



November 21, 2025

New Mexico Energy Minerals and Natural Resources Department

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

**Re: Deferral Request
Salado Draw SWD 13 ROTF Facility
Incident Number nAPP2510437615
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of New Wave Energy (New Wave) and Chevron USA Inc. (Chevron), has prepared this *Deferral Request* to document assessment, delineation, excavation, and soil sampling activities at the Salado Draw Saltwater Disposal (SWD) 13 ROTF Facility (Site). The purpose of the remedial activities was to assess for the presence or absence of impacts to soil following a release of produced water. Based on field observations and soil sample laboratory analytical results, Chevron is submitting this *Deferral Request*, describing assessment, delineation, and excavation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2510437615 until the Site is reconstructed, and/or the facility is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit M, Section 13, Township 26 South, Range 32 East, in Lea County, New Mexico (32.0360508°,-103.6366864°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On April 11, 2025, equipment failure on a produced water pipeline resulted in the release of approximately 9 barrels (bbls) of produced water onto the surface of the lined pond wall, down to the adjacent facility pad, and into a previously disturbed pipeline right-of-way (ROW). No released fluids were recovered. Chevron reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and submitted an Initial C-141 Application (Form C-141) on April 14, 2025. The release was assigned Incident Number nAPP2510437615.

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 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below and potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. On August 24, 2024, a soil boring permitted by the New Mexico Office of the State Engineer (C-4880) was completed approximately 0.20 miles west of the Site to a total depth of 112 feet below ground surface (bgs). No groundwater was observed during drilling activities. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. All

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wells used for depth to water determination are depicted on Figure 1 and the referenced Well Record & Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash, located approximately 4,745 feet east 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 underlain by unstable geology (medium potential karst designation area). Potential Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT AND DELINEATION ACTIVITIES

Between April 11 and May 20, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided from Chevron and New Wave, and visual observations. Four delineation soil samples (SS01 through SS04) were collected within the release extent at a depth of 0 feet bgs (surface) to assess the lateral and gross extent of the release. Additionally, boreholes BH/PH01 through BH04 were advanced via heavy equipment and hand auger within the release extent to a terminal depth of 4 feet bgs to define the vertical extent of the release. Discrete soil samples were collected from each borehole from depths ranging from ground surface to 4 feet bgs. The delineation soil samples were field screened for volatile organic compounds (VOCs) and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B. Field screening results and observations of the soil samples from the boreholes were logged on a lithologic/soil sampling log, which are included in Appendix C.

The delineation 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 Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following constituents 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 Standard Method SM4500.

On October 16, 2025, Ensolum personnel returned to the Site to collect additional delineation samples. Delineation soil samples SS05 through SS09 were collected around the release extent at a depth of 0.5 feet bgs (surface) to further define the lateral extent of the release that occurred on the lined pond wall. Delineation soil samples SS05 through SS08 were collected on the slope of the lined pond wall, and delineation soil sample SS09 was collected on top of the lined pond wall near the point-of-release (POR). The soil samples were field screened and handled in the same manner as described above and were

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transported under strict chain-of-custody procedures to Cardinal for analysis of the same COCs mentioned above.

Laboratory analytical results for delineation soil samples SS01, SS03 through SS06, and SS09, indicated TPH and/or chloride concentrations exceeded Site Closure Criteria. Laboratory analytical results for delineation soil samples SS02, SS07, and SS08 indicated all COC concentrations were in compliance with the Site Closure Criteria. Laboratory analytical results for delineation boreholes BH/PH01, BH02, and BH03 indicated chloride and/or TPH concentrations exceeded the Site Closure Criteria at depths ranging from 0.5 feet bgs to 4 feet bgs. Soils in these locations were subsequently excavated and removed from the Site, and the final excavation floor confirmation soil sample concentrations were in compliance with the Site Closure Criteria at each of these areas, successfully defining the vertical extent of the release. Laboratory analytical results for delineation borehole BH04 did not indicate TPH or chloride concentrations exceeding the site Closure Criteria at depths ranging from 0.5 feet bgs to 1-foot bgs. Based on visible staining in the release area, elevated field screening results, and laboratory analytical results, excavation of impacted soil was warranted.

EXCAVATION AND SOIL SAMPLING ACTIVITIES

Between May 27 and July 8, 2025, Ensolum personnel returned to the Site to oversee excavation activities based on delineation soil sample laboratory analytical results and conduct confirmation soil sampling. Excavation activities were performed on the pad and adjacent ROW utilizing heavy equipment, hydro vacuum trucks, and transport vehicles. Soil was excavated between the boundary of the facility fence and pasture to the maximum extent practicable (MEP), leaving the fence support posts in place to maintain structural integrity of the fence (photographs 9, 13, 14, and 15). To direct excavation activities Ensolum personnel field screened for VOCs and chloride using the same methods described above.

Following the removal of impacted soil, 5-point composite soil samples representing no more than 200 square feet were collected from the sidewalls and floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS46 were collected from the floor of the excavation at depths ranging from 3 feet to 4 feet bgs. Confirmation soil samples SW01 through SW13 were collected from the sidewalls of the excavation at depths ranging from ground surface to 4 feet bgs. The soil samples were field screened and handled in the same manner as described above and were transported under strict chain-of-custody procedures to Cardinal for analysis of the same COCs mentioned above. The excavation extent and confirmation soil sample locations were mapped utilizing a GPS unit and are depicted on Figure 3. Photographic documentation of the excavation activities are provided in Appendix B.

SURFACE SCRAPE AND COMPOSITE SOIL SAMPLING ACTIVITIES

Between June 26 and July 10, 2025, Ensolum personnel were at the Site to oversee surface scraping and composite confirmation soil sampling activities in the ROW area and near electrical infrastructure contained within the release extent. Two areas near telecommunication poles and their associated anchors were surface scraped to a depth of 0.5 feet bgs (photographs 16, 20, 21, and 23). Following surface scraping activities, 5-point confirmation soil samples representing no more than 200 square feet were collected in the same manner as described above. Composite confirmation soil samples CS01 through CS21 were collected from the shallow surface scrape at a depth of 0.5 feet bgs. Confirmation soil sample CS21 was collected from the soil immediately surrounding the facility fence support posts that were left in place to maintain structural integrity of the fence. Following review of laboratory analytical results, composite soil samples CS03 and CS09 indicated chloride concentrations exceeded the Site

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Closure Criteria. The areas representing these two soil samples were hand excavated to a depth of 1-foot bgs and soil samples were recollected using the same nomenclature.

On August 11, 2025, Ensolum personnel returned to the Site to collect additional confirmation soil samples along the lined pond wall. Composite soil samples CS22 through CS26 were collected at a depth of 0.5 feet bgs (surface) to assess for impacts to the soil within the release extent on the slope of the lined wall. All confirmation soil samples were collected following the same methods as previously described. The soil samples were field screened and handled in the same manner as described above and were transported under strict chain-of-custody procedures to Cardinal for analysis of the same COCs mentioned above.

The final excavation, surface scrape, and hand excavation extents measured approximately 14,159 square feet. A total of approximately 1,415 cubic yards of impacted soil was removed during excavation activities and was properly disposed of at the R360 Antelope Draw Landfill Facility near Hobbs, New Mexico. Waste manifests will be made available upon request. The surface scrape extent and composite confirmation soil sample locations were mapped utilizing a GPS unit and are depicted on Figure 3. Photographic documentation of the surface scraping activities is provided in Appendix B. The final excavation extent, including the surface scraping extents, were backfilled with material purchased locally and recontoured to match pre-existing Site conditions (Photographs 10, 16, and 22). One representative 5-point composite sample (BF01) was collected from the pad backfill material on June 6, 2025. Composite soil sample BF02 was collected from the topsoil backfill material on July 11, 2025. The backfill soil samples were handled and submitted for the same COCs as described above were transported under strict chain-of-custody procedures to Cardinal for analysis of the same COCs mentioned above.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final excavation confirmation sidewall soil samples (SW01 through SW13), excavation confirmation floor samples (FS01 through FS46), and composite soil samples CS01 through CS21 and CS23, indicated all COC concentrations were in compliance with the Site Closure Criteria. This includes sidewall SW02, which was collected at depths ranging from ground surface to 4 feet bgs immediately adjacent to the lined pond wall. Laboratory analytical results for composite confirmation soil samples CS22, CS24, CS25, and CS26, collected from the slope of the lined pond wall, indicated chloride concentrations exceeding Site Closure Criteria. Laboratory analytical results are summarized on Table 1, and the complete laboratory analytical reports are included in Appendix D.

DEFERRAL REQUEST

Due to a lined, engineered pond wall present throughout the entire area of requested deferral, the remaining impacted soil represented by confirmation soil samples CS22, CS24, CS25, and CS26, at a depth of 0.5 feet bgs, was not removed. Chevron is requesting deferral of final remediation until the facility undergoes major reconstruction or is abandoned. The estimated area of remaining impacted soil measures approximately 972 square feet. A total of approximately 72 cubic yards of impacted soil remains in place, assuming a depth of 2 feet bgs based on the depth of the pond wall liner. The impacted soil is limited to the area of the pond wall which was lined during facility construction and where remediation would require major facility deconstruction. The area of requested deferral has been vertically delineated by excavation soil samples FS03, FS04, FS09, FS10, and FS16 collected at depths ranging from 3 feet bgs to 4 feet bgs. The release extent has been laterally delineated by delineation soil samples SS07 and SS08, confirmation soil sample CS23, and excavation sidewall soil samples SW01 through SW03 collected at depths ranging from ground surface to 4 feet bgs. The proposed deferral area and all delineation and excavation soil samples used to define the deferral area are depicted on Figure 4.

