BH03@1.5'

SS08@0'  
SS08@1'

BH09@0'  
BH09@1'  
SS03@0'  
SS03@1'  
SS03A@0'  
SS03A@1'

BH02@0'  
BH02@2'  
BH02@3'  
BH02@5'  
BH02@7'  
BH02@9'  
BH02@11'  
BH02@13'  
BH02@15'

SS02B@0'  
SS02B@1'

SS02@0'  
SS02@1'

BH04@0'  
BH04@1'  
BH04@3'  
BH04@5'  
BH04@6'  
BH04@8'  
BH04@10'  
BH04@12'  
BH04@14'

SS01@0'  
SS01@1'

Notes:  
Sample ID @ Depth Below Ground Surface.  
Samples in bold indicate sample exceeded applicable closure criteria.  
Exceedances are based on the strictest Closure Criteria.

0 27.5 55 110  
Feet

Sources: Environmental Systems Research Institute (ESRI)

## 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





**Legend**

- Electric Utility Line
- Water Utility Line
- Proposed Excavation  
Extent Based on Closure  
Criteria Reflective of  
Depth to Groundwater  
Greater Than 101 feet  
bgs



0 25 50 100  
Feet

Sources: Environmental Systems Research Institute (ESRI)



## Proposed Excavation Extent

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**

**3a**



**Legend**

-  Electric Utility Line
-  Water Utility Line
-  Excavation Extent Based on Strictest Closure Criteria



0 25 50 100  
Feet

Sources: Environmental Systems Research Institute (ESRI)



## Proposed Excavation Extent

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**  
**3b**



TABLES



**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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Delineation Soil Samples</b>										
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
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
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	<b>2,820</b>
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
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
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
BH01	1/13/2025	0	<0.0250	<0.0500	<20.0	1,830	584	<b>1,830</b>	<b>2,414</b>	<b>4,740</b>
BH01	1/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,020</b>
BH01	1/21/2025	2.75	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,500</b>
BH01	1/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,840</b>
BH01	1/28/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,940</b>



**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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Delineation Soil Samples</b>										
BH01	1/28/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,310</b>
BH01	1/28/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,140</b>
BH01	1/28/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,820</b>
BH01	1/28/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,320</b>
BH01	1/28/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,320</b>
BH01	4/17/2025	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,060</b>
BH01	4/17/2025	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,100</b>
BH01	4/17/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>795</b>
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	<b>146</b>	<b>201</b>	<b>6,950</b>
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	<b>1,420</b>
BH02	4/17/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,170</b>
BH02	4/17/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>860</b>
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	<b>624</b>
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	<b>3,702</b>	<b>4,912</b>	<b>9,270</b>
BH03	1/17/2025	1	0.0255	0.0530	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,450</b>
BH03	1/17/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,800</b>
BH04	1/17/2025	0	5.01	<b>148.71</b>	720	15,600	4,680	<b>16,320</b>	<b>21,000</b>	<b>1,410</b>
BH04	1/17/2025	1	0.0642	0.559	<20.0	445	146	445	<b>591</b>	409
BH04	1/20/2025	3	<0.0250	0.0517	<20.0	53.0	<50.0	53.0	53.0	<b>874</b>
BH04	1/20/2025	5	<0.0250	<0.0500	<20.0	240	141	240	<b>381</b>	<b>1,110</b>
BH04	1/24/2025	6	<0.0250	<0.0500	<20.0	35	<50.0	35.2	35.2	<b>1,310</b>
BH04	4/17/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,150</b>
BH04	4/17/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>925</b>
BH04	4/17/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,520</b>
BH04	4/17/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	432





**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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Delineation Soil Samples</b>										
BH05	1/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,710</b>
BH05	1/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>5,330</b>
BH06	1/17/2025	0	<0.0250	0.0539	<20.0	<25.0	<50.0	<25.0	<50.0	<b>6,560</b>
BH06	1/17/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>993</b>
BH06	1/17/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,710</b>
BH06	1/20/2025	5.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,390</b>
BH06	1/24/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,440</b>
BH06	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,090</b>
BH07	1/17/2025	0	1.88	16.7	152	2,350	798	<b>2,502</b>	<b>3,300</b>	<b>995</b>
BH07	1/17/2025	2	<0.0250	0.054	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,870</b>
BH07	1/17/2025	4	<0.0250	0.054	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,180</b>
BH07	1/20/2025	5.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,440</b>
BH07	1/24/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,230</b>
BH07	1/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>992</b>
BH07	1/24/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>703</b>
BH07	4/17/2025	9	<0.0250	<0.0500	<20.0	178	53.7	<b>178</b>	<b>232</b>	<b>2,540</b>
BH07	4/17/2025	11	<0.0250	<0.0500	<20.0	221	78.4	<b>221</b>	<b>299</b>	<b>2,790</b>
BH07	4/17/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>642</b>
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	<b>348</b>	<b>491</b>	<b>6,330</b>
BH08	1/17/2025	1	0.0313	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,980</b>
BH08	1/17/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	499
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	<b>20,458</b>	<b>28,158</b>	<b>7,090</b>
BH10	1/21/2025	2	<0.0250	0.429	<20.0	117	84	<b>117</b>	<b>201</b>	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	<b>6,080</b>	<b>6,137</b>	<b>1,190</b>
BH11	1/21/2025	3	<0.0250	<0.0500	<20.0	550	<50.0	<b>550</b>	<b>550</b>	<b>1,670</b>
BH11	1/29/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,480</b>



**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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Delineation Soil Samples</b>										
BH11	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>983</b>
BH11	1/29/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,580</b>
BH11	1/29/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,910</b>
BH11	1/29/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,710</b>
BH11	1/29/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,860</b>
BH11	4/21/2025	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,360</b>
BH11	4/21/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,480</b>
BH11	4/21/2025	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,280</b>
BH11	4/21/2025	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,350</b>
BH11	4/21/2025	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,770</b>
BH11	4/21/2025	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,500</b>
BH11	4/21/2025	47.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,210</b>
BH11	4/22/2025	57.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>830</b>
BH12	1/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>17,700</b>
BH12	1/21/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>4,550</b>
BH12	1/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>5,070</b>
BH12	1/29/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>4,010</b>
BH12	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,320</b>
BH12	1/29/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,330</b>
BH12	1/29/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,280</b>
BH12	1/29/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,070</b>
BH12	1/29/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,400</b>
BH12	4/21/2025	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,710</b>
BH12	4/21/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,820</b>
BH12	4/21/2025	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,080</b>
BH12	4/21/2025	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,660</b>



<b>TABLE 1 - CONT'D</b> <b>SOIL SAMPLE ANALYTICAL RESULTS</b> 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	4/21/2025	35	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>2,340</b>
BH12	4/22/2025	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,210</b>
BH12	4/22/2025	50	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,900</b>
BH12	4/22/2025	57.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,680</b>

**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

&lt;: Laboratory Analytical result is less than reporting limit

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

\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



## APPENDIX A

### Well Log and Record

---



USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

USGS Water Resources

Data Category:  Geographic Area:

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

**i** Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 322850104014201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 322850104014201 21S.29E.18.13320

Eddy County, New Mexico

Latitude 32°28'49.33", Longitude 104°01'47.78" NAD83

Land-surface elevation 3,289 feet above NAVD88

The depth of the well is 160 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1948-12-30			D 62610		3152.26	NGVD29	1		Z	
1948-12-30			D 62611		3153.88	NAVD88	1		Z	
1948-12-30			D 72019	135.12			1		Z	
1983-02-17			D 62610		3153.59	NGVD29	1		Z	
1983-02-17			D 62611		3155.21	NAVD88	1		Z	
1983-02-17			D 72019	133.79			1		Z	
1987-10-15			D 62610		3152.48	NGVD29	1		Z	
1987-10-15			D 62611		3154.10	NAVD88	1		Z	
1987-10-15			D 72019	134.90			1		Z	
1992-12-10			D 62610		3154.45	NGVD29	1		S	
1992-12-10			D 62611		3156.07	NAVD88	1		S	
1992-12-10			D 72019	132.93			1		S	
1998-01-27			D 62610		3150.21	NGVD29	1		S	
1998-01-27			D 62611		3151.83	NAVD88	1		S	
1998-01-27			D 72019	137.17			1		S	
2015-12-16	23:40 UTC		m 62610		3153.24	NGVD29	1		S	USGS
2015-12-16	23:40 UTC		m 62611		3154.86	NAVD88	1		S	USGS



Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
2015-12-16	23:40 UTC		m	72019	134.14			1	S	USGS
2021-02-23	18:00 UTC		m	62610	3151.52	NGVD29		1	S	USGS
2021-02-23	18:00 UTC		m	62611	3153.14	NAVD88		1	S	USGS
2021-02-23	18:00 UTC		m	72019	135.86			1	S	USGS
2022-01-10	23:00 UTC		m	62610		NGVD29		6	S	USGS
2022-01-10	23:00 UTC		m	62611		NAVD88		6	S	USGS
2022-01-10	23:00 UTC		m	72019				6	S	USGS

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	6	Measurement unable to be obtained due to local conditions
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)  
**Title:** Groundwater for USA: Water Levels  
**URL:** <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



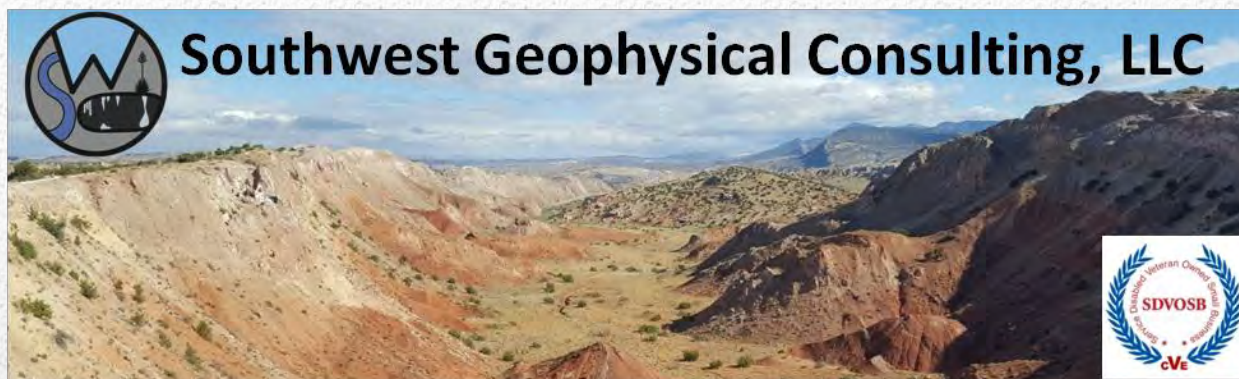
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## APPENDIX B

### Karst Survey

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# **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**

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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<sup>[1]</sup>) and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions<sup>[2]</sup>) within the spill boundary of the Shinnery Oak SWD 1 Release using electrical resistivity imaging<sup>[3]</sup>.

### 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<sup>[4]</sup>. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within a **MEDIUM** karst occurrence zone (MKOZ)<sup>[5]</sup> (**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<sup>[4]</sup>.