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Chevron does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Based on both the presence of the pond wall and active production equipment and process piping within the release area and the complete lateral and vertical definition of impacted soil remaining in place, Chevron requests deferral of final remediation for Incident Number nAPP2510437615 until final reclamation of the well pad or major construction, whichever comes first.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely,
Ensolum, LLC



Jeremy Reich
Project Geologist



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

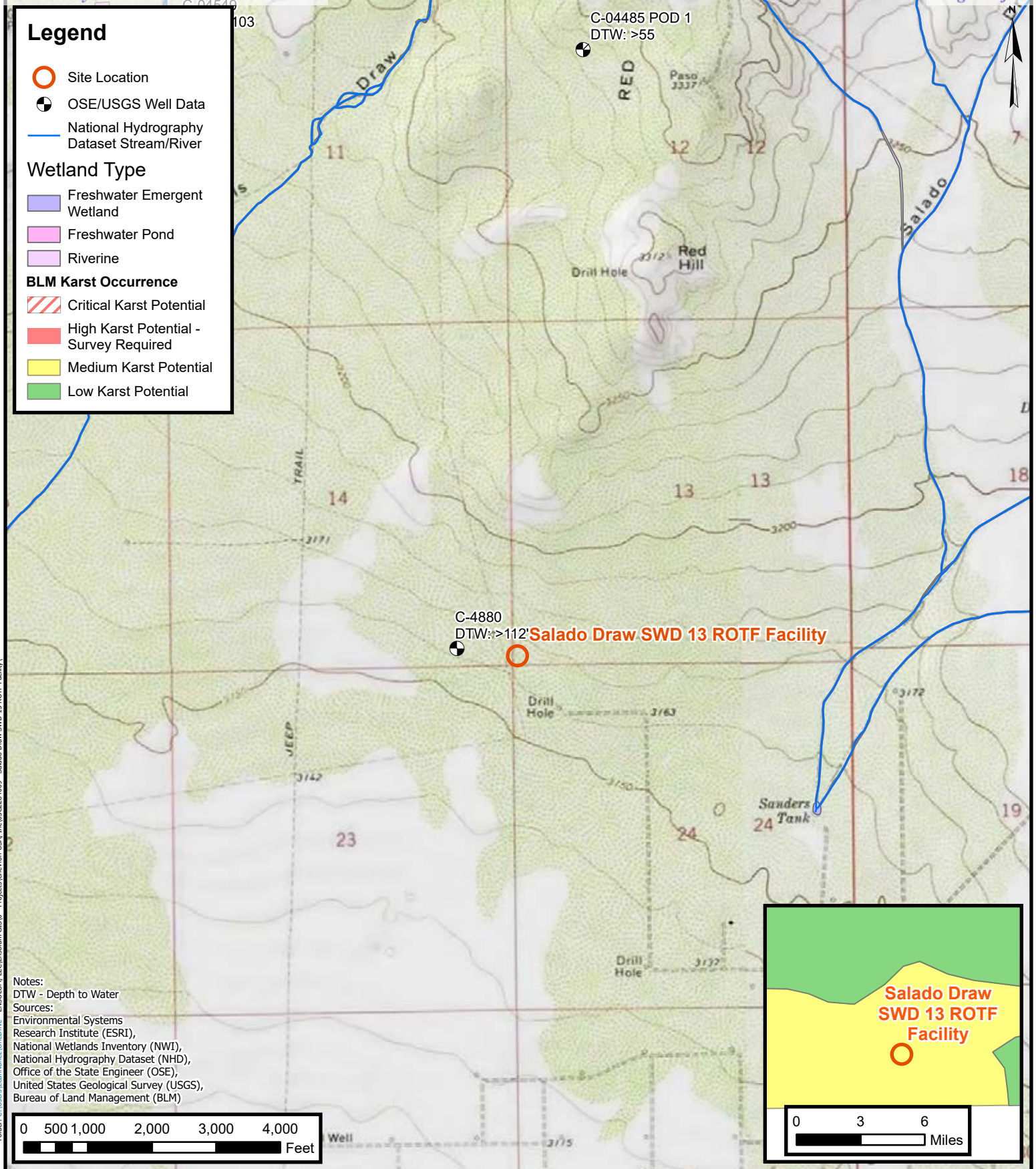
cc: Brock Molander, New Wave
Kennedy Lincoln, Chevron
BLM

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Confirmation Soil Sample Locations
Figure 4	Area of Requested Deferral
Table 1	Soil Sample Analytical Results
Appendix A	Well Record & Log
Appendix B	Photographic Log
Appendix C	Lithologic / Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	Spill Volume Calculation



FIGURES



Site Receptor Map

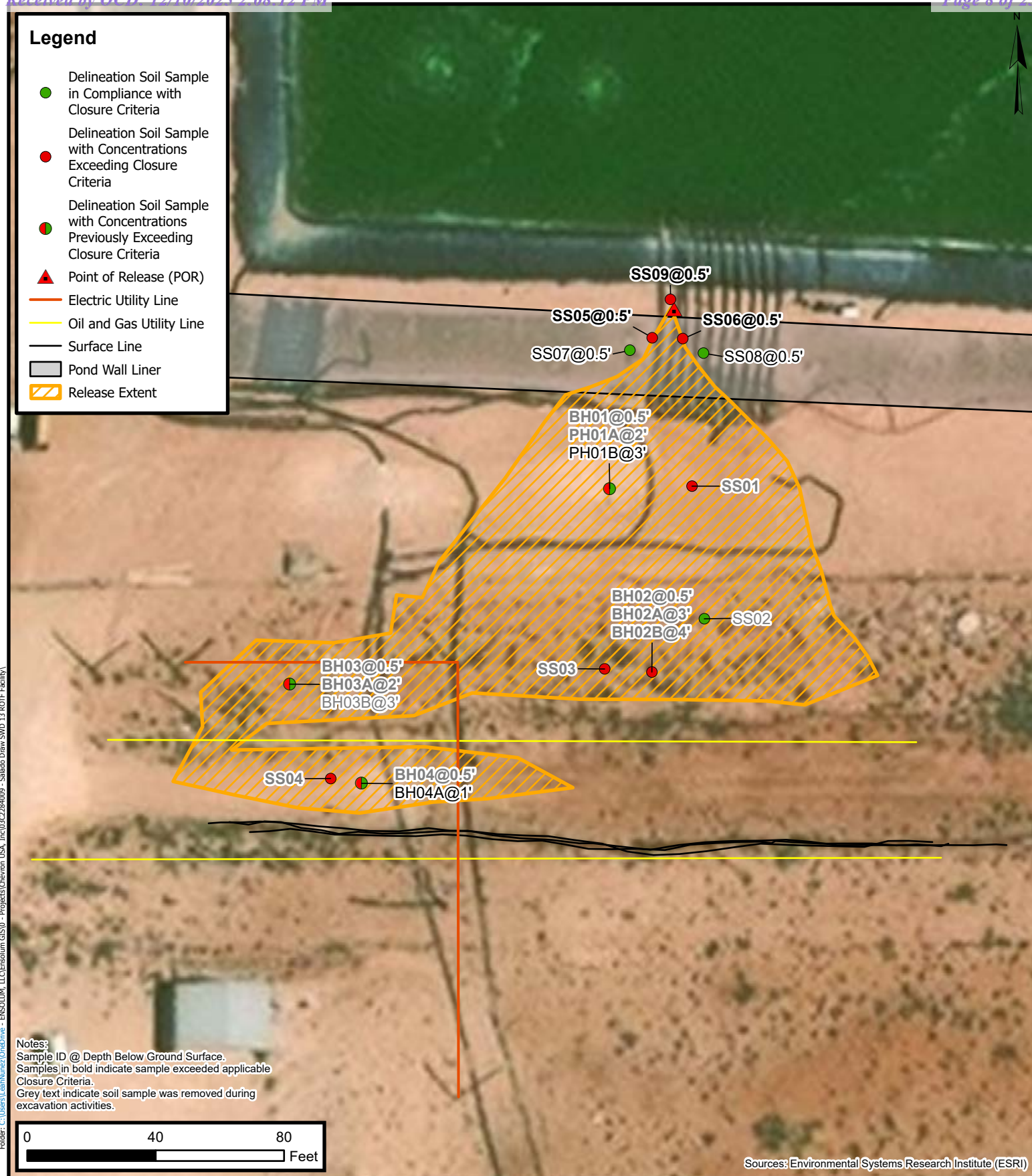
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FIGURE

1

Legend

- 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
- ▲ Point of Release (POR)
- Electric Utility Line
- Oil and Gas Utility Line
- Surface Line
- Pond Wall Liner
- Release Extent



Sources: Environmental Systems Research Institute (ESRI)

Delineation Soil Sample Locations

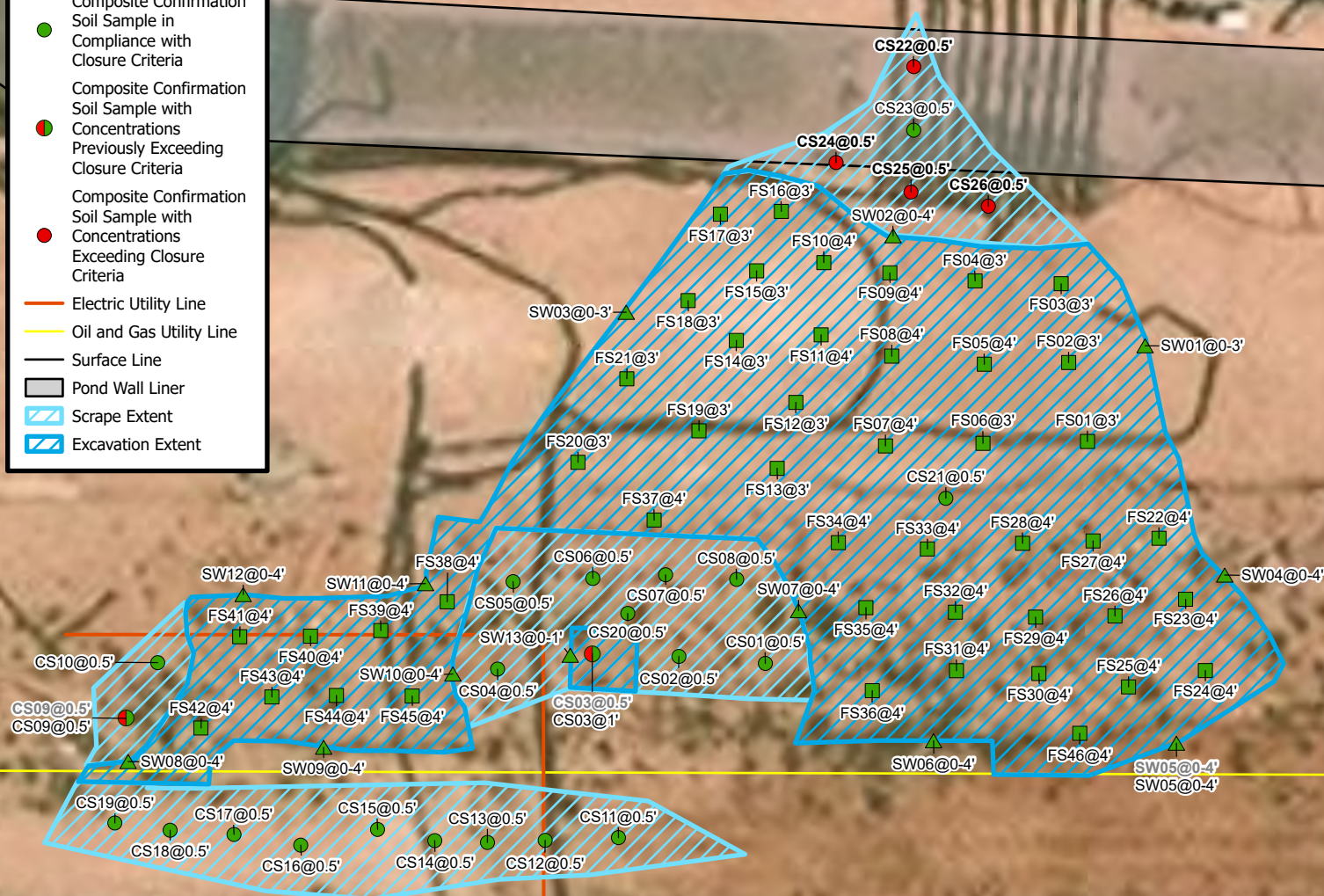
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FIGURE