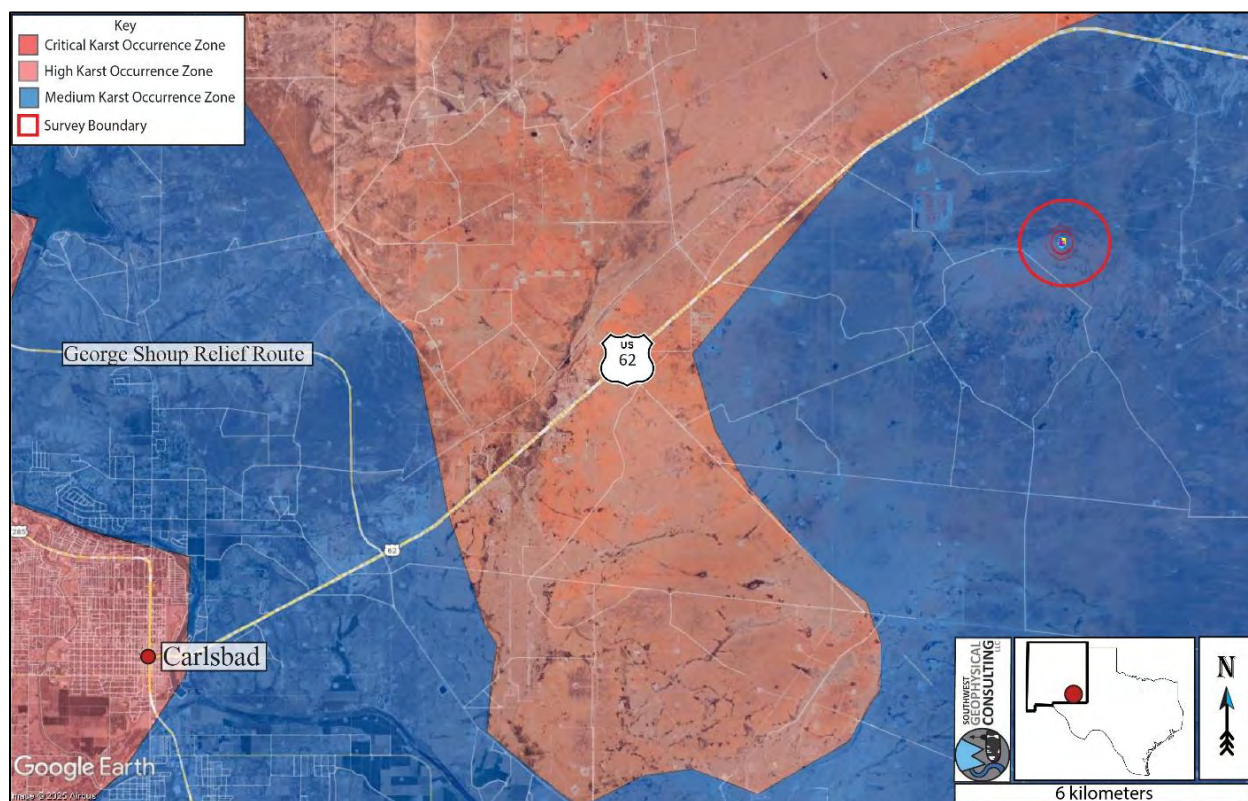


Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: August 13, 2024. Image datum: WGS-84.

### **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<sup>[6]</sup> (**Figure 1** and **Figure 2**). The region has rolling terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock<sup>[7]</sup> (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<sup>[8]</sup>. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map<sup>[9]</sup> 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<sup>[5]</sup> (**Figure 1**) and BLM-CFO managed land<sup>[10]</sup> (**Figure 2**).

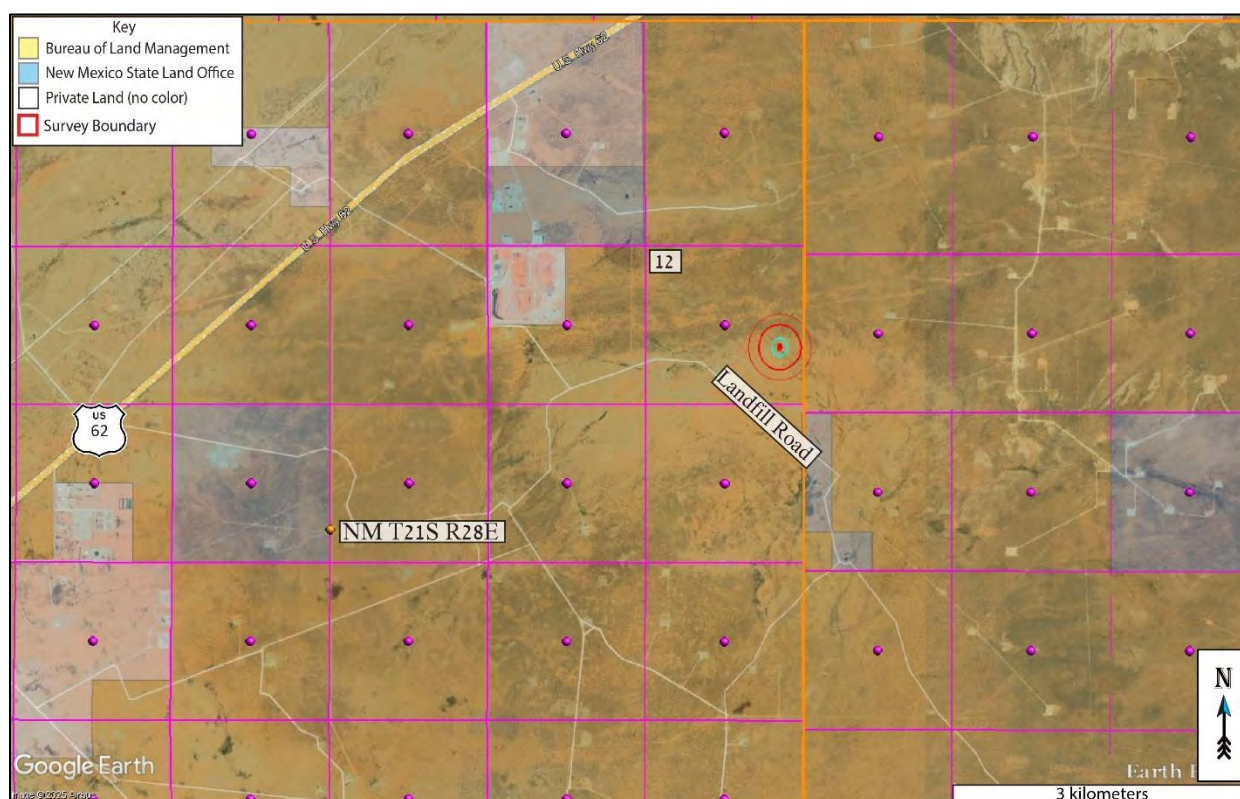


Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: August 13, 2024. Image datum: WGS-84.

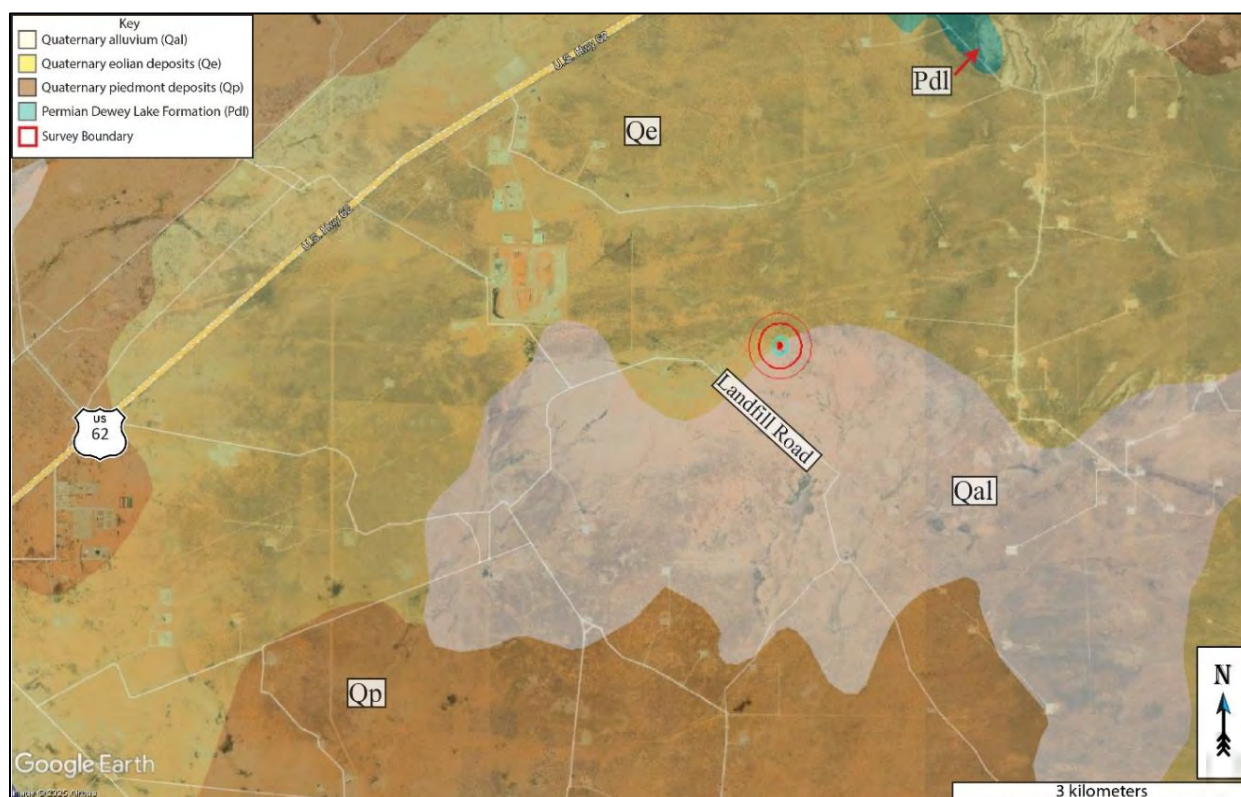
## 2.2 Local Geology Summary

The site for the SOS1 survey is located west of Nash Draw at an elevation of 1,024 meters (3,360 feet),  $\pm 4$  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)<sup>[11]</sup> 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)<sup>[12]</sup>.

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<sup>[12]</sup>.

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



**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<sup>[1]</sup> (**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<sup>[14]</sup>; 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<sup>[4]</sup> (**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<sup>[15]</sup>.

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  $\Omega$ -m) and a max apparent resistivity set to 100,000  $\Omega$ -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 k $\Omega$ -m Min Apparent Resistivity = 0.1 $\Omega$ -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)<sup>[1]</sup> or 200-meter survey area surrounding the spill delineation boundary (Figure 6).