2

Legend

- Excavation Floor Soil Sample in Compliance with Closure Criteria
- Excavation Sidewall Soil Sample in Compliance with Closure Criteria
- Composite Confirmation Soil Sample in Compliance with Closure Criteria
- Composite Confirmation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Composite Confirmation Soil Sample with Concentrations Exceeding Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Surface Line
- Pond Wall Liner
- Scrape Extent
- Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in **bold** indicate sample exceeded applicable Closure Criteria.
 Grey text indicate soil sample was removed during excavation activities.

0 15 30 60
 Feet

Sources: Environmental Systems Research Institute (ESRI)

Confirmation Soil Sample Locations

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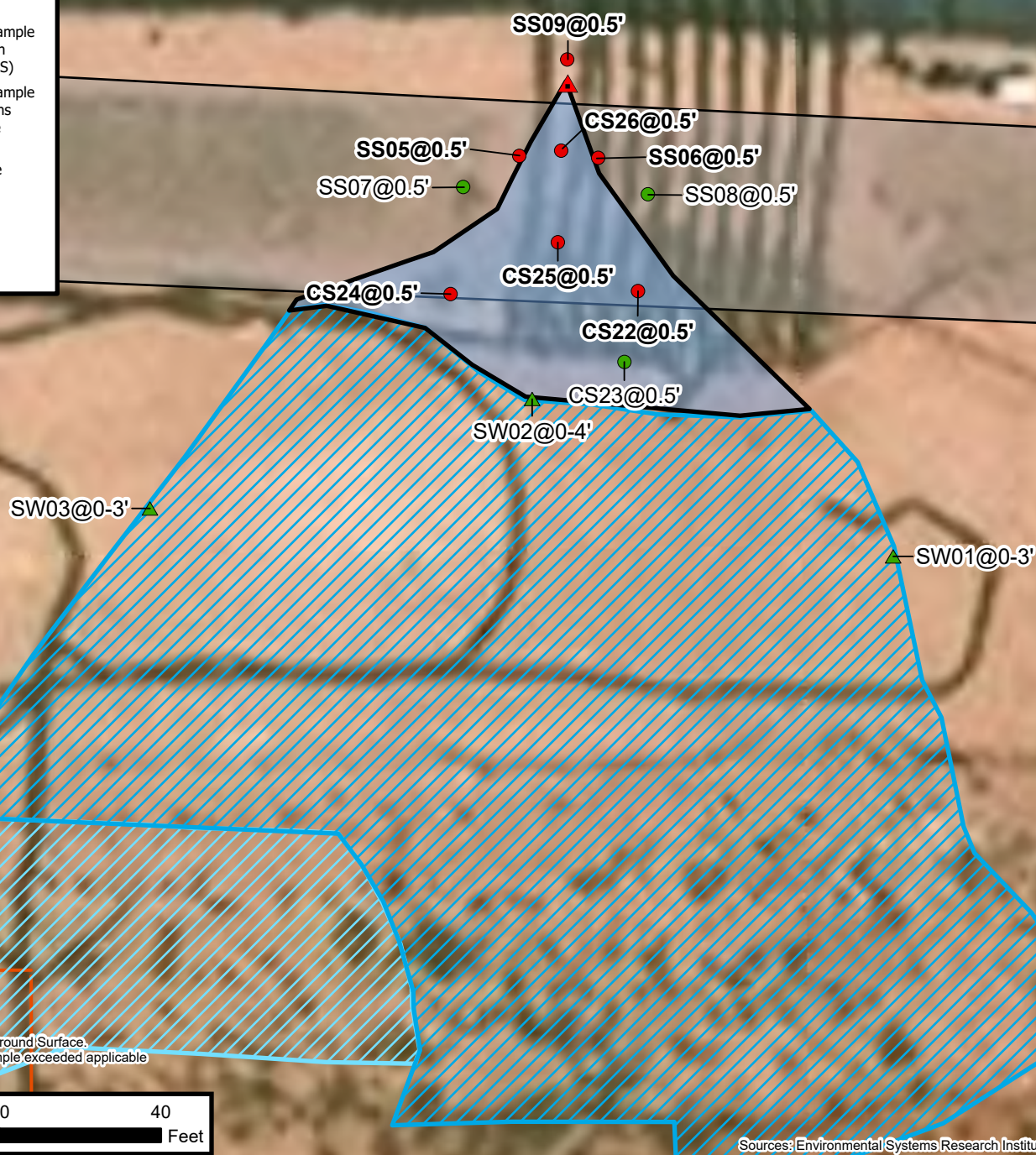
FIGURE

3



Legend

- ▲ Point of Release (POR)
- ▲ Excavation Sidewall Soil Sample in Compliance with Closure Criteria
- Composite Confirmation Soil Sample in Compliance with Closure Criteria (CS)
- Composite Confirmation Soil Sample with Concentrations Exceeding Closure Criteria (CS)
- Delineation Soil Sample in Compliance with Closure Criteria (SS)
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria (SS)
- Electric Utility Line
- Pond Wall Liner
- Deferral Area
- Scrape Extent
- Excavation Extent

**Area of Requested Deferral**

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FIGURE**4**



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Salado Draw SWD 13 ROTF FACILITY
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Sample I.D.	Sample Date	Sample 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
Delineation Soil Samples										
SS01	04/11/2025	0	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,800
SS02	04/11/2025	0	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS03	04/11/2025	0	<0.050	<0.300	<10.0	81.4	19.6	81.4	101	16,200
SS04	04/11/2025	0	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	13,200
SS 05	10/16/2025	0.5	<0.00138	<0.00226	<14.5	225	103	225	328	268
SS 06	10/16/2025	0.5	<0.00139	<0.00228	<14.5	69.8	43.6	69.8	113	316
SS 07	10/16/2025	0.5	<0.00138	<0.00227	<14.5	<15.1	26.5	<15.1	26.5	199
SS 08	10/16/2025	0.5	<0.00139	<0.00228	<14.5	15.1	24.8	15.1	39.9	262
SS 09	10/16/2025	0.5	<0.00139	<0.00229	<14.5	<15.1	16.7	<15.1	16.7	6,530
BH01	05/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,000
PH01A	05/20/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,570
PH01B	05/20/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
BH02	05/19/2025	0.5	<0.050	<0.300	<10.0	99.6	33.7	99.6	133	3,320
BH02A	05/20/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,760
BH02B	05/20/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,600
BH03	05/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
BH03A	05/20/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,420
BH03B	05/20/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
BH04	05/19/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
BH04A	05/19/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
Composite Confirmation Soil Samples										
CS01	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS02	06/26/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS03	07/03/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,000
CS03	08/11/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS04	06/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS05	06/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS06	06/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
CS07	06/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
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Sample I.D.	Sample Date	Sample 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
CS08	06/27/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS09	07/02/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,280
CS09	07/08/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS10	07/02/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS11	07/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS12	07/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS13	07/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS14	07/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS15	07/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS16	07/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS17	07/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS18	07/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS19	07/09/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS20	07/10/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS21	07/10/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS22	08/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,040
CS23	08/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS24	08/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,280
CS25	08/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,600
CS26	08/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,500
Confirmation Floor Soil Samples										
FS01	05/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS02	05/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS03	05/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS04	05/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS05	06/03/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS06	05/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS07	06/03/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS08	06/03/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS09	06/03/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144



TABLE 1
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Salado Draw SWD 13 ROTF FACILITY
Chevron USA Inc.
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample 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
FS10	06/03/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS11	06/03/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS12	05/27/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS13	06/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS14	06/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS15	06/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
FS16	06/02/2025	3	<0.050	<0.300	<10.0	17.9	25.3	17.9	43.2	192
FS17	06/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS18	06/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS19	06/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS20	06/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS21	06/02/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS22	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS23	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS24	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS25	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS26	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS27	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS28	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS29	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS30	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS31	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS32	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS33	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS34	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
FS35	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS36	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS37	07/02/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS38	07/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS39	07/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Salado Draw SWD 13 ROTF FACILITY
Chevron USA Inc.
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample 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
FS40	07/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS41	07/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS42	07/08/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS43	07/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS44	07/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS45	07/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS46	07/09/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
Confirmation Sidewall Soil Samples										
SW01	06/03/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SW02	06/03/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SW03	06/03/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW04	07/02/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SW05	07/03/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768
SW05	07/09/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW06	07/03/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW07	07/03/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SW08	07/08/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW09	07/08/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW10	07/08/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SW11	07/03/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW12	07/03/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW13	08/11/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
Backfill Soil Samples										
BF01	06/06/2025	0	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
BF02	07/11/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). C-4880		
	WELL OWNER NAME(S) Chevron USA Inc. (Agent-H&R Enterprises, LLC/James Hawley)				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS PO 3641				CITY Hobbs	STATE NM	
					ZIP 88241		
WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 02	SECONDS 11.3	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LATITUDE			N			
	LONGITUDE		103	38	22.7	W	
* DATUM REQUIRED: WGS 84							
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley		NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 9-24-24	DRILLING ENDED 9-24-24	DEPTH OF COMPLETED WELL (FT) 112'	BORE HOLE DEPTH (FT) 112'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 9-27-24	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	0' 112'		6"	No Casing left in hole			
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
				N/A			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-04880	POD NO. 1	TRN NO. 766083
LOCATION 26S. 32E. 14. 344	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