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

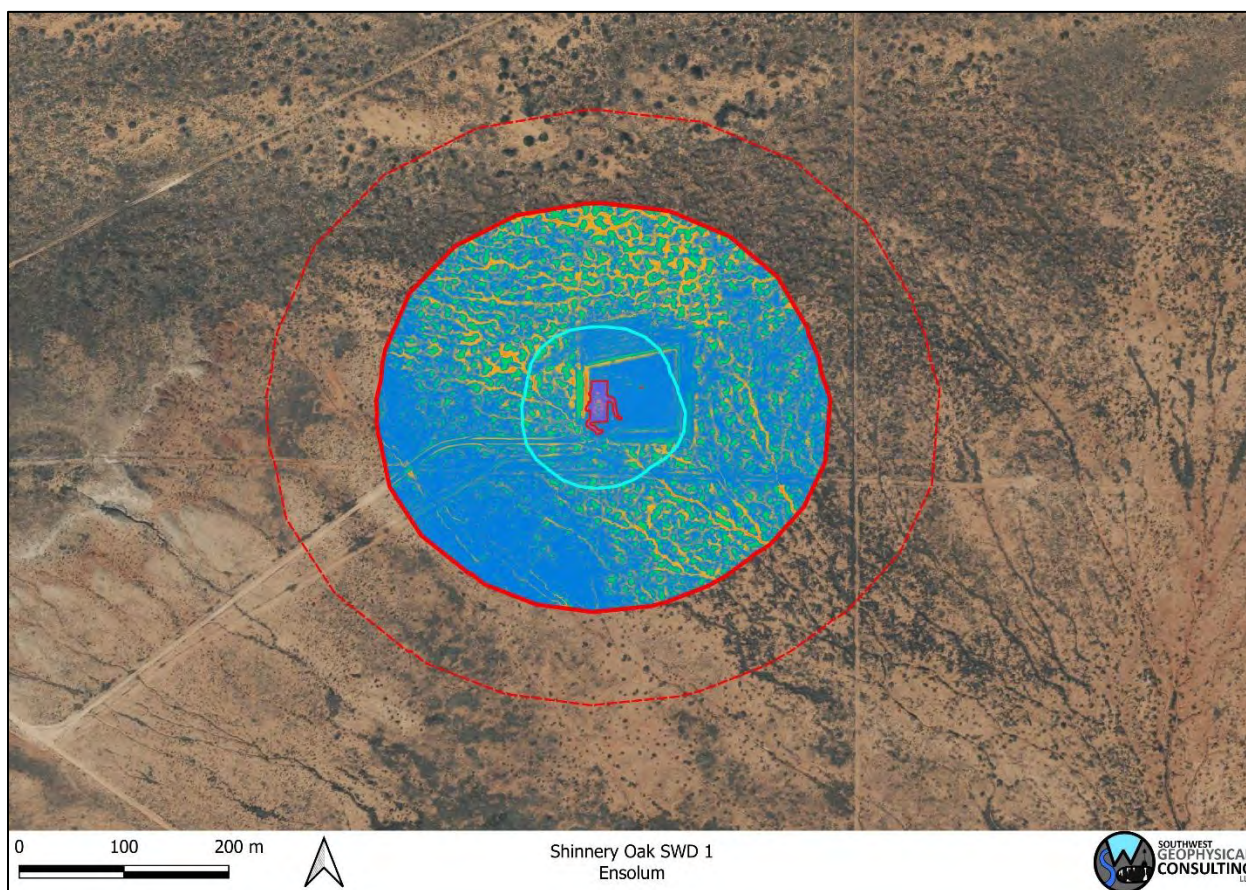


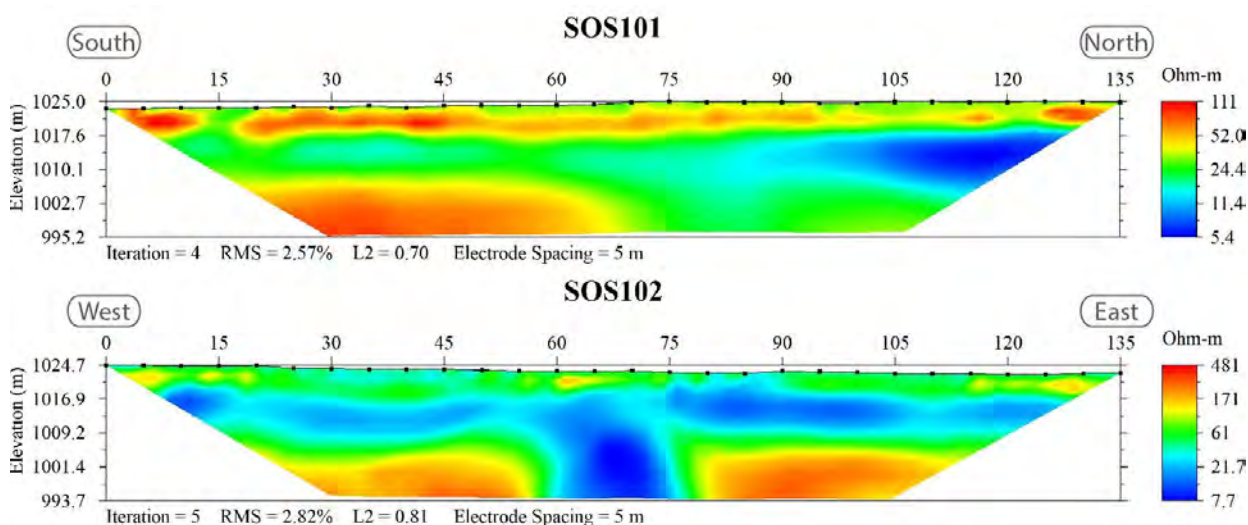
Figure 6: Aerial surface karst survey results. Background image credit: Google Earth. Image date: August 13, 2024. Image datum: WGS-84.



### 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<sup>[16]</sup> (**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](mailto:blm_nm_karst@blm.gov)

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

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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 $\Omega$ -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

PdI	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](mailto: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







## APPENDIX C


### Lithologic Soil Sampling Logs


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								Sample Name: BH01		Date: 1/13/25	
								Site Name: Shinnery Oak SWD 001			
								Incident Number: nAPP2500345021			
								Job Number: 03A2270065			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								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. No correction factors included.											
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		Pad Caliche			
D	1,590		N	BH01	1	1	CCHE				
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		3	3		Caliche - White to red, Mostly Coarse to fine sand with some small to large cobbles, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform, Abrupt			
D	1,697		N		4	4					
D			N		5	5					
D	1,574		N		6	6					
D			N		7	7	CCHE				
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					




								Sample Name: BH01		Date: 1/13/25	
								Site Name: Shinnery Oak SWD 001			
								Incident Number: nAPP2500345021			
								Job Number: 03A2270065			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								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. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			N	BH01	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	BH01	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.											


							Sample Name: BH02		Date: 1/13/25	
							Site Name: Shinnery Oak SWD 001			
							Incident Number: nAPP2500345021			
							Job Number: 03A2270065			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>							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. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.										
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				
D	890		N	BH02	1	1	CCHE	Pad Caliche		
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				
D	235		N	BH02	4	4				
D	1,192		N	BH02	5	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	1,607		N	BH02	6	6				
D	705		N	BH02	7	7				
D	515	100	N	BH02	8	8				
D	1,103		N	BH02	9	9				
D	571		N	BH02	11	11	CH	Red Clay with grey nodules - Dense, Fine to very fine, Dry, High-Plasticity, Cohesive, Massive, Non-Uniform		
D	515		N	BH02	13	13				
D	358		N	BH02	15	15				


 <b>ENSOLUM</b>		Sample Name: BH03		Date: 1/17/2025				
		Site Name: Shinnery Oak SWD 1						
		Incident Number: nAPP2500345021						
		Job Number: 03A2270065						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.492613, -104.033990			Logged By: Oluwale Aderinto		Method: Hand Auger			
			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. No correction factors included.								
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
Total Depth @ 1.5 feet bgs.								


							Sample Name: BH04		Date: 1/17/2025	
							Site Name: Shinnery Oak SWD 1			
							Incident Number: nAPP2500345021			
							Job Number: 03A2270065			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>							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. No correction factors included.										
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	BH04	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	BH04	4	4				
D	1,080		N	BH04	5	5				
D	442		N	BH04	6	6				
						7				
D	1,103		N	BH04	8	8	CH	Red Clay with grey nodules - Dense, Fine to very fine, Dry, High-Plasticity, Cohesive, Massive, Non-Uniform		
						9				
D	1,103		N	BH04	10	10				
D	1,607		N	BH04	12	12				
D	358	54	N	BH04	14	14				




 <b>ENSOLUM</b>		Sample Name: BH05		Date: 1/17/2025				
		Site Name: Shinnery Oak SWD 1						
		Incident Number: nAPP2500345021						
		Job Number: 03A2270065						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.492646, -104.033928			Logged By: Chad Hamilton		Method: Hand Auger			
			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. No correction factors included.								
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.								


 <b>ENSOLUM</b>		Sample Name: BH06		Date: 1/17/2025				
		Site Name: Shinnery Oak SWD 001						
		Incident Number: nAPP2500345021						
		Job Number: 03A2270065						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.492803, -104.033924			Logged By: Oluwale Aderinto		Method: Hand auger			
			Hole Diameter: 3"		Total Depth: 7'			
Comments: Field screening conducted with HACH Chloride Test Strips. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
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	BH06	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	BH06	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.								


								Sample Name: BH07		Date: 1/17/2025	
								Site Name: Shinnery Oak SWD 1			
								Incident Number: nAPP2500345021			
								Job Number: 03A2270065			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								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. No correction factors included.											
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			
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			
D			N	BH07	4	4					
D	1,159		N	BH07	6	6	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	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					


								Sample Name: BH08		Date: 1/24/2025	
								Site Name: Shinnery Oak SWD 1			
								Incident Number: nAPP2500345021			
								Job Number: 03A2270065			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Chad Hamilton		Method: Hand Auger	
Coordinates: 32.492908, -104.033916								Hole Diameter: 3"		Total Depth: 13'	
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. No correction factors included.											
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					
						2	SP-SM	Silty Sand - Medium brown to red, Coarse to fine with trace small gravel, Dry, non-plastic, Noncohesive, Non-uniform, Abrupt			
D	1,265		N	BH08	3	3					
Total Depth @ 3 feet bgs.											




								Sample Name: BH09		Date: 1/21/25	
								Site Name: Shinnery Oak SWD 001			
								Incident Number: nAPP2500345021			
								Job Number: 03A2270065			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								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 Soil Analyzer System. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
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		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.				


		Sample Name: BH10		Date: 1/21/25				
		Site Name: Shinnery Oak SWD 001						
		Incident Number: nAPP2500345021						
		Job Number: 03A2270065						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.492739, -104.034122			Logged By: Oluwale Aderinto		Method: Hand auger			
			Hole Diameter: 3"		Total Depth: 3'			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG Soil Analyzer System. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
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		Silty Sand - Medium brown to red, Coarse to fine with trace small gravel, Dry, non-plastic, Noncohesive, Non-uniform, Abrupt
M	ND	290	N	BH10	1	1	SP-SM	
M	ND	39	N	BH10	2	2		
M	ND	18	N	BH10	3	3		
Total Depth @ 3 feet bgs								

								Sample Name: BH11		Date: 01/21/2025	
								Site Name: Shinnery Oak SWD 001			
								Incident Number: nAPP2500345021			
								Job Number: 03A2270065			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Higinio Gonzalez		Method: Tracked auger	
Coordinates: 32.49310, -104.03396								Hole Diameter: 6"		Total Depth: 57.5'	
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. No correction factors included.											
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	BH11		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					
D			N	BH11		6					
D			N	BH11		7					
D			N	BH11		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	BH11		10					
D			N	BH11		11					
D	263		N	BH11	12	12					

 <b>ENSOLUM</b>		Sample Name: BH11		Date: 01/21/2025				
		Site Name: Shinnery Oak SWD 001						
		Incident Number: nAPP2500345021						
		Job Number: 03A2270065						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.49310, -104.03396			Logged By: Higinio Gonzalez		Method: Tracked auger			
			Hole Diameter: 6"		Total Depth: 57.5'			
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. No correction factors included.								
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		Red Clay with grey nodules - Dense, Fine to very fine, Dry, High-Plasticity, Cohesive, Massive, Non-Uniform
D			N	BH11	13	13		
D	2,469		N	BH11	15	15		
D	2,296		N	BH11	17	17		
D	2,654		N	BH11	20	20		
D	2,296		N	BH11	25	25		
D	2,296		N	BH11	30	30	CH	
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		



								Sample Name: BH12		Date: 01/21/2025	
								Site Name: Shinnery Oak SWD 001			
								Incident Number: nAPP2500345021			
								Job Number: 03A2270065			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Oluwale Aderinto		Method: Tracked Auger	
Coordinates: 32.49308, -104.03384								Hole Diameter: 6"		Total Depth: 57.5'	
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. No correction factors included.											
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	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	2					
D			N	BH12	3	3					
D	>3,377		N	BH12	4	4					
D	>3,377		N	BH12	5	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	BH12	7	7					
D	2,570		N	BH12	8	8					
D			N	BH12	9	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	BH12	11	11					
D			N	BH12	12	12					

								Sample Name: BH12		Date: 01/21/2025	
								Site Name: Shinnery Oak SWD 001			
								Incident Number: nAPP2500345021			
								Job Number: 03A2270065			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Oluwale Aderinto		Method: Tracked Auger	
Coordinates: 32.49308, -104.03384								Hole Diameter: 6"		Total Depth: 57.5'	
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. No correction factors included.											
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	CH	Red Clay with grey nodules - Dense, Fine to very fine, Dry, High-Plasticity, Cohesive, Massive, Non-Uniform			
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					
D	2,861		N	BH12	40	40					
						45					
D	1,366		N	BH12	50	50					
D	1,170		N	BH12	57.5	57.5					



## APPENDIX D

### Photographic Log

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## Photographic Log

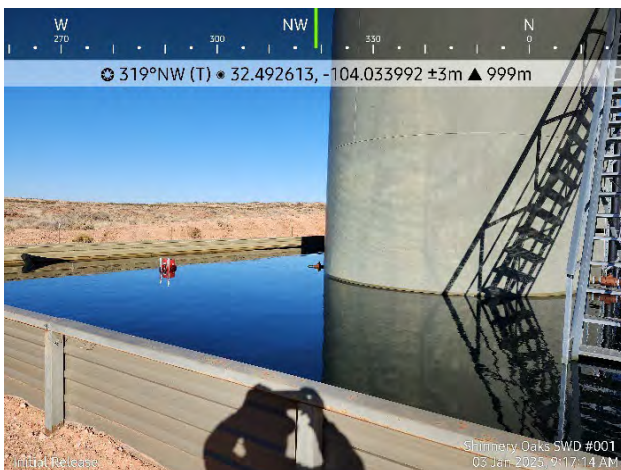
San Mateo Stebbins Water Management, LLC  
Shinnery Oaks SWD 1  
nAPP2500345021



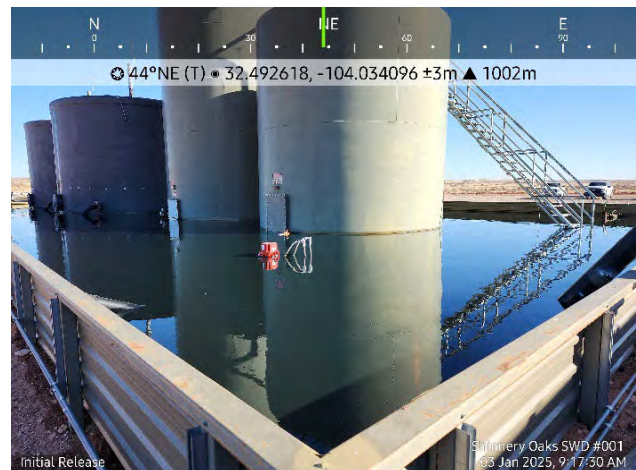
Photograph 1  
Description: Lease Sign  
View: Northeast  
Date: 1/3/2025



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



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



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





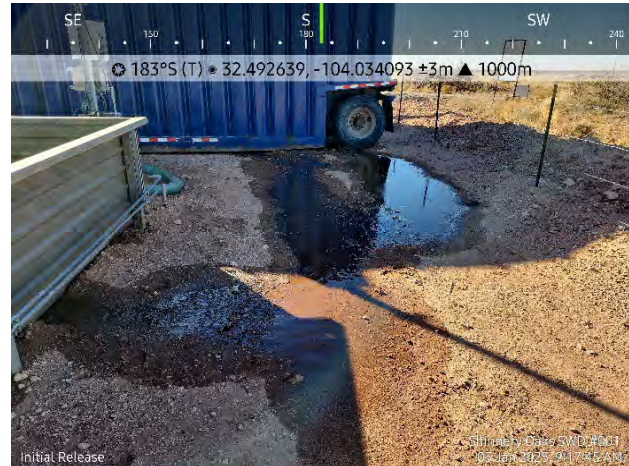
## Photographic Log

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



Photograph 5  
Description: Initial Release  
View: North

Date: 1/3/2025



Photograph 6  
Description: Initial Release  
View: South

Date: 1/3/2025



Photograph 7  
Description: Initial Release  
View: West

Date: 1/3/2025



Photograph 8  
Description: Initial Release  
View: North

Date: 1/3/2025





## Photographic Log

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



Photograph 9  
Description: Initial Release  
View: West

Date: 1/3/2025



Photograph 10  
Description: Initial Release  
View: South

Date: 1/3/2025



Photograph 11  
Description: Initial Release  
View: Southwest

Date: 1/3/2025



Photograph 12  
Description: Initial Release  
View: Northwest

Date: 1/3/2025





### Photographic Log

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



Photograph 13  
Description: Initial Release  
View: West

Date: 1/3/2025



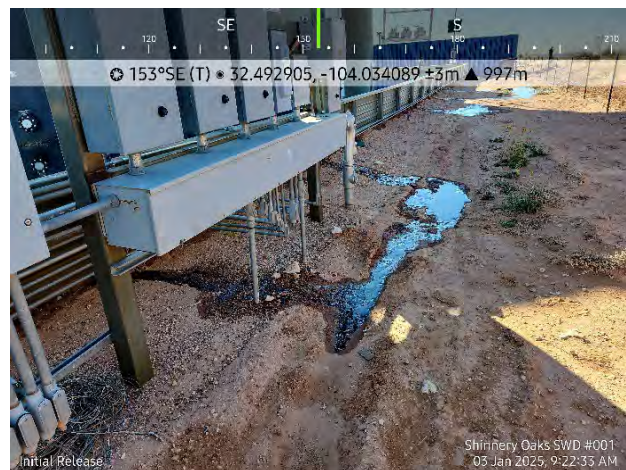
Photograph 14  
Description: Initial Release  
View: Southwest

Date: 1/3/2025



Photograph 15  
Description: Initial Release  
View: Southeast

Date: 1/3/2025



Photograph 16  
Description: Initial Release  
View: Southeast

Date: 1/3/2025





## Photographic Log

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



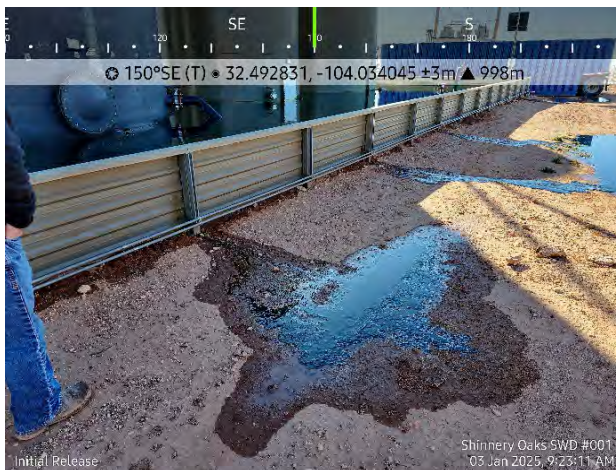
Photograph 17  
Description: Initial Release  
View: Southeast

Date: 1/3/2025



Photograph 18  
Description: Initial Release  
View: East

Date: 1/3/2025



Photograph 19  
Description: Initial Release  
View: Southeast

Date: 1/3/2025



Photograph 20  
Description: Initial Release  
View: South

Date: 1/3/2025





# Photographic Log

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



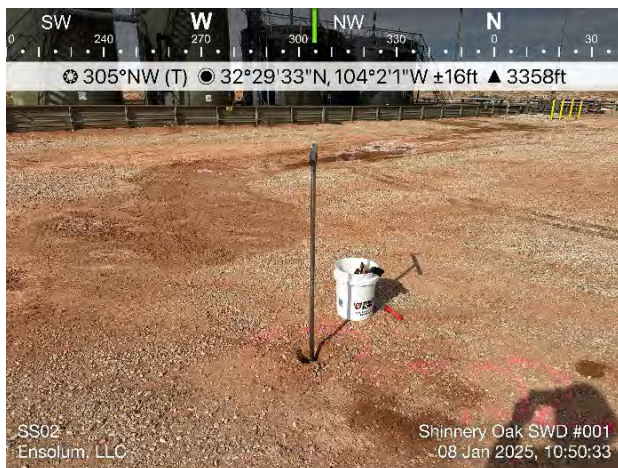
Photograph 21  
Description: SS01  
View: Southwest

Date: 1/8/2025



Photograph 22  
Description: SS01A  
View: West

Date: 1/8/2025



Photograph 23  
Description: SS02  
View: Northwest

Date: 1/8/2025



Photograph 24  
Description: SS02A  
View: Northwest

Date: 1/8/2025





# Photographic Log

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



Photograph 25  
Description: SS03  
View: West

Date: 1/8/2025



Photograph 26  
Description: SS04  
View: East

Date: 1/8/2025



Photograph 27  
Description: SS05  
View: South

Date: 1/8/2025



Photograph 28  
Description: SS05A  
View: South

Date: 1/8/2025





## Photographic Log

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



Photograph 29  
Description: SS06  
View: North

Date: 1/8/2025



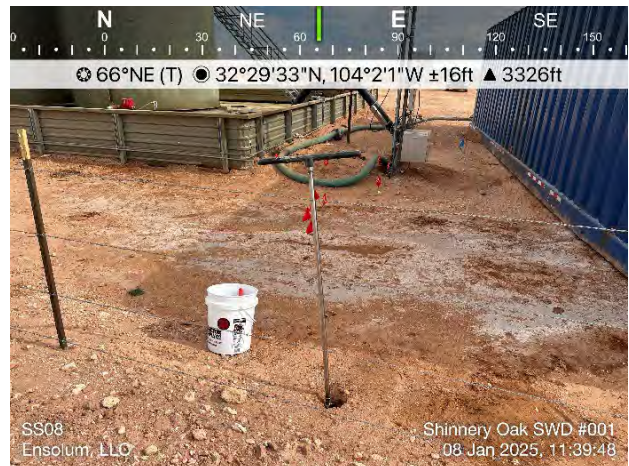
Photograph 30  
Description: SS06A  
View: North

Date: 1/8/2025



Photograph 31  
Description: SS07  
View: Northeast

Date: 1/8/2025



Photograph 32  
Description: SS08  
View: Northeast

Date: 1/8/2025





## Photographic Log

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



Photograph 33  
Description: SS05C  
View: South

Date: 1/13/2025



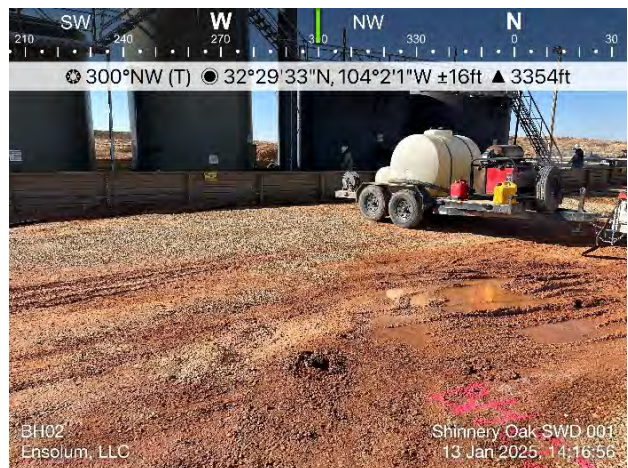
Photograph 34  
Description: SS01C  
View: Southwest