FOR OSE INTERNAL USE



APPENDIX B

Photographic Log

**Photographic Log**

Chevron USA Inc.
Salado Draw SWD 13 ROTF Facility
Lea County, New Mexico

80°E (T) • 32.037211, -103.635763 ±4m ▲ 948m



Spill area

Salado Draw 341 Pad
11 Apr 2025, 3:56:36 PM

Photograph: 1

Date: 4/11/2025

Description: Initial assessment activities on pad

View: East

282°W (T) • 32.037045, -103.635277 ±3m ▲ 947m



Spill area

Salado Draw 341 Pad
11 Apr 2025, 4:00:02 PM

Photograph: 2

Date: 4/11/2025

Description: Initial assessment activities in ROW

View: West

NE 60 90 120 150
102°E (T) • 32.036969, -103.636045 ±3m ▲ 941m



Salado Draw 341 pad
19 May 2025, 11:54:14 AM

Photograph: 3

Date: 5/19/2025

Description: Delineation activities in ROW (near CS11 through CS19)

View: East

N 0 30 60 90
34°NE (T) • 32.037084, -103.635581 ±3m ▲ 941m



Salado Draw 341 pad
20 May 2025, 3:08:14 PM

Photograph: 4

Date: 5/20/2025

Description: Delineation activities near BH04

View: East

**Photographic Log**

Chevron USA Inc.
Salado Draw SWD 13 ROTF Facility
Lea County, New Mexico



Photograph: 5 Date: 5/27/2025
Description: Excavation activities near SW03, SW02, FS17, FS16
View: Southeast



Photograph: 6 Date: 5/27/2025
Description: Excavation activities near FS13, FS12
View: South



Photograph: 7 Date: 5/28/2025
Description: Excavation activities near FS20
View: East



Photograph: 8 Date: 5/30/2025
Description: Excavation activities on facility pad.
View: Northeast

**Photographic Log**

Chevron USA Inc.

Salado Draw SWD 13 ROTF Facility

Lea County, New Mexico



Photograph: 9 Date: 6/3/2025
 Description: Excavation activities underneath facility
 fencing near FS20, FS13, FS06, FS01
 View: Southeast



Photograph: 10 Date: 6/11/2025
 Description: Backfill activities on pad
 View: Northeast



Photograph: 11 Date: 6/23/2025
 Description: Excavation activities near FS34
 View: Southeast



Photograph: 12 Date: 6/24/2025
 Description: Excavation activities near FS28, FS27,
 FS22
 View: Southeast

**Photographic Log**

Chevron USA Inc.
Salado Draw SWD 13 ROTF Facility
Lea County, New Mexico



Photograph: 13 Date: 06/25/2025

Description: Excavation activities near FS34

View: East



Photograph: 14 Date: 06/26/2025

Description: Excavation activities near FS37

View: Northwest



Photograph: 15 Date: 06/26/2025

Description: Completed backfill on pad; excavation activities near FS34

View: North



Photograph: 16 Date: 06/27/2025

Description: Excavation/scraping activities near FS45, CS04

View: West

**Photographic Log**

Chevron USA Inc.

Salado Draw SWD 13 ROTF Facility

Lea County, New Mexico



Photograph: 17 Date: 06/27/2025
 Description: Excavation activities near FS36, SW06, SW05
 View: East



Photograph: 18 Date: 07/07/2025
 Description: Excavation activities near FS29, FS25, FS24, SW06, SW05
 View: South



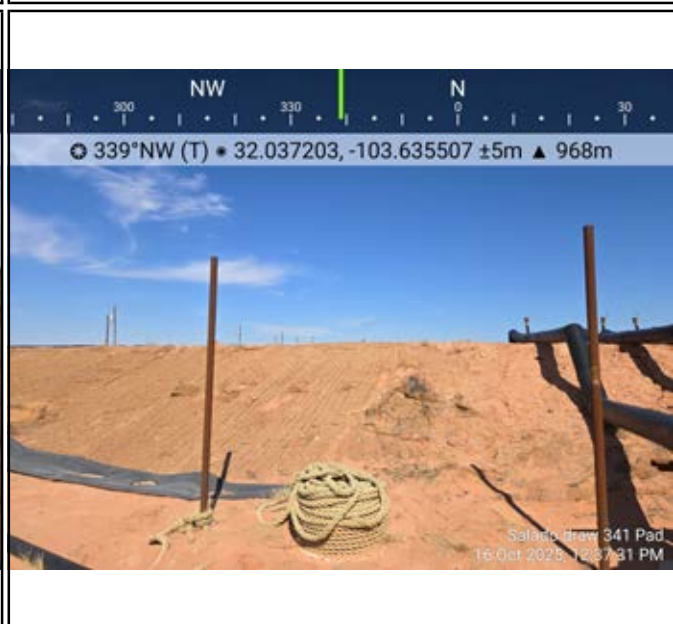
Photograph: 19 Date: 07/09/2025
 Description: Excavation activities near SW07 FS35
 View: East



Photograph: 20 Date: 07/09/2025
 Description: Surface scraping activities near CS11 through CS19
 View: East

**Photographic Log**


Chevron USA Inc.
Salado Draw SWD 13 ROTF Facility
Lea County, New Mexico


	
<p>Photograph: 21 Date: 07/10/2025</p> <p>Description: Excavation/ surface scraping activities near CS04, CS03, CS02, CS01</p> <p>View: North</p>	<p>Photograph: 22 Date: 07/15/2025</p> <p>Description: Backfilling activities in ROW</p> <p>View: East</p>
	
<p>Photograph: 23 Date: 08/11/2025</p> <p>Description: Composite soil sampling activities near CS03</p> <p>View: East</p>	<p>Photograph: 24 Date: 10/16/2025</p> <p>Description: Delineation activities near SS07</p> <p>View: Northwest</p>





APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: BH01		Date: 5/19/2025			
								Site Name: Salado Draw SWD 13 ROTF Facility					
								Incident Number: nAPP2510437615					
								Job Number: 03C2284009					
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JD		Method: HA			
Coordinates: 32.0371888, -103.6355623								Hole Diameter: 4"		Total Depth: 3			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.													
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions					
D	6642	0	Y	BH01	0.5	0	CCHE	Caliche - med - fine grained, some pebble sized clasts, poorly sorted, light brown/tan					
D	2817	0.2	N			1							
D	1658	0	N	PH01A		2	SP-SC	SILTY SAND. (0'-3') fine -vf grained, well sorted, redish brown, sand					
D	241	0	N	PH01B		3							
Total Depth @ 3' bgs													

								Sample Name: BH02		Date: 5/19/2025	
								Site Name: Salado Draw SWD 13 ROTF Facility			
								Incident Number: nAPP2510437615			
								Job Number: 03C2284009			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JD		Method: HA	
Coordinates: 32.0370328, -103.6355237								Hole Diameter: 4"		Total Depth: 4	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	3226	0	Y	BH02	0.5	0	SP-SC	SILTY SAND. (0'-3') fine -vf grained, well sorted, redish brown, sand			
D	8422	0	N			1					
D	18200	0	N			2					
D	4827	0	N	BH02A	3	3					
D	6631	0	N	BH02B	4	4	CCHE	Caliche - med - fine grained, some pebble sized clasts, porly sorted, light brown/tan			
Total Detph @ 4' bgs											
<div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; border-left: 1px solid black; border-bottom: 1px solid black;"></div>											

								Sample Name: BH03		Date: 5/19/2025	
								Site Name: Salado Draw SWD 13 ROTF Facility			
								Incident Number: nAPP2510437615			
								Job Number: 03C2284009			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JD		Method: HA	
Coordinates: 32.0370274, -103.6358865								Hole Diameter: 4"		Total Depth: 3	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	666	0	Y	BH03	0.5	0	SP-SC	SILTY SAND. fine -vf grained, well sorted, reddish brown, sand			
D	1898	0.3				1					
D	1898	0	N	BH03A	2	2					
D	397	0	N	BH03B	3	3					
Total Depth @ 3' bgs											

								Sample Name: BH04		Date: 5/19/2025	
								Site Name: Salado Draw SWD 13 ROTF Facility			
								Incident Number: nAPP2510437615			
								Job Number: 03C2284009			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JD		Method: HA	
Coordinates: 32.0369412, -103.6358151								Hole Diameter: 4"		Total Depth: 1	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	162.4	0	Y	BH04	0.5	0	SP-SC	SILTY SAND. fine -vf grained, well sorted, reddish brown, sand			
D	324.8	0	N	BH04A	1	1					
Total Depth @ 1' bgs											



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 16, 2025

JEREMY REICH
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: SALADA DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 04/14/25 12:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in dark ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/14/2025
 Reported: 04/16/2025
 Project Name: SALADA DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: 32.0370210, -103.6362120

Sampling Date: 04/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 01 0' (H252197-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2025	ND	1.99	99.7	2.00	1.98	QM-07
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEx	<0.300	0.300	04/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	04/15/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2025	ND	200	100	200	0.216	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	192	95.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					

Surrogate: 1-Chlorooctane 95.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/14/2025
 Reported: 04/16/2025
 Project Name: SALADA DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: 32.0370210, -103.6362120

Sampling Date: 04/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 02 0' (H252197-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/15/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2025	ND	200	100	200	0.216	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	192	95.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					

Surrogate: 1-Chlorooctane 91.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/14/2025
 Reported: 04/16/2025
 Project Name: SALADA DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: 32.0370210, -103.6362120

Sampling Date: 04/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 03 0' (H252197-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2025	ND	1.99	99.7	2.00	1.98	
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49	
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34	
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69	
Total BTEX	<0.300	0.300	04/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16200	16.0	04/15/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2025	ND	200	100	200	0.216	
DRO >C10-C28*	81.4	10.0	04/15/2025	ND	192	95.9	200	2.45	
EXT DRO >C28-C36	19.6	10.0	04/15/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/14/2025
 Reported: 04/16/2025
 Project Name: SALADA DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: 32.0370210, -103.6362120