Date: 1/13/2025



Photograph 35  
Description: BH01  
View: West

Date: 1/13/2025



Photograph 36  
Description: BH02  
View: Northwest

Date: 1/13/2025





### Photographic Log

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



Photograph 37 Date: 1/17/2025  
Description: BH01 Renamed BH03  
View: East



Photograph 38 Date: 1/17/2025  
Description: BH02 Renamed BH04  
View: Northeast



Photograph 39 Date: 1/17/2025  
Description: BH03 Renamed BH05  
View: South



Photograph 40 Date: 1/17/2025  
Description: BH04 Renamed BH06  
View: Southwest





### Photographic Log

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



Photograph 41 Date: 1/17/2025  
Description: BH05 Renamed BH07  
View: South



Photograph 42 Date: 1/17/2025  
Description: BH06 Renamed BH08  
View: Southwest



Photograph 43 Date: 1/17/2025  
Description: BH01 Renamed BH03  
View: Southeast



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





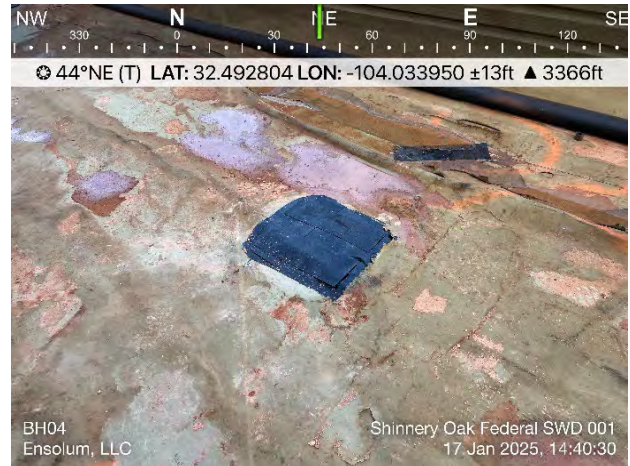
### Photographic Log

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



Photograph 45  
Description: BH03  
View: North

Date: 1/17/2025



Photograph 46  
Description: BH04  
View: Northeast

Date: 1/17/2025



Photograph 47  
Description: BH05  
View: Southeast

Date: 1/17/2025



Photograph 48  
Description: North Side  
View: West

Date: 1/17/2025





## Photographic Log

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



Photograph 49  
Description: North Side  
View: East

Date: 1/17/2025



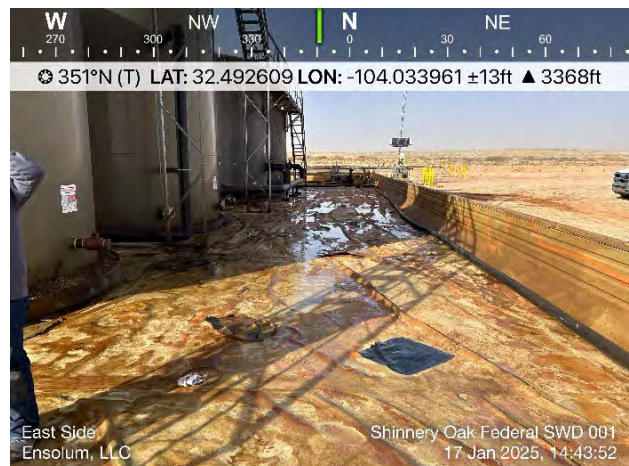
Photograph 50  
Description: West Side  
View: South

Date: 1/17/2025



Photograph 51  
Description: South Side  
View: East

Date: 1/17/2025



Photograph 52  
Description: East Side  
View: North

Date: 1/17/2025





### Photographic Log

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



Photograph 53 Date: 1/20/2025  
Description: Tank Battery Delineation  
View: West



Photograph 54 Date: 1/20/2025  
Description: Tank Battery Delineation  
View: Southeast



Photograph 55 Date: 1/20/2025  
Description: Tank Battery Delineation  
View: Southwest



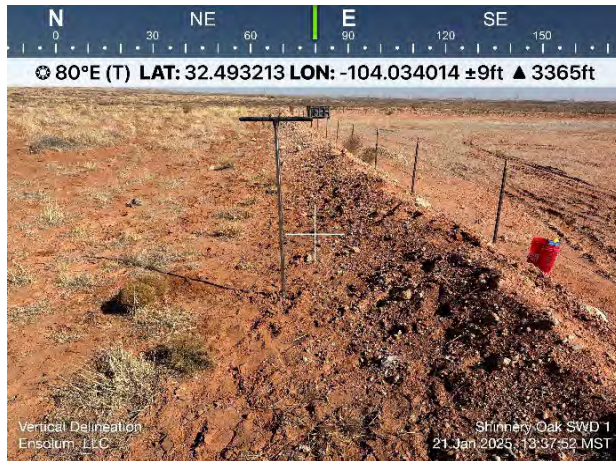
Photograph 56 Date: 1/21/2025  
Description: Vertical Delineation  
View: North





# Photographic Log

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



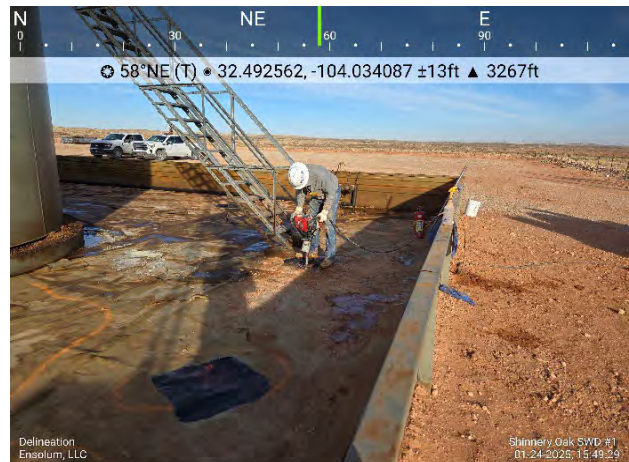
Photograph 57  
Description: Vertical Delineation  
View: East



Photograph 58  
Description: Delineation  
View: Southwest



Photograph 59  
Description: Delineation  
View: West



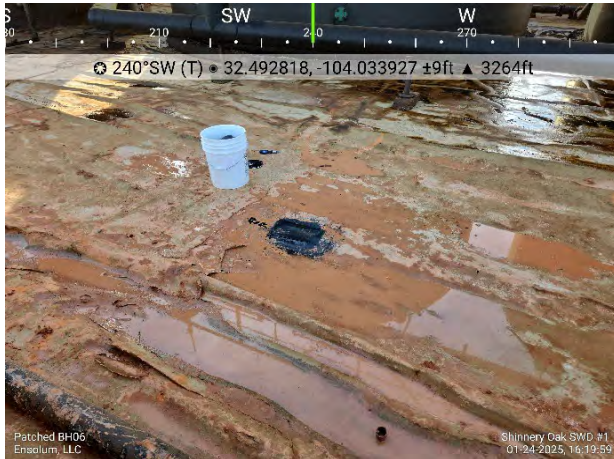
Photograph 60  
Description: Delineation  
View: Northeast





## Photographic Log

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



Photograph 61  
Description: Patched BH06  
View: Southwest

Date:1/24/2025



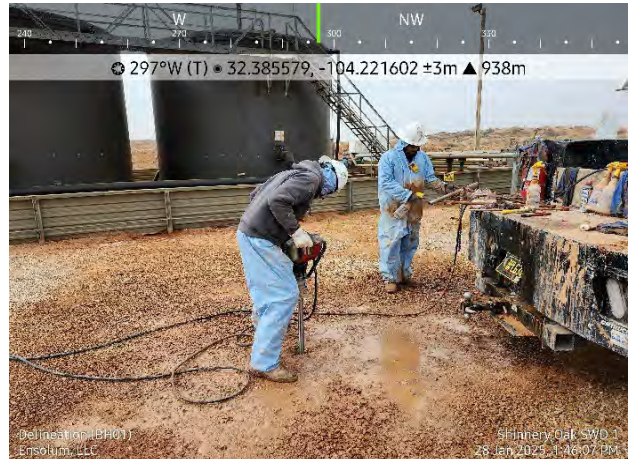
Photograph 62  
Description: Patched BH04  
View: North

Date:1/24/2025



Photograph 63  
Description: Patched BH07  
View: West

Date:1/24/2025



Photograph 64  
Description: Delineation  
View: Northwest

Date:1/28/2025





## Photographic Log

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



Photograph 61  
Description: Delineation ( BH11)  
View: Northeast



Photograph 62  
Description: Delineation (BH12)  
View: East



Photograph 63  
Description: BG01  
View: Southwest



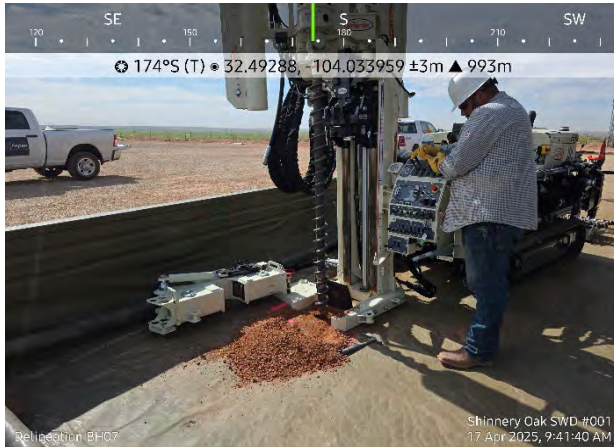
Photograph 64  
Description: BG04  
View: East





### Photographic Log

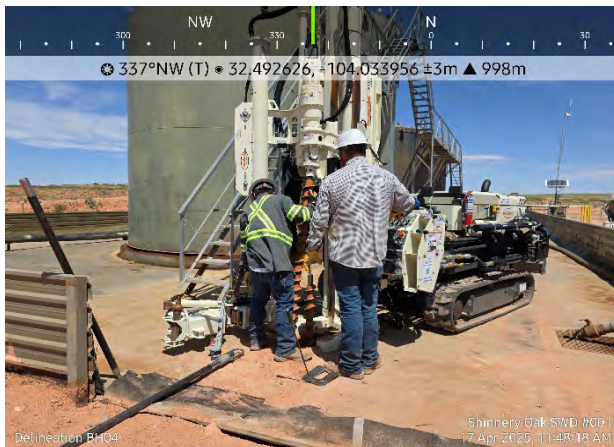
San Mateo Stebbins Water Management, LLC  
Shinnery Oaks SWD 1  
nAPP2500345021



Photograph 65  
Description: Delineation (BH07)  
View: South



Photograph 66  
Description: Liner Patch  
View: Northeast



Photograph 67  
Description: BG04  
View: Southwest



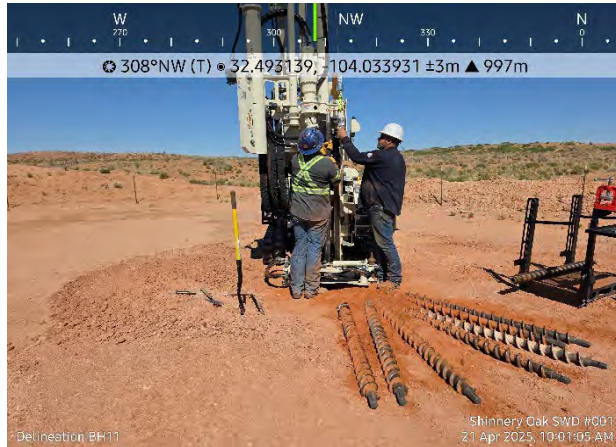
Photograph 68  
Description: BG01  
View: East



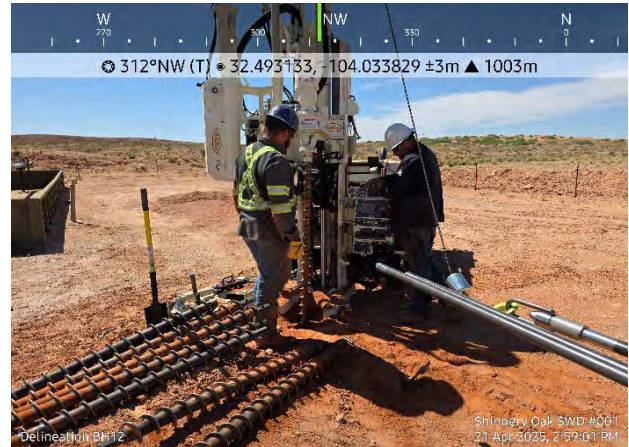


# Photographic Log

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



Photograph 69  
Description: Delineation ( BH11)  
View: Northwest



Photograph 70  
Description: Delineation (BH12)  
View: Northwest



Photograph 71  
Description: SS02  
View: North



Photograph 72  
Description: SS01  
View: East





## APPENDIX E

### Laboratory Analytical Reports & Chain-of-Custody Documentation

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Report to:  
Ashley Giovengo



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
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**Michelle Gonzales**  
Client Representative  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

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

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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 2:31:21PM

**SS03-0'**

**E501057-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.1 %	70-130	01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2502098	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		60.2 %	50-200	01/10/25	01/10/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 2:31:21PM

SS03-1'

E501057-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 2:31:21PM

SS04-0'

E501057-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.9 %	70-130		01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		01/10/25	01/11/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 2:31:21PM

SS04-1'

E501057-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/10/25	01/11/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 2:31:21PM

SS03A-0'

E501057-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.9 %	70-130		01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/10/25	01/11/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 2:31:21PM

SS03A-1'

E501057-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		01/10/25	01/11/25	
<b>Anions by EPA 300.0/9056A</b>						
	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 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Shinnery Oak SWD #001 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/28/2025 2:31:21PM
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SS08-0'

E501057-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.5 %	70-130		01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		01/10/25	01/11/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 2:31:21PM

SS08-1'

E501057-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.6 %	70-130		01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		01/10/25	01/10/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		01/10/25	01/11/25	
<b>Anions by EPA 300.0/9056A</b>						
	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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:  1/28/2025 2:31:21PM
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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.