Sampling Date: 04/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 04 0' (H252197-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2025	ND	1.99	99.7	2.00	1.98		
Toluene*	<0.050	0.050	04/15/2025	ND	2.12	106	2.00	4.49		
Ethylbenzene*	<0.050	0.050	04/15/2025	ND	2.34	117	2.00	4.34		
Total Xylenes*	<0.150	0.150	04/15/2025	ND	7.12	119	6.00	2.69		
Total BTEX	<0.300	0.300	04/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13200	16.0	04/15/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2025	ND	200	100	200	0.216	
DRO >C10-C28*	<10.0	10.0	04/15/2025	ND	192	95.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	04/15/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

BILL TO

ANALYSIS REQUEST

Project Manager: Jeremy Reich

P.O. #: 0362284004

Address: 601 N. Marnefeld Rd Ste 400

Company: Ensolum

City: Midland

State: TX Zip: 79701

Attn: Jeremy Reich

Phone #: (432) 926-0627

Fax #:

Address: 601 N. Marnefeld Rd

Project #: 0362284004

Project Owner:

City: Midland

Project Name: Salado Draw 341 Pad

State: TX Zip: 79701

Project Location: 32.0370210, -103.6362120

Phone #: (432) 926-0627

Sample Name: Trevor Wargo

Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	TPH	Chloride
HTS9197	5501	0'	C	1			✓	✓			✓	✓	✓	01/21/25	15:38	X	X	X
	5502	0'	C	1			✓	✓			✓	✓	✓		15:48	X	X	X
	5503	0'	C	1			✓	✓			✓	✓	✓		15:50	X	X	X
	5504	0'	C	1			✓	✓			✓	✓	✓		15:53	X	X	X

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Relinquished By: Trevor Wargo

Received By: [Signature]

Verbal Results: ☐ Yes ☐ No Add'l Phone #:

Remarks: J.Reich@ensolum.com, T.Morrissey@ensolum.com, K.Thompson@ensolum.com

Relinquished By: Trevor Wargo

Received By: [Signature]

Remarks:

Delivered By: (Circle One)	Observed Temp., °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp., °C	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer #	RUSB	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp., °C
	1.1			4-4-28	4-4-28		4-4-28

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabnrm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 23, 2025

JEREMY REICH
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 05/20/25 13:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/23/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: BH 04 0.5' (H253021-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2025	ND	2.11	106	2.00	5.11		
Toluene*	<0.050	0.050	05/21/2025	ND	2.05	103	2.00	3.19		
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	104	2.00	3.92		
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.43	107	6.00	1.45		
Total BTEX	<0.300	0.300	05/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/21/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/20/2025	ND	213	106	200	0.225	
DRO >C10-C28*	<10.0	10.0	05/20/2025	ND	202	101	200	0.919	
EXT DRO >C28-C36	<10.0	10.0	05/20/2025	ND					

Surrogate: 1-Chlorooctane 95.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/23/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: BH 04A 1' (H253021-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2025	ND	2.11	106	2.00	5.11	
Toluene*	<0.050	0.050	05/21/2025	ND	2.05	103	2.00	3.19	
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	104	2.00	3.92	
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.43	107	6.00	1.45	
Total BTX	<0.300	0.300	05/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	05/21/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/20/2025	ND	213	106	200	0.225	
DRO >C10-C28*	<10.0	10.0	05/20/2025	ND	202	101	200	0.919	
EXT DRO >C28-C36	<10.0	10.0	05/20/2025	ND					

Surrogate: 1-Chlorooctane 92.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/20/2025
 Reported: 05/23/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 05/19/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 03 0.5' (H253021-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2025	ND	2.11	106	2.00	5.11		
Toluene*	<0.050	0.050	05/21/2025	ND	2.05	103	2.00	3.19		
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	104	2.00	3.92		
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.43	107	6.00	1.45		
Total BTX	<0.300	0.300	05/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	05/21/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/20/2025	ND	213	106	200	0.225	
DRO >C10-C28*	<10.0	10.0	05/20/2025	ND	202	101	200	0.919	
EXT DRO >C28-C36	<10.0	10.0	05/20/2025	ND					

Surrogate: 1-Chlorooctane 97.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/23/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: BH 02 0.5' (H253021-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2025	ND	2.11	106	2.00	5.11		
Toluene*	<0.050	0.050	05/21/2025	ND	2.05	103	2.00	3.19		
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	104	2.00	3.92		
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.43	107	6.00	1.45		
Total BTEX	<0.300	0.300	05/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3320	16.0	05/21/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/20/2025	ND	213	106	200	0.225	
DRO >C10-C28*	99.6	10.0	05/20/2025	ND	202	101	200	0.919	
EXT DRO >C28-C36	33.7	10.0	05/20/2025	ND					

Surrogate: 1-Chlorooctane 91.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/23/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: BH 01 0.5' (H253021-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2025	ND	2.11	106	2.00	5.11		
Toluene*	<0.050	0.050	05/21/2025	ND	2.05	103	2.00	3.19		
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	2.09	104	2.00	3.92		
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.43	107	6.00	1.45		
Total BTX	<0.300	0.300	05/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	05/21/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	213	106	200	0.225	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	202	101	200	0.919	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please email changes to celeey.keene@cardinalslabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 28, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 05/22/25 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	05/22/2025	Sampling Date:	05/20/2025
Reported:	05/28/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: PH 01A 2' (H253090-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/23/2025	ND	2.17	108	2.00	0.635		
Toluene*	<0.050	0.050	05/23/2025	ND	2.20	110	2.00	0.650		
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.12	106	2.00	0.944		
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.28	105	6.00	0.981		
Total BTX	<0.300	0.300	05/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	05/23/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2025	ND	183	91.3	200	2.68	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	177	88.7	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/22/2025
 Reported: 05/28/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 05/20/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 01B 3' (H253090-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/23/2025	ND	2.17	108	2.00	0.635		
Toluene*	<0.050	0.050	05/23/2025	ND	2.20	110	2.00	0.650		
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.12	106	2.00	0.944		
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.28	105	6.00	0.981		
Total BTEx	<0.300	0.300	05/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	05/23/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2025	ND	183	91.3	200	2.68	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	177	88.7	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/22/2025
 Reported: 05/28/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 05/20/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH 03A 2' (H253090-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.17	108	2.00	0.635	
Toluene*	<0.050	0.050	05/23/2025	ND	2.20	110	2.00	0.650	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.12	106	2.00	0.944	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.28	105	6.00	0.981	
Total BTX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	05/23/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2025	ND	183	91.3	200	2.68	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	177	88.7	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 05/22/2025
Reported: 05/28/2025
Project Name: SALADO DRAW 341 PAD
Project Number: 03C2284009
Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 05/20/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH 03B 3' (H253090-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.17	108	2.00	0.635	
Toluene*	<0.050	0.050	05/23/2025	ND	2.20	110	2.00	0.650	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.12	106	2.00	0.944	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.28	105	6.00	0.981	
Total BTX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	05/23/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2025	ND	183	91.3	200	2.68	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	177	88.7	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/22/2025
 Reported: 05/28/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 05/20/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH 02A 3' (H253090-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.17	108	2.00	0.635	
Toluene*	<0.050	0.050	05/23/2025	ND	2.20	110	2.00	0.650	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.12	106	2.00	0.944	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.28	105	6.00	0.981	
Total BTX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	05/23/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2025	ND	183	91.3	200	2.68	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	177	88.7	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/22/2025
 Reported: 05/28/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 05/20/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH 02B 4' (H253090-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.17	108	2.00	0.635	
Toluene*	<0.050	0.050	05/23/2025	ND	2.20	110	2.00	0.650	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.12	106	2.00	0.944	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.28	105	6.00	0.981	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	05/23/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2025	ND	183	91.3	200	2.68	
DRO >C10-C28*	<10.0	10.0	05/23/2025	ND	177	88.7	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	05/23/2025	ND					

Surrogate: 1-Chlorooctane 99.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 03, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 05/29/25 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	05/29/2025	Sampling Date:	05/27/2025
Reported:	06/03/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 01 3' (H253212-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.79	89.7	2.00	6.54		
Toluene*	<0.050	0.050	05/30/2025	ND	1.97	98.5	2.00	6.63		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.85	92.4	2.00	7.29		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.56	92.6	6.00	7.02		
Total BTX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/29/2025
 Reported: 06/03/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 05/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 02 3' (H253212-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.79	89.7	2.00	6.54		
Toluene*	<0.050	0.050	05/30/2025	ND	1.97	98.5	2.00	6.63		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.85	92.4	2.00	7.29		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.56	92.6	6.00	7.02		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 98.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/29/2025
 Reported: 06/03/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 05/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 03 3' (H253212-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.79	89.7	2.00	6.54		
Toluene*	<0.050	0.050	05/30/2025	ND	1.97	98.5	2.00	6.63		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.85	92.4	2.00	7.29		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.56	92.6	6.00	7.02		
Total BTEx	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 95.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.9 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 05/29/2025
Reported: 06/03/2025
Project Name: SALADO DRAW 341 PAD
Project Number: 03C2284009
Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 05/27/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 04 3' (H253212-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.79	89.7	2.00	6.54		
Toluene*	<0.050	0.050	05/30/2025	ND	1.97	98.5	2.00	6.63		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.85	92.4	2.00	7.29		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.56	92.6	6.00	7.02		
Total BTEx	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 94.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.9 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/29/2025
 Reported: 06/03/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 05/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 06 3' (H253212-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.79	89.7	2.00	6.54		
Toluene*	<0.050	0.050	05/30/2025	ND	1.97	98.5	2.00	6.63		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.85	92.4	2.00	7.29		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.56	92.6	6.00	7.02		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 89.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/29/2025
 Reported: 06/03/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 05/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 12 3' (H253212-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2025	ND	1.79	89.7	2.00	6.54		
Toluene*	<0.050	0.050	05/30/2025	ND	1.97	98.5	2.00	6.63		
Ethylbenzene*	<0.050	0.050	05/30/2025	ND	1.85	92.4	2.00	7.29		
Total Xylenes*	<0.150	0.150	05/30/2025	ND	5.56	92.6	6.00	7.02		
Total BTEX	<0.300	0.300	05/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	05/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/30/2025	ND	189	94.4	200	1.85	
DRO >C10-C28*	<10.0	10.0	05/30/2025	ND	177	88.3	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	05/30/2025	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Jeremy Reich

Address: 601 N Marlenfeld Street, Suite 400

City: Midland

Phone #: 432-296-0627

Project #: 03C2284009

Project Name: Salado Draw 341 Pad

Project Location: 32.0370210, -103.6362120

Sampler Name: Jesse Dorman

P.O. #:

Company: Ensolum, LLC

Attn: Jeremy Reich

Address: 601 N Marlenfeld Street, Suite 400

City: Midland

State: NM Zip: 79701

Phone #:

Fax #:

BILL TO

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	DATE	TIME	ANALYSIS REQUEST			
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER				ACID/BASE	ICE / COOL	OTHER	TPH 8015
HS3212	FS01	3'										5/3/25	9:15				
	FS02												9:20				
	FS03												9:25				
	FS04												9:30				
	FS06												10:15				
	FS12												11:25				

PLEASE NOTE: Liability and Damages, Cardinal's liability and damages are limited to the amount paid by the client for the service. All claims, including those for negligence and any other claims whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal. Reproduction of whatever kind is prohibited without the express written consent of Cardinal Laboratories.