## Chain of Custody

Page 1 of 1

Received by OCD: 8/14/2025 10:10:27 AM

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Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: San Mateo Stebbins Water Management				Company: Ensolum LLC		Lab WO# E501057		Job Number 23003-0002		1D	2D	3D	Std	NM	CO	UT	TX
Project: Shinnery Oak SWD #001				Address: 3122 National Parks Hwy										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										Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
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					
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	<div>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.</div> <div>Lab Use Only</div> <div>Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N</div> <div>T1 _____ T2 _____ T3 _____</div> <div>AVG Temp °C 4</div>									
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										
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

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## 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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 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.



## Chain of Custody

Page 1 of 1

Received by OCD: 8/14/2025 10:10:27 AM

02 jo 02 epad

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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		E501057	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						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
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	<del>SS07 - 0'</del> SS03A - 0'		5						X					
11:51	1/8/2025	S	1	<del>SS07 - 1'</del> 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					
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	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: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Oluwale Aderinto		1/9/25	08:05	Michelle Gonzalez		1-9-25	0805										
Michelle Gonzalez		1-9-25	1646	[Signature]		1-9-25	1646										
[Signature]		1-9-25	2245	Caitlin Mann		1-10-25	800										
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



# envirotech

*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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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 regarding 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**  
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Sample Summary

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

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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/17/2025 12:00:54PM

**SS02B-0'**

**E501071-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	01/14/25	01/16/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	01/14/25	01/16/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/14/25	01/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/25	01/16/25	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	01/14/25	01/16/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	01/14/25	01/16/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	01/14/25	01/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>		108 %	50-200	01/14/25	01/14/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/17/2025 12:00:54PM

SS02B-1'

E501071-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2503027-BLK1)</b>					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			

<b>LCS (2503027-BS1)</b>					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			

<b>Matrix Spike (2503027-MS1)</b>					<b>Source: E501059-01</b>		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			

<b>Matrix Spike Dup (2503027-MSD1)</b>					<b>Source: E501059-01</b>		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.



## Chain of Custody

[illegible]

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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 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



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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 regarding 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,

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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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/20/2025 12:43:33PM

**BH01-0'**

**E501086-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	01/15/25	01/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2503051	
Gasoline Range Organics (C6-C10)	ND	100	5	01/15/25	01/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	01/15/25	01/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		126 %	50-200	01/15/25	01/15/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/20/2025 12:43:33PM

## BH01-2'

## E501086-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		01/15/25	01/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		01/15/25	01/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		01/15/25	01/15/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/20/2025 12:43:33PM

BH02-0'

E501086-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		01/15/25	01/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		01/15/25	01/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	124 %	50-200		01/15/25	01/15/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/20/2025 12:43:33PM

## BH02-2'

## E501086-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.6 %	70-130		01/15/25	01/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		01/15/25	01/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	124 %	50-200		01/15/25	01/15/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/20/2025 12:43:33PM

## BH02-3'

## E501086-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.5 %	70-130		01/15/25	01/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2503051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.8 %	70-130		01/15/25	01/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	130 %	50-200		01/15/25	01/16/25	
<b>Anions by EPA 300.0/9056A</b>	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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.

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## 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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 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



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 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 regarding 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  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

**BH03-0'**

**E501137-01**

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



## Sample Data

San Mateo Stebbins Water Management, LLC  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH03-1'

E501137-02

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



## Sample Data

San Mateo Stebbins Water Management, LLC  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH04-0'

E501137-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504044
Gasoline Range Organics (C6-C10)	720	100	5	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	545 %	50-200		01/21/25	01/24/25	S5
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH04-1'

E501137-04

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





## Sample Data

San Mateo Stebbins Water Management, LLC  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH05-0'

E501137-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.9 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		01/21/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH05-1'

E501137-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.7 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		01/21/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH06-0'

E501137-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	<b>0.0539</b>	0.0500	1	01/21/25	01/23/25	
Total Xylenes	<b>0.0539</b>	0.0250	1	01/21/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	85.2 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2504044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.9 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	107 %	50-200		01/21/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2504064	
Chloride	<b>6560</b>	100	5	01/21/25	01/22/25	



## Sample Data

San Mateo Stebbins Water Management, LLC  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH07-0'

E501137-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504044
Gasoline Range Organics (C6-C10)	152	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	116 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	161 %	50-200		01/21/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH08-0'

E501137-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.7 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.4 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		01/21/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

## BH08-1'

## E501137-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2504044	
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	<b>0.0313</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	85.6 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2504044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.8 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	113 %	50-200		01/21/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2504064	
Chloride	<b>1980</b>	20.0	1	01/21/25	01/22/25	



## Sample Data

San Mateo Stebbins Water Management, LLC  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH03-1.5'

E501137-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.2 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		01/21/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH06-2'

E501137-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.7 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.7 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		01/21/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH06-4'

E501137-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	86.3 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2504044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.5 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	119 %	50-200		01/21/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH07-2'

E501137-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	86.9 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2504044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.7 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	108 %	50-200		01/21/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH07-4'

E501137-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	87.4 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2504044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.8 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	108 %	50-200		01/21/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 10:43:11AM

BH08-3'

E501137-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504044
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		01/21/25	01/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		01/21/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

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.

## Chain of Custody

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: San Mateo				Company: Ensolum LLC		Lab WO# E50137		Job Number 23003-0002		1D	2D	3D	Std	NM	CO	UT	TX
Project: Shinnery Oak SWD 001				Address: 3122 National Parks Hwy										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										Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRQ/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
1010	1/17/25	Soil	1	BH01-0'		1						x					
1012				BH01-1'		2						x					
1017				BH02-0'		3						x					
1018				BH02-1'		4						x					
1021				BH03-0'		5						x					
1023				BH03-1'		6						x					
1026				BH04-0'		7						x					
1032				BH05-0'		8						x					
1038				BH06-0'		9						x					
1040				BH06-1'		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	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									
Jenna Hinkle		1/20/25	7:20	Michelle Gonzales		1-20-25	0720										
Michelle Gonzales		1-20-25	1500	John H.		1-20-25	1600										
John H.		1-20-25	2200	Cathy Ma		1-21-25	700										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
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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## Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State									
Client: San Mateo				Company: Ensolum LLC		Lab WO# E501131		Job Number 23003-0002				1D	2D	3D	Std	NM	CO	UT	TX		
Project: Shinnery Oak SWD 001				Address: 3122 National Parks Hwy												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										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	BGDOC - NM	TCED 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	Y or N		
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									
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	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: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4													
Jenna Hinkle		1/20/25	7:20	Michelle Gonzales		1-20-25	0720														
Michelle Gonzales		1-20-25	1500	Jenna H.		1-20-25	1600														
Jenna H.		1-20-25	2200	Cathy Ma		1-21-25	700														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
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Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																					
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## 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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 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



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## Chain of Custody

Page 1 of 2

Received by OCD: 8/14/2025 10:10:27 AM

Page 30 of 31

Page 161 of 431

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: San Mateo				Company: Ensolum LLC				Lab WO#		Job Number		1D		2D		3D		Std	
Project: Shinnery Oak SWD 001				Address: 3122 National Parks Hwy				E501131		2303-0002								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								Analysis and Method				EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
1010	1/17/25	Soil	1	BH 013-0'		1						x							
1012				BH 013-1'		2						x							
1017				BH 014-0'		3						x							
1018				BH 014-1'		4						x							
1021				BH 015-0'		5						x							
1023				BH 015-1'		6						x							
1026				BH 016-0'		7						x							
1032				BH 017-0'		8						x							
1038				BH 018-0'		9						x							
1040				BH 018-1'		10						x							
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Michelle Gonzales		1-20-25	1500	John H.		1-20-25	1600												
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## Chain of Custody

Page 2 of 2

Received by OCD: 8/14/2025 10:10:27 AM

Page 31 of 31

Page 162 of 431

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: San Mateo				Company: Ensolum LLC		Lab WO# <u>E501131</u> Job Number <u>23003-0002</u>		1D	2D	3D	Std	NM	CO	UT	TX		
Project: Shinnery Oak SWD 001				Address: 3122 National Parks Hwy								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						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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
1155	1/17/25	Soil	1	BH04 <sup>3</sup> -1.5'		11						X					
1200				BH04 <sup>6</sup> -2'		12						X					
1203				BH04 <sup>6</sup> -4'		13						X					
1207				BH05 <sup>7</sup> -2'		14						X					
1213				BH05 <sup>7</sup> -4'		15						X					
1216				BH06 <sup>8</sup> -3'		16						X					
						17						X					
						18						X					
				+		19						X					
						20						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: <u>Israel Estrella / Jenna Hinkle</u>																	
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: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
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										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																	
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Report to:  
Ashley Giovengo



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

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

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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 3:46:17PM

**BH04 @ 3'**

**E501150-01**

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



## Sample Data

San Mateo Stebbins Water Management, LLC  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 3:46:17PM

BH04 @ 5'

E501150-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		01/22/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		01/22/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		01/22/25	01/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 3:46:17PM

BH06 @ 5.5'

E501150-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.2 %	70-130		01/22/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		01/22/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		01/22/25	01/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 3:46:17PM

BH07 @ 5.5'

E501150-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		01/22/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		01/22/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		01/22/25	01/23/25	
<b>Anions by EPA 300.0/9056A</b>						
	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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:  1/28/2025 3:46:17PM
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2504081-BLK1)</b>					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			

<b>LCS (2504081-BS1)</b>					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			

<b>Matrix Spike (2504081-MS1)</b>					<b>Source: E501149-01</b>		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			

<b>Matrix Spike Dup (2504081-MSD1)</b>					<b>Source: E501149-01</b>		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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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.



## Page 1 of 1





## 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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 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



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Chain of Custody etc.