Relinquished By:

Date: 5-29-25

Received By:

Verbal Result:

Yes No

Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com

Relinquished By:

Date: 1/3/40

Received By:

REMARKS:

Incident Number: NAPP2510437615

Facility: TFO1716430540

Delivered By: (Circle One)

Observed Temp: 1.3

Sample Condition

CHECKED BY: (Initials)

Turnaround Time: 1/40

Standard

Bacteria (only)

Sample Condition

Sampler - UPS - Bus - Other:

Corrected Temp: 0.9

Cool Intact

Yes No

Thermometer ID: 743

Corrected Temp: 0.5

Yes No

Observed Temp: 1.3

Corrected Temp: 0.9

FORM 000-R-3-2 (10/17/12)

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalpsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 05, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 06/03/25 11:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	06/03/2025	Sampling Date:	06/02/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 13 3' (H253287-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/03/2025	ND	2.10	105	2.00	5.11		
Toluene*	<0.050	0.050	06/03/2025	ND	2.06	103	2.00	4.91		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.00	100	2.00	3.88		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.60		
Total BTEX	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	06/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	212	106	200	0.188	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	195	97.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 76.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/03/2025
 Reported: 06/05/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 14 3' (H253287-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/03/2025	ND	2.10	105	2.00	5.11		
Toluene*	<0.050	0.050	06/03/2025	ND	2.06	103	2.00	4.91		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.00	100	2.00	3.88		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.60		
Total BTEx	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	06/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	212	106	200	0.188	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	195	97.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 66.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	06/03/2025	Sampling Date:	06/02/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 15 3' (H253287-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/03/2025	ND	2.10	105	2.00	5.11		
Toluene*	<0.050	0.050	06/03/2025	ND	2.06	103	2.00	4.91		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.00	100	2.00	3.88		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.60		
Total BTEx	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	06/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	212	106	200	0.188	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	195	97.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 75.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	06/03/2025	Sampling Date:	06/02/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 16 3' (H253287-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2025	ND	2.10	105	2.00	5.11	
Toluene*	<0.050	0.050	06/03/2025	ND	2.06	103	2.00	4.91	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.00	100	2.00	3.88	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.60	
Total BTX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	06/04/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	212	106	200	0.188	
DRO >C10-C28*	17.9	10.0	06/03/2025	ND	195	97.7	200	4.22	
EXT DRO >C28-C36	25.3	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.5 % 40.6-153

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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	06/03/2025	Sampling Date:	06/02/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 17 3' (H253287-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/03/2025	ND	2.10	105	2.00	5.11		
Toluene*	<0.050	0.050	06/03/2025	ND	2.06	103	2.00	4.91		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.00	100	2.00	3.88		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.60		
Total BTEx	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/03/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	212	106	200	0.188	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	195	97.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 73.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.5 % 40.6-153

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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	06/03/2025	Sampling Date:	06/02/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 18 3' (H253287-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/03/2025	ND	2.10	105	2.00	5.11		
Toluene*	<0.050	0.050	06/03/2025	ND	2.06	103	2.00	4.91		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.00	100	2.00	3.88		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.60		
Total BTEx	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/03/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	212	106	200	0.188	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	195	97.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	06/03/2025	Sampling Date:	06/02/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 19 3' (H253287-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/03/2025	ND	2.10	105	2.00	5.11		
Toluene*	<0.050	0.050	06/03/2025	ND	2.06	103	2.00	4.91		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.00	100	2.00	3.88		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.60		
Total BTEX	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/03/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	212	106	200	0.188	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	195	97.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 79.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	06/03/2025	Sampling Date:	06/02/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 20 3' (H253287-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2025	ND	2.10	105	2.00	5.11	
Toluene*	<0.050	0.050	06/03/2025	ND	2.06	103	2.00	4.91	
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.00	100	2.00	3.88	
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.60	
Total BTEX	<0.300	0.300	06/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/03/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2025	ND	212	106	200	0.188	
DRO >C10-C28*	<10.0	10.0	06/03/2025	ND	195	97.7	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	06/03/2025	ND					

Surrogate: 1-Chlorooctane 75.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	06/03/2025	Sampling Date:	06/02/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 21 3' (H253287-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/03/2025	ND	2.10	105	2.00	5.11		
Toluene*	<0.050	0.050	06/03/2025	ND	2.06	103	2.00	4.91		
Ethylbenzene*	<0.050	0.050	06/03/2025	ND	2.00	100	2.00	3.88		
Total Xylenes*	<0.150	0.150	06/03/2025	ND	6.18	103	6.00	2.60		
Total BTEx	<0.300	0.300	06/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	06/03/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	212	106	200	0.341	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	187	93.3	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in cursive script, appearing to read "Celey D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 05, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 06/04/25 9:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	06/04/2025	Sampling Date:	06/03/2025
Reported:	06/05/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 05 4' (H253324-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.14	107	2.00	8.71		
Toluene*	<0.050	0.050	06/04/2025	ND	2.13	107	2.00	8.17		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.08	104	2.00	9.71		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.42	107	6.00	8.50		
Total BTEX	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/04/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	188	94.2	200	0.824	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	198	98.8	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/04/2025
 Reported: 06/05/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 07 4' (H253324-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.14	107	2.00	8.71		
Toluene*	<0.050	0.050	06/04/2025	ND	2.13	107	2.00	8.17		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.08	104	2.00	9.71		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.42	107	6.00	8.50		
Total BTX	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	06/04/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	209	105	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	192	96.0	200	0.520	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/04/2025
 Reported: 06/05/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 08 4' (H253324-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2025	ND	2.14	107	2.00	8.71	
Toluene*	<0.050	0.050	06/04/2025	ND	2.13	107	2.00	8.17	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.08	104	2.00	9.71	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.42	107	6.00	8.50	
Total BTEX	<0.300	0.300	06/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/04/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	209	105	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	192	96.0	200	0.520	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/04/2025
 Reported: 06/05/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 09 4' (H253324-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.14	107	2.00	8.71		
Toluene*	<0.050	0.050	06/04/2025	ND	2.13	107	2.00	8.17		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.08	104	2.00	9.71		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.42	107	6.00	8.50		
Total BTX	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/04/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	209	105	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	192	96.0	200	0.520	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/04/2025
 Reported: 06/05/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 10 4' (H253324-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.14	107	2.00	8.71		
Toluene*	<0.050	0.050	06/04/2025	ND	2.13	107	2.00	8.17		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.08	104	2.00	9.71		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.42	107	6.00	8.50		
Total BTEX	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/04/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	209	105	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	192	96.0	200	0.520	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 77.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 06/04/2025
Reported: 06/05/2025
Project Name: SALADO DRAW 341 PAD
Project Number: 03C2284009
Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/03/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 11 4' (H253324-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.14	107	2.00	8.71		
Toluene*	<0.050	0.050	06/04/2025	ND	2.13	107	2.00	8.17		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.08	104	2.00	9.71		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.42	107	6.00	8.50		
Total BTX	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/04/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	209	105	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	192	96.0	200	0.520	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/04/2025
 Reported: 06/05/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 01 0-3' (H253324-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.14	107	2.00	8.71		
Toluene*	<0.050	0.050	06/04/2025	ND	2.13	107	2.00	8.17		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.08	104	2.00	9.71		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.42	107	6.00	8.50		
Total BTX	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	06/04/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	209	105	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	192	96.0	200	0.520	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/04/2025
 Reported: 06/05/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 02 0-4' (H253324-08)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2025	ND	2.14	107	2.00	8.71		
Toluene*	<0.050	0.050	06/04/2025	ND	2.13	107	2.00	8.17		
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.08	104	2.00	9.71		
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.42	107	6.00	8.50		
Total BTX	<0.300	0.300	06/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/04/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	209	105	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	192	96.0	200	0.520	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/04/2025
 Reported: 06/05/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 03 0-3' (H253324-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2025	ND	2.14	107	2.00	8.71	
Toluene*	<0.050	0.050	06/04/2025	ND	2.13	107	2.00	8.17	
Ethylbenzene*	<0.050	0.050	06/04/2025	ND	2.08	104	2.00	9.71	
Total Xylenes*	<0.150	0.150	06/04/2025	ND	6.42	107	6.00	8.50	
Total BTX	<0.300	0.300	06/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/04/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2025	ND	209	105	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	192	96.0	200	0.520	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Cley D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Company Name: Ensolum, LLC						BILL TO						ANALYSIS REQUEST												
Project Manager: Jeremy Reich						P.O. #:																		
Address: 601 N Marlenfeld Street Suite 400						Company: Ensolum, LLC																		
City: Midland						Attn: Jeremy Reich																		
Phone #: 432-296-0627						Address: 601 N Marlenfeld Street, Suite 400																		
State: TX Zip: 79701																								
Project #: 03C2284009						City: Midland																		
Project Name: Salado Draw 341 Pad						State: NM Zip: 79701																		
Project Location: 32.0370210, -103.6362120						Phone #:																		
Sampler Name: Jesse Dorman						Fax #:																		
FOR LAB USE ONLY																								
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500						
10533304	FS05	4'	C	1										6/3/25	9:30									
2	FS07													9:35	9:30									
3	FS08													10:15	10:30									
4	FS09													10:20	10:35									
5	FS10													10:25	10:50									
6	FS11													10:55	12:10									
7	SMD1	0-3'																						
8	SMD2	0-4'																						
9	SMD3	0-3'																						

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Relinquished By: _____
Date: 6-4-25
Time: 9:10
Received By: _____
Date: _____
Time: _____

Delivered By: (Circle One) _____
Corrected Temp: °C 34.1
Observed Temp: °C 37.1
Sample Condition: Cool Intact Yes No
Checked BY: (Initials) AP
Turnaround Time: Standard Rush
Thermometer ID #13 13
Correction Factor: 0.003
Bacteria (only) Sample Condition: Cool Intact Yes No
Observed Temp: °C _____
Corrected Temp: °C _____

REMARKS: Incident Number: NAPP2510437615
Facility TIO1716430540

Verbal Result: ☐ Yes ☒ No **Add'l Phone #:** _____
All Results are emailed. Please provide Email address: JReich@ensolum.com
BBell@ensolum.com, TMorrissey@ensolum.com,
THillard@ensolum.com, KThomason@ensolum.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 11, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 06/09/25 12:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	06/09/2025	Sampling Date:	06/06/2025
Reported:	06/11/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: BF 01 0' (H253419-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2025	ND	2.08	104	2.00	9.90		
Toluene*	<0.050	0.050	06/09/2025	ND	2.26	113	2.00	9.23		
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.11	105	2.00	9.51		
Total Xylenes*	<0.150	0.150	06/09/2025	ND	6.33	106	6.00	9.49		
Total BTX	<0.300	0.300	06/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/09/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	216	108	200	0.0648	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	208	104	200	0.634	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					

Surrogate: 1-Chlorooctane 92.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(of 1

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 01, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 06/30/25 12:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	06/30/2025	Sampling Date:	06/26/2025
Reported:	07/01/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: CS 01 0.5' (H253921-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.92	96.2	2.00	0.848		
Toluene*	<0.050	0.050	06/30/2025	ND	1.96	98.1	2.00	0.936		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.00	99.9	2.00	1.29		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.96	99.4	6.00	1.18		
Total BTEx	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/30/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.2	200	2.35	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	189	94.4	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/30/2025
 Reported: 07/01/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS 02 0.5' (H253921-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.92	96.2	2.00	0.848		
Toluene*	<0.050	0.050	06/30/2025	ND	1.96	98.1	2.00	0.936		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.00	99.9	2.00	1.29		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.96	99.4	6.00	1.18		
Total BTEx	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/30/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.2	200	2.35	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	189	94.4	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/30/2025
 Reported: 07/01/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS 04 0.5' (H253921-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.92	96.2	2.00	0.848		
Toluene*	<0.050	0.050	06/30/2025	ND	1.96	98.1	2.00	0.936		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.00	99.9	2.00	1.29		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.96	99.4	6.00	1.18		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.2	200	2.35	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	189	94.4	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/30/2025
 Reported: 07/01/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS 05 0.5' (H253921-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2025	ND	1.92	96.2	2.00	0.848		
Toluene*	<0.050	0.050	06/30/2025	ND	1.96	98.1	2.00	0.936		
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.00	99.9	2.00	1.29		
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.96	99.4	6.00	1.18		
Total BTEX	<0.300	0.300	06/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/30/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.2	200	2.35	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	189	94.4	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/30/2025
 Reported: 07/01/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS 07 0.5' (H253921-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2025	ND	1.92	96.2	2.00	0.848	
Toluene*	<0.050	0.050	06/30/2025	ND	1.96	98.1	2.00	0.936	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.00	99.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.96	99.4	6.00	1.18	
Total BTEx	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/30/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.2	200	2.35	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	189	94.4	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 97.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/30/2025
 Reported: 07/01/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS 08 0.5' (H253921-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2025	ND	1.92	96.2	2.00	0.848	
Toluene*	<0.050	0.050	06/30/2025	ND	1.96	98.1	2.00	0.936	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.00	99.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.96	99.4	6.00	1.18	
Total BTEx	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/30/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.2	200	2.35	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	189	94.4	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 97.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/30/2025
 Reported: 07/01/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 06/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS 06 0.5' (H253921-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2025	ND	1.92	96.2	2.00	0.848	
Toluene*	<0.050	0.050	06/30/2025	ND	1.96	98.1	2.00	0.936	
Ethylbenzene*	<0.050	0.050	06/30/2025	ND	2.00	99.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	06/30/2025	ND	5.96	99.4	6.00	1.18	
Total BTEx	<0.300	0.300	06/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	06/30/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2025	ND	192	96.2	200	2.35	
DRO >C10-C28*	<10.0	10.0	06/30/2025	ND	189	94.4	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/30/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Project Manager: Jeremy Reich				BILL TO				ANALYSIS REQUEST			
Address: 601 N Marlenfield Street, Suite 400				P.O. #:							
City: Midland				Company: Ensolum, LLC							
Phone #: 432-296-0627				Attn: Jeremy Reich							
State: TX Zip: 79701				Address: 601 N Marlenfield Street, Suite 400							
Project #: 03C2284009				City: Midland							
Project Name: Salado Draw 341 Pad				State: NM Zip: 79701							
Project Location: 32.0370210, -103.6362120				Phone #:							
Sampler Name: Jesse Dorman				Fax #:							
<small>FOR LAB USE ONLY</small>											
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	TPH 8015	BTEX 8021	Chloride 4500	
H253921	CS01	0.5'		1	GROUNDWATER		DATE	TIME			
	CS02	1.5'		1	WASTEWATER		6/26/05	11:10			
	CS04	1.5'		1	SOIL		6/27/05	11:00			
	CS05	1.5'		1	OIL		11:25				
	CS07	1.5'		1	SLUDGE		11:35				
	CS05	1.5'		1	OTHER:		11:40				
					ACID/BASE:						
					ICE / COOL						
					OTHER:						
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Relinquished By:				Received By:				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:			
Date: 6/30/05				Date: 6/30/05				All Results are emailed. Please provide Email address: JReich@ensolum.com			
Time: 1:10				Time: 1:10				Remarks: Incident Number: NAPP2510437615			
Relinquished By:				Received By: Spectreign				Facility: TFO1716430540			
Delivered By: (Circle One)				Sample Condition				Checked By:			
Sampler - UPS - Bus - Other:				Cool Intact				Thermometer ID: 4440			
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Standard <input checked="" type="checkbox"/> Field <input type="checkbox"/>			
				Corrected Temp. °C: 4.1				Bacteria (only) Sample Condition			
								Cool Intact <input checked="" type="checkbox"/> Observed Temp. °C:			
								Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
								Corrected Temp. °C:			



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 11 of 11



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 08, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 07/03/25 12:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/03/2025	Sampling Date:	07/02/2025
Reported:	07/08/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 22 4' (H254009-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74	
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53	
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05	
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92	
Total BTEx	<0.300	0.300	07/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	210	105	200	0.153	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	203	102	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.9 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 24 4' (H254009-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEx	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	210	105	200	0.153	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	203	102	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.4 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 25 4' (H254009-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	210	105	200	0.153	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	203	102	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.7 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 26 4' (H254009-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEx	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	210	105	200	0.153	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	203	102	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.3 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 27 4' (H254009-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	210	105	200	0.153	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	203	102	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.0 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 28 4' (H254009-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEx	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	210	105	200	0.153	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	203	102	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 88.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.8 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 29 4' (H254009-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	210	105	200	0.153	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	203	102	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.7 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 30 4' (H254009-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEx	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 69.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.7 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 31 4' (H254009-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 65.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.7 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 32 4' (H254009-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 70.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.8 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 35 4' (H254009-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEx	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 73.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.0 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 36 4' (H254009-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEx	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 72.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.6 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 34 4' (H254009-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEx	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 72.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.2 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 04 0-4' (H254009-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEx	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 76.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.0 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS 09 0.5' (H254009-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	07/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 69.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.8 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS 10 0.5' (H254009-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEx	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 68.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.6 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 23 4' (H254009-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEx	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 67.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.8 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 33 4' (H254009-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEX	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/07/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 68.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.9 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/03/2025
 Reported: 07/08/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 37 4' (H254009-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2025	ND	1.95	97.4	2.00	4.74		
Toluene*	<0.050	0.050	07/03/2025	ND	2.11	105	2.00	5.53		
Ethylbenzene*	<0.050	0.050	07/03/2025	ND	1.96	98.0	2.00	5.05		
Total Xylenes*	<0.150	0.150	07/03/2025	ND	5.89	98.2	6.00	4.92		
Total BTEx	<0.300	0.300	07/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	195	97.3	200	0.919	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	216	108	200	0.443	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 72.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.3 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name: Ensolum, LLC

Project Manager: Jeremy Reich

Address: 601 N Marientfeld Street, suite 400

City: Midland

State: TX Zip: 79701

Phone #: 432-296-0627

Fax #:

Project #: 03C2284009

Project Owner:

Project Name: Salado Draw 341 Pad

Project Location: 32.0370210, -103.6362120

Sampler Name: Uriel Santillana

BILL TO

P.O. #:

Company: Ensolum, LLC

Attn: Jeremy Reich

Address:

City:

State: NM Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	ANALYSIS REQUEST				
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL			OTHER :	Chloride	TPH	BTEX	
HS4009	F522	4'	C	1			X												
	F524																		
	F525																		
	F526																		
	F527																		
	F528																		
	F529																		
	F530																		
	F531																		
	F532																		

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Relinquished By:

Date: 12-25-2025

Received By: J. Reich

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

Relinquished By:

Date:

Received By:

Remarks: Incident #: NAPP2510437615 Facility: FSL2003151750

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

Sample Condition Cool Intact ☐ Yes ☐ No

CHECKED BY: (Initials)