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## Sample Summary

San Mateo Stebbins Water Management, LLC  
 5400 LBJ Freeway, Suite 1500  
 Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
 Project Number: 23003-0002  
 Project Manager: Ashley Giovengo

**Reported:**  
 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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

**BH01 @ 2.75'**

**E501159-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.1 %	70-130	01/23/25	01/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2504100	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.6 %	70-130	01/23/25	01/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		119 %	50-200	01/23/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

**BH09 @ 0'**

**E501159-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.9 %	70-130		01/23/25	01/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		01/23/25	01/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		01/23/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

**BH09 @ 1'**

**E501159-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.8 %	70-130		01/23/25	01/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		01/23/25	01/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	125 %	50-200		01/23/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

**BH10 @ 0'**

**E501159-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504100
Gasoline Range Organics (C6-C10)	158	40.0	2	01/23/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.2 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	216 %	50-200		01/23/25	01/24/25	S5
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

**BH10 @ 2'**

**E501159-05**

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



## Sample Data

San Mateo Stebbins Water Management, LLC  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

**BH11 @ 0'**

**E501159-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504100
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	<b>0.0369</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.6 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		01/23/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505002
Chloride	<b>383</b>	20.0	1	01/27/25	01/28/25	





## Sample Data

San Mateo Stebbins Water Management, LLC  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

**BH11 @ 2'**

**E501159-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.5 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504100	
Gasoline Range Organics (C6-C10)	ND	40.0	2	01/23/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		01/23/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

**BH11 @ 3'**

**E501159-08**

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



## Sample Data

San Mateo Stebbins Water Management, LLC  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

**BH12 @ 0'**

**E501159-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.2 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		01/23/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

BH12 @ 2'

E501159-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.2 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		01/23/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

SS05 @ 0'

E501159-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.9 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		01/23/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

SS05 @ 1'

E501159-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.1 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		01/23/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

SS10 @ 0'

E501159-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	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	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/29/2025 11:04:33AM

SS10 @ 1'

E501159-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.2 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		01/23/25	01/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	129 %	50-200		01/23/25	01/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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.



## Chain of Custody

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: San Mateo				Company: Ensolum LLC		Lab WO# E501159		Job Number 23003.0002		1D	2D	3D	Std	NM	CO	UT	TX	
Project: Shinnery Oak SWD 001				Address: 3122 National Parks Hwy										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						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
															Compliance	Y	or	N
															PWSID #			
																		Remarks
0900	1-21-25	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						
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	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: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4										
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											
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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## Chain of Custody

Client Information													
Client: San Mateo Project: Shinnery Oak SWD 001 Project Manager: Ashley Gioveno Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovento@ensolum.com													
Invoice Information													
Company: Ensolum LLC Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovento@ensolum.com Miscellaneous:													
Lab Use Only													
Lab WO# <div>E501159</div> <div>23003-0002</div>													
Job Number													
TAT													
1D    2D    3D    Std													
X                  X													
Analysis and Method													
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 100S-TX	RCRA 8 Metals	EPA Program					
								SDWA		CWA	RCRA		
								Compliance		Y or N	N		
								PWSID #					
								Remarks					
Sample Information													
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number							
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			
Additional Instructions: Please CC: cburton@ensolum.com, agiovento@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	<div>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.</div> <div>Lab Use Only</div> <div>Received on ice: Y / N</div> <div>T1 T2 T3</div> <div>AVG Temp °C</div>							
	01-22-25	0800	Michelle Gonzales	1-22-25	0800								
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time								
Michelle Gonzales	1-22-25	1520	Richard Gonzalez	1-22-25	1520								
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time								
Richard Gonzalez	1-22-25	2130	Caitlin Mann	1-23-25	800								
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time								
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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 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



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 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 regarding 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,

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Sample Summary

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

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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 4:58:21PM

**BH04 - 6'**

**E501192-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	84.0 %	70-130		01/28/25	01/28/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2505032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.2 %	70-130		01/28/25	01/28/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	86.6 %	50-200		01/28/25	01/28/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 4:58:21PM

BH06 - 6'

E501192-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	79.9 %	70-130		01/28/25	01/28/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		01/28/25	01/28/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	91.4 %	50-200		01/28/25	01/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 4:58:21PM

BH06 - 7'

E501192-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	79.8 %	70-130		01/28/25	01/28/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		01/28/25	01/28/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	90.5 %	50-200		01/28/25	01/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 4:58:21PM

BH07 - 7'

E501192-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	79.7 %	70-130		01/28/25	01/28/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.0 %	70-130		01/28/25	01/28/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	96.2 %	50-200		01/28/25	01/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 4:58:21PM

BH07 - 8'

E501192-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.0 %	70-130		01/28/25	01/28/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		01/28/25	01/28/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	94.9 %	50-200		01/28/25	01/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/28/2025 4:58:21PM

BH07 - 9'

E501192-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	79.8 %	70-130		01/28/25	01/28/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.0 %	70-130		01/28/25	01/28/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	91.0 %	50-200		01/28/25	01/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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.

## Chain of Custody

Page 1 of 1

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 1				Address: 3122 National Parks Hwy		E501192	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						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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
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						
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	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: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>										
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											
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: 1/28/2025 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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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 Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 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



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	<b>Reported:</b> 02/05/25 11:13
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:13:06AM

**SS07-0'**

**E501222-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	85.6 %	70-130		01/30/25	01/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2505103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	01/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.5 %	70-130		01/30/25	01/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	108 %	61-141		02/03/25	02/04/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:13:06AM

SS07-1'

E501222-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.9 %	70-130		01/30/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		01/30/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		02/03/25	02/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:13:06AM

BH01-4'

E501222-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.7 %	70-130		01/30/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		01/30/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		02/03/25	02/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:13:06AM

BH01-6'

E501222-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.3 %	70-130		01/30/25	01/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	01/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		01/30/25	01/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		02/03/25	02/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:13:06AM

BH01-8'

E501222-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.4 %	70-130		01/30/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		01/30/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		02/03/25	02/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:13:06AM

BH01-10'

E501222-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.0 %	70-130		01/30/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		01/30/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	99.3 %	61-141		02/03/25	02/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:13:06AM

BH01-13'

E501222-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.8 %	70-130		01/30/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		01/30/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		02/03/25	02/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:13:06AM

BH01-14'

E501222-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.3 %	70-130		01/30/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505103
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/25	02/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		01/30/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		02/03/25	02/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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.

## Chain of Custody

Page 1 of 1

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 1				Address: 3122 National Parks Hwy		E501222	23003-002				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						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	BGDOC - NM	TCEO 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
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					
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	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: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4-4</u> cm									
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										
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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 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



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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## Sample Summary

San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Shinnery Oak SWD #001 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 02/05/25 11:15
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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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:15:14AM

**BH11-5'**

**E501240-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.0 %	70-130	01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2505144	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.7 %	70-130	01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		117 %	61-141	01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:15:14AM

BH11-7'

E501240-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.2 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	119 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:15:14AM

BH11-9'

E501240-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.9 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	118 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:15:14AM

BH11-11'

E501240-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.6 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	116 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:15:14AM

BH11-12'

E501240-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.8 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	122 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:15:14AM

BH11-13'

E501240-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.4 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	117 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:15:14AM

## BH12-4'

## E501240-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	86.6 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2505144	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.4 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	118 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:15:14AM

## BH12-6'

## E501240-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	85.1 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2505144	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.2 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	119 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:15:14AM

## BH12-8'

## E501240-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.4 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	119 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:15:14AM

**BH12-10'****E501240-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	83.7 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2505144	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.1 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	121 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:15:14AM

## BH12-11'

## E501240-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.3 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	124 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:15:14AM

## BH12-12'

## E501240-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	83.0 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2505144	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.7 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	123 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 11:15:14AM

## BH12-13'

## E501240-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	82.7 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2505144	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.8 %	70-130		01/31/25	02/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	123 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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.





## Chain of Custody

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State											
Client: San Mateo				Company: Ensolum LLC		Lab WO# E501240		Job Number 23003-002				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>1D</td><td>2D</td><td>3D</td><td>Std</td> </tr> <tr> <td></td><td></td><td></td><td>X</td> </tr> </table>				1D	2D	3D	Std				X
1D	2D	3D	Std																				
			X																				
Project: Shinnery Oak SWD 1				Address: 3122 National Parks Hwy								<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>NM</td><td>CO</td><td>UT</td><td>TX</td> </tr> <tr> <td>X</td><td></td><td></td><td></td> </tr> </table>				NM	CO	UT	TX	X			
NM	CO	UT	TX																				
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										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	BGDOC - NM	TCEO 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA						
1004	1/29/25	S	1	BH11-5'		1						X											
1010	1	S	1	BH11-7'		2																	
1019	1	S	1	BH11-9'		3																	
1034	1	S	1	BH11-11'		4											Only run BGDOC if BH11-9' >100 TPH and 600 CI-						
1042	1	S	1	BH11-12'		5											Only run BGDOC if BH11-11' >100 TPH and 600 CI-						
1053	1	S	1	BH11-13'		6											Only run BGDOC if BH11-12' >100 TPH and 600 CI-						
1328	1	S	1	BH12-4'		7																	
1335	1	S	1	BH12-6'		8																	
1347	1	S	1	BH12-8'		9																	
1359	1	S	1	BH12-10'		10											Only run BGDOC if BH12-8' >100 TPH and 600 CI-						
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	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: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4															
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																
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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Page 2 of 2

## 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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Client Comment: For samples 4,5,6,10-13-  
Only run BGDOC if >100 TPH & 600 CL

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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 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



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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## Sample Summary

San Mateo Stebbins Water Management, LLC  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

**BH01-16'**

**E504163-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.9 %	70-130		04/21/25	04/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.7 %	70-130		04/21/25	04/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	93.6 %	61-141		04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH01-18'

E504163-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		04/21/25	04/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		04/21/25	04/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	86.4 %	61-141		04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH01-20'

E504163-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		04/21/25	04/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		04/21/25	04/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	92.1 %	61-141		04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH01-25'

E504163-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.8 %	70-130		04/21/25	04/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.9 %	70-130		04/21/25	04/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	86.7 %	61-141		04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH01-30'

E504163-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		04/21/25	04/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		04/21/25	04/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	88.5 %	61-141		04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH01-35'

E504163-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.3 %	70-130		04/21/25	04/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		04/21/25	04/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	87.4 %	61-141		04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH02-5'

E504163-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.3 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		91.9 %	61-141	04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH02-7'

E504163-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	89.8 %	61-141		04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH02-9'

E504163-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.7 %	70-130		04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.5 %	70-130		04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	90.2 %	61-141		04/21/25	04/21/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH02-11'

E504163-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	91.5 %	61-141		04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH02-13'

E504163-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		88.1 %	61-141	04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH02-15'

E504163-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.6 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		85.9 %	61-141	04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH04-8'

E504163-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.6 %	70-130		04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	85.1 %	61-141		04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH04-10'

E504163-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.4 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		87.7 %	61-141	04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH04-12'

E504163-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	89.3 %	61-141		04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

## BH04-14'

## E504163-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	84.5 %	61-141		04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH07-9'

E504163-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		88.2 %	61-141	04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH07-11'

E504163-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		90.2 %	61-141	04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

BH07-13'

E504163-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2517007
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.9 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		88.9 %	61-141	04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:41:38PM

## BH10-3'

## E504163-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2517007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %	70-130	04/21/25	04/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		87.0 %	61-141	04/21/25	04/22/25	
<b>Anions by EPA 300.0/9056A</b>	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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.





## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: San Mateo				Company: Ensolum LLC		Lab WO# E5041103		Job Number 2303-0002		1D	2D	3D	Std	NM	CO	UT	TX	
Project: Shinnery Oak SWD #001				Address: 3122 National Parks Hwy									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						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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
1548	4/17/25	S	1	BH01 - 16'		1						X						
1611		S	1	BH01 - 18'		2						X						
1632		S	1	BH01 - 20'		3						X						
1742		S	1	BH01 - 25'		4						X						
1818		S	1	BH01 - 30'		5						X						
1901		S	1	BH01 - 35'		6						X						
1147		S	1	BH02 - 5		7						X						
1215		S	1	BH02 - 7		8						X						
1355		S	1	BH02 - 9		9						X						
1418		S	1	BH02 - 11		10						X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.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	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: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4.9										
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											
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.																		



## 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		E5041103	23003-002				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						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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
															Compliance	Y	or	N
															PWSID #			
																		Remarks
1440	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		<sup>CH</sup> <del>BH0</del> BH10 - 3'		20						X						6.3
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.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: <u>Chad Hamilton, Abubakar Kane</u>																		
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: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4.9</u>										
		4/18/25	10:57			4-18-25	1330											
		4-18-25	1500	Michelle Gonzales		4-18-25	1500											
		4-19-25	0119	Nae Sed		4-21-25	730											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
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: 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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Individual sample temperatures listed on COC.

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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	Reported:  04/25/25 12:48
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Black River Gas (Plant 3)  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/25/2025 12:48:47PM

**BH07-15'**

**E504166-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>90.7 %</i>	<i>70-130</i>		<i>04/21/25</i>	<i>04/21/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2517006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>92.9 %</i>	<i>70-130</i>		<i>04/21/25</i>	<i>04/21/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	<i>94.8 %</i>	<i>61-141</i>		<i>04/21/25</i>	<i>04/22/25</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2517002	
Chloride	<b>98.3</b>	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)	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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:  4/25/2025 12:48:47PM
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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.



## Page 11 of 12



## 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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Client remark- Only run if BH07-13 is >100 TPH or 600CL. Individual sample temperatures listed on COC.

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 Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 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 regarding 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**  
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Envirotech Web Address: [www.envirotech-inc.com](http://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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 9:03:38AM

**SS01-0'**

**E504222-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.1 %	70-130	04/23/25	04/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2517064	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	04/23/25	04/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		86.8 %	61-141	04/23/25	04/23/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 9:03:38AM

SS01-1'

E504222-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		04/23/25	04/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2517064
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		04/23/25	04/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	86.4 %	61-141		04/23/25	04/23/25	
<b>Anions by EPA 300.0/9056A</b>						
	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2517060-BLK1)</b>					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			

<b>LCS (2517060-BS1)</b>					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			

<b>Matrix Spike (2517060-MS1)</b>					<b>Source: E504225-01</b>		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			

<b>Matrix Spike Dup (2517060-MSD1)</b>					<b>Source: E504225-01</b>		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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

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.

## Page 1 of 1



## 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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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

Client Instruction

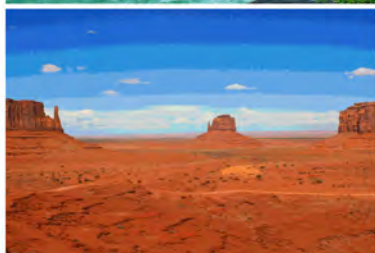
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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 regarding 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  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 9:02:06AM

**SS02-0'**

**E504223-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	04/23/25	04/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2517064	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	04/23/25	04/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		87.8 %	61-141	04/23/25	04/23/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 9:02:06AM

SS02-1'

E504223-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.0 %	70-130		04/23/25	04/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2517064	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.8 %	70-130		04/23/25	04/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	86.0 %	61-141		04/23/25	04/23/25	
<b>Anions by EPA 300.0/9056A</b>	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

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.



## Page 1 of 1



## 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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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

Client Instruction

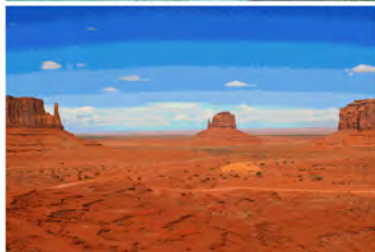
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ashley Giovengo



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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: E504230

Job Number: 23003-0002

Received: 4/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/29/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 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 regarding 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,

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	Reported:  04/29/25 08:53
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 8:53:09AM

**BH12-15'**

**E504230-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2517066	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		100 %	61-141	04/23/25	04/23/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 8:53:09AM

BH12-20'

E504230-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.1 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		100 %	61-141	04/23/25	04/23/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 8:53:09AM

BH12-25'

E504230-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.8 %	70-130		04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2517066	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.1 %	70-130		04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	100 %	61-141		04/23/25	04/23/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 8:53:09AM

BH12-30'

E504230-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.3 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		99.8 %	61-141	04/23/25	04/23/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 8:53:09AM

BH12-35'

E504230-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.2 %	70-130		04/23/25	04/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2517066	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.0 %	70-130		04/23/25	04/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	102 %	61-141		04/23/25	04/23/25	
<b>Anions by EPA 300.0/9056A</b>	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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.



## Chain of Custody

Page 1 of 2

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			E504230		2303-0002					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					Analysis and Method										EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	Y or N	
1354	4/21/25	S	1	BH12-15'		1						X								
1421	I	S	1	BH12-20'		2						Y								
1448	I	S	1	BH12-25'		3						Y								
1517	I	S	1	BH12-30'		4						X								
1551	I	S	1	BH12-35'		5						X								
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	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: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
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															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	Reported: 04/29/25 12:02
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 12:02:06PM

**BH11-15'**

**E504231-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2517066	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		101 %	61-141	04/23/25	04/23/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 12:02:06PM

BH11-20'

E504231-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2517066	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		101 %	61-141	04/23/25	04/23/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 12:02:06PM

BH11-25'

E504231-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	98.8 %	61-141		04/23/25	04/23/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 12:02:06PM

BH11-30'

E504231-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.7 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		98.7 %	61-141	04/23/25	04/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 12:02:06PM

BH11-35'

E504231-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.7 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		99.0 %	61-141	04/23/25	04/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 12:02:06PM

BH11-40'

E504231-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.0 %	70-130	04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		99.1 %	61-141	04/23/25	04/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2025 12:02:06PM

BH11-47.5'

E504231-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2517066
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		04/23/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	98.2 %	61-141		04/23/25	04/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2517062-BLK1)</b>					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			

<b>LCS (2517062-BS1)</b>					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			

<b>Matrix Spike (2517062-MS1)</b>					<b>Source: E504230-04</b>		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			

<b>Matrix Spike Dup (2517062-MSD1)</b>					<b>Source: E504230-04</b>		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.



## Chain of Custody

Page 1 of 1

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		E504231	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						Analysis and Method						EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
															Compliance	Y	or	N	
															PWSID #				
																		Remarks	
0811	4/21/25	S	1	BH11 - 15'		1						X							
0855	4/21/25	S	1	BH11 - 20'		2						X							
0925	4/21/25	S	1	BH11 - 25'		43						X							
1008	4/21/25	S	1	BH11 - 30'		54						X							
1047	4/21/25	S	1	BH11 - 35'		65						X							
1140	4/21/25	S	1	BH11 - 40'		76						X							
1244	4/21/25	S	1	BH11 - 47.5'		87						X							
						CM													
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.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	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: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
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												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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 regarding 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  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/30/2025 8:13:20AM

**BH11-57.5**

**E504236-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.0 %	70-130	04/24/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2517075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.3 %	70-130	04/24/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		104 %	61-141	04/24/25	04/26/25	
<b>Anions by EPA 300.0/9056A</b>	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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.



<b>Client Information</b>				<b>Invoice Information</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>							
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				E54236		23003002					X	X							
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220																			
Address: 3122 National Parks Hwy				Phone: 575-988-0055																			
City, State, Zip: Carlsbad NM, 88220				Email: agioveno@ensolum.com																			
Phone: 575-988-0055				Miscellaneous:																			
Email: agioveno@ensolum.com																							
<b>Sample Information</b>																<b>Analysis and Method</b>				<b>EPA Program</b>			
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			SDWA	CWA	RCRA				
1303	4/22/25	S	1	BH11-57.5		1						X											
Additional Instructions: Please CC: cburton@ensolum.com, agioveno@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	<div style="border: 1px solid black; padding: 5px;"> <p>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</p> <p style="text-align: center;"><b>Lab Use Only</b></p> <p>Received on ice: <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Y</span> N</p> <p>T1 _____ T2 _____ T3 _____</p> <p>AVG Temp °C _____</p> </div>															
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																
Michelle Gonzales		4-23-25	0800	Michelle Gonzales		4-23-25	0800																
Richard Gonzalez		4-23-25	1540	Richard Gonzalez		4-23-25	1540																
Carla Man		4-23-25	2200	Carla Man		4-24-25	715																
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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Individual sample temperatures listed on COC.

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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/30/2025 8:23:33AM

**SS06-0'**

**E504239-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %	70-130	04/24/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2517075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.8 %	70-130	04/24/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		103 %	61-141	04/24/25	04/26/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/30/2025 8:23:33AM

SS06-1'

E504239-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		04/24/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2517075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		04/24/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		04/24/25	04/26/25	
<b>Anions by EPA 300.0/9056A</b>						
	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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:  4/30/2025 8:23:33AM
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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.



## Page 1 of 1



## 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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Individual sample temperatures listed on COC.

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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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

Client Instruction

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

Date



envirotech Inc.



Report to:  
Ashley Giovengo



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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 regarding 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**  
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Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Shinnery Oak SWD #001	Reported:  04/30/25 08:25
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/30/2025 8:25:34AM

**BH12-40'**

**E504240-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	04/24/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2517075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.8 %	70-130	04/24/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		104 %	61-141	04/24/25	04/26/25	
<b>Anions by EPA 300.0/9056A</b>	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/30/2025 8:25:34AM

BH12-50'

E504240-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		04/24/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2517075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		04/24/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		04/24/25	04/26/25	
<b>Anions by EPA 300.0/9056A</b>						
	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  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Shinnery Oak SWD #001  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
4/30/2025 8:25:34AM

BH12-57.5'

E504240-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.8 %	70-130		04/24/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2517075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.7 %	70-130		04/24/25	04/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>	103 %	61-141		04/24/25	04/26/25	
<b>Anions by EPA 300.0/9056A</b>	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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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	<b>Reported:</b>
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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## 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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2517077-BLK1)</b>					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			

<b>LCS (2517077-BS1)</b>					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			

<b>Matrix Spike (2517077-MS1)</b>					<b>Source: E504235-04</b>		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			

<b>Matrix Spike Dup (2517077-MSD1)</b>					<b>Source: E504235-04</b>		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.

## Page 409 of 431

[illegible]

## 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:	agiovento@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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Individual sample temperatures listed on COC.

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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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

Client Instruction

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

Date



envirotech Inc.





## APPENDIX F

### NMOCD Correspondence

---

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	
<i>Please answer all the questions in this group.</i>	
Site Name	Shinnery Oak SWD 1
Date Release Discovered	01/03/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
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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QUESTIONS, Page 2

Action 416909

**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**

<b>Nature and Volume of Release (continued)</b>	
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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ACKNOWLEDGMENTS

Action 416909

**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**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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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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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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 416935

**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**

<b>Prerequisites</b>	
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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QUESTIONS, Page 2

Action 416935

**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**

<b>Nature and Volume of Release (continued)</b>	
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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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 416935

**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**

<b>Site Characterization</b>	
<i>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.</i>	
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.
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
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.

<b>Remediation Plan</b>	
<i>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.</i>	
Requesting a remediation plan approval with this submission	No
<i>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.</i>	

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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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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

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	
<i>Please answer all the questions in this group.</i>	
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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Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 420480

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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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

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**

<b>Prerequisites</b>	
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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**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 495988

**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**

<b>Nature and Volume of Release (continued)</b>	
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: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 08/14/2025
--	--

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QUESTIONS, Page 3

Action 495988

**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**

<b>Site Characterization</b>	
<i>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.</i>	
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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
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

<b>Remediation Plan</b>	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (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
<i>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>	
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
<i>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.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 495988

**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**

<b>Remediation Plan (continued)</b>	
<i>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.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	<b>Yes</b>
Which OCD approved facility will be used for <b>off-site</b> disposal	<i>Not answered.</i>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	<b>Yes</b>
What is the name of the NMED facility	Lea Land Disposal
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<i>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>	
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: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 08/14/2025
<i>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.</i>	

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QUESTIONS, Page 5

Action 495988

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, Page 6

Action 495988

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

Action 495988

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