Turnaround Time: 48 hrs

Standard ☐ Bacteria (only) ☐ Cool Intact ☐ Yes ☐ No

Sample Condition Observed Temp. °C

Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

101 East Marland, Hobbs, NM 88240
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 09, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 07/07/25 15:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/07/2025	Sampling Date:	07/03/2025
Reported:	07/09/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: SW 07 0-4' (H254032-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2025	ND	1.78	89.2	2.00	8.84	
Toluene*	<0.050	0.050	07/08/2025	ND	1.90	95.2	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/08/2025	ND	1.96	98.2	2.00	4.07	
Total Xylenes*	<0.150	0.150	07/08/2025	ND	5.98	99.7	6.00	4.40	
Total BTX	<0.300	0.300	07/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: KH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/08/2025	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	198	98.9	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	94.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 79.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/07/2025
 Reported: 07/09/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS 03 0.5' (H254032-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/08/2025	ND	1.78	89.2	2.00	8.84		
Toluene*	<0.050	0.050	07/08/2025	ND	1.90	95.2	2.00	4.58		
Ethylbenzene*	<0.050	0.050	07/08/2025	ND	1.96	98.2	2.00	4.07		
Total Xylenes*	<0.150	0.150	07/08/2025	ND	5.98	99.7	6.00	4.40		
Total BTEX	<0.300	0.300	07/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	07/08/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	198	98.9	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	94.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 75.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/07/2025
 Reported: 07/09/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 06 0-4' (H254032-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/08/2025	ND	1.78	89.2	2.00	8.84		
Toluene*	<0.050	0.050	07/08/2025	ND	1.90	95.2	2.00	4.58		
Ethylbenzene*	<0.050	0.050	07/08/2025	ND	1.96	98.2	2.00	4.07		
Total Xylenes*	<0.150	0.150	07/08/2025	ND	5.98	99.7	6.00	4.40		
Total BTEX	<0.300	0.300	07/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/08/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	198	98.9	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	94.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.7 % 40.6-153

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/07/2025
 Reported: 07/09/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 11 0-4' (H254032-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/08/2025	ND	1.78	89.2	2.00	8.84		
Toluene*	<0.050	0.050	07/08/2025	ND	1.90	95.2	2.00	4.58		
Ethylbenzene*	<0.050	0.050	07/08/2025	ND	1.96	98.2	2.00	4.07		
Total Xylenes*	<0.150	0.150	07/08/2025	ND	5.98	99.7	6.00	4.40		
Total BTEX	<0.300	0.300	07/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/08/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	198	98.9	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	94.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 69.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/07/2025
 Reported: 07/09/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 12 0-4' (H254032-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/08/2025	ND	1.78	89.2	2.00	8.84		
Toluene*	<0.050	0.050	07/08/2025	ND	1.90	95.2	2.00	4.58		
Ethylbenzene*	<0.050	0.050	07/08/2025	ND	1.96	98.2	2.00	4.07		
Total Xylenes*	<0.150	0.150	07/08/2025	ND	5.98	99.7	6.00	4.40		
Total BTEx	<0.300	0.300	07/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/08/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	198	98.9	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	94.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 71.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST			
Project Manager: Jeremy Reich				P.O. #:							
Address: 601 N Marland Street, suite 400				Company: Ensolum, LLC							
City: Midland				State: TX Zip: 79701				Attn: Jeremy Reich			
Phone #: 432-296-0627				Fax #:				Address:			
Project #: 03C2284009				Project Owner:				City:			
Project Name: Salado Draw 341 Pad				State: NM Zip:				Phone #:			
Project Location: 32.0370210, -103.6362120				Fax #:							
Sampler Name: Uriel Santillana											
FOR LAB USE ONLY											
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING		
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	
					ACID/BASE:	ICE / COOL	OTHER:				
					DATE	TIME					
14550303	SW07	0-4'	C	1	7/3/25	855	X	X	X	Chloride	
03	CS03	0.5'								TPH	
3	SW06	0-4'								BTEX	
4	SW11	0-4'									
5	SW12	0-4'									
US											

PLEASE NOTE: Lability and Damages. Cardinal's liability and claims are limited to the amount paid by the client for the analysis. All claims including those for negligence and any other claims whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claims are based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 7/7/25	Received By:	Date: 7/7/25
Relinquished By:	Time: 1500	Received By:	Time: 1500
REMARKS: Incident #: NAPP2510437615 Facility: ISL2003151750			

Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:

All Results are emailed. Please provide Email address:
jreich@ensolum.com kitomason@ensolum.com usantillana@ensolum.com
timorrissey@ensolum.com

Turnaround Time: 48 hr Standard Rush
Thermometer ID: 1133-4140-03-
Correction Factor: 0.03-
Bacteria (only) Sample Condition
Cool Intact ☐ Yes ☐ No
Corrected Temp. °C

Delivered By: (Circle One) Observed Temp. °C 29.9
Corrected Temp. °C 30.0
Sample Condition Cool Intact ☐ Yes ☐ No
Checked By: (Initials) AB

Sampler - UPS - Bus - Other: Corrected Temp. °C 30.0

Cardinal cannot accept verbal changes. Please email changes to celey.k@ensolum.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 09, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 07/07/25 15:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/07/2025	Sampling Date:	07/03/2025
Reported:	07/09/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Alyssa Parras
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: SW 05 0-4' (H254033-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/08/2025	ND	1.78	89.2	2.00	8.84		
Toluene*	<0.050	0.050	07/08/2025	ND	1.90	95.2	2.00	4.58		
Ethylbenzene*	<0.050	0.050	07/08/2025	ND	1.96	98.2	2.00	4.07		
Total Xylenes*	<0.150	0.150	07/08/2025	ND	5.98	99.7	6.00	4.40		
Total BTEX	<0.300	0.300	07/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	07/08/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2025	ND	198	98.9	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/07/2025	ND	190	94.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	07/07/2025	ND					

Surrogate: 1-Chlorooctane 75.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 11, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 07/08/25 14:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/11/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 38 4' (H254046-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2025	ND	1.99	99.7	2.00	9.83	
Toluene*	<0.050	0.050	07/09/2025	ND	2.10	105	2.00	7.89	
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	8.61	
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.77	96.2	6.00	7.89	
Total BTX	<0.300	0.300	07/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/09/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	217	108	200	0.531	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	209	105	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane 85.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/11/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 39 4' (H254046-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2025	ND	1.99	99.7	2.00	9.83		
Toluene*	<0.050	0.050	07/09/2025	ND	2.10	105	2.00	7.89		
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	8.61		
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.77	96.2	6.00	7.89		
Total BTEx	<0.300	0.300	07/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/09/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	217	108	200	0.531	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	209	105	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/08/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 40 4' (H254046-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2025	ND	1.99	99.7	2.00	9.83		
Toluene*	<0.050	0.050	07/09/2025	ND	2.10	105	2.00	7.89		
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	8.61		
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.77	96.2	6.00	7.89		
Total BTEx	<0.300	0.300	07/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/09/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	217	108	200	0.531	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	209	105	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane 97.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/08/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 41 4' (H254046-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2025	ND	1.99	99.7	2.00	9.83		
Toluene*	<0.050	0.050	07/09/2025	ND	2.10	105	2.00	7.89		
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	8.61		
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.77	96.2	6.00	7.89		
Total BTX	<0.300	0.300	07/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/09/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	217	108	200	0.531	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	209	105	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/08/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 43 4' (H254046-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2025	ND	1.99	99.7	2.00	9.83		
Toluene*	<0.050	0.050	07/09/2025	ND	2.10	105	2.00	7.89		
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	8.61		
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.77	96.2	6.00	7.89		
Total BTX	<0.300	0.300	07/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/09/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	217	108	200	0.531	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	209	105	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/08/2025	Sampling Date:	07/07/2025
Reported:	07/11/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 44 4' (H254046-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2025	ND	1.99	99.7	2.00	9.83		
Toluene*	<0.050	0.050	07/09/2025	ND	2.10	105	2.00	7.89		
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	8.61		
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.77	96.2	6.00	7.89		
Total BTX	<0.300	0.300	07/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/09/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	217	108	200	0.531	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	209	105	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/08/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 45 4' (H254046-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2025	ND	1.99	99.7	2.00	9.83		
Toluene*	<0.050	0.050	07/09/2025	ND	2.10	105	2.00	7.89		
Ethylbenzene*	<0.050	0.050	07/09/2025	ND	1.93	96.5	2.00	8.61		
Total Xylenes*	<0.150	0.150	07/09/2025	ND	5.77	96.2	6.00	7.89		
Total BTEx	<0.300	0.300	07/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/09/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2025	ND	217	108	200	0.531	
DRO >C10-C28*	<10.0	10.0	07/09/2025	ND	209	105	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	07/09/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.3 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: Ensolum, LLC

Project Manager: Jeremy Reich

Address: 601 N Marlenfield Street, Suite 400

City: Midland

Phone #: 432-296-0627

Project #: 03C2284009

Project Name: Salado Draw 341 Pad

Project Location: 32.0370210, -103.6362120

Sampler Name: Jesse Dorman

BILL TO

P.O. #:

Company: Ensolum, LLC

Attn: Jeremy Reich

Address: 601 N Marlenfield Street, Suite 400

City: Midland

State: NM Zip: 79701

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER					
HS3404	F538	11'		1											
	F539			1											
	F540			1											
	F541			1											
	F542			1											
	F543			1											
	F544			1											
	F545			1											
		5D													

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Relinquished By:

Date: 8-25

Received By:

Verbal Result: ☐ Yes ☒ No Add'l Phone #:

All Results are emailed. Please provide Email address: jreich@ensolum.com

REMARKS: Incident Number: NAPP2510437615

Relinquished By:

Date:

Received By:

Facility:

Facility: TIO1716430540

Delivered By: (Circle One)

Observed Temp: 17°C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time: 480

Standard

Bacteria (only) Sample Condition

Corrected Temp: 20°C

Sampler - UPS - Bus - Other:

Corrected Temp: 20°C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time: 480

Standard

Bacteria (only) Sample Condition

Corrected Temp: 20°C

FORM DOR-3-2 (10/07/11)

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 11, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 07/10/25 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" being the most prominent.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/10/2025	Sampling Date:	07/08/2025
Reported:	07/11/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 42 4 (H254112-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805	
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00	
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365	
Total BTX	<0.300	0.300	07/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/11/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	218	109	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/10/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 09 0-4 (H254112-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805	
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00	
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365	
Total BTEx	<0.300	0.300	07/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/11/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	218	109	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 81.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/10/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 10 0-4 (H254112-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805		
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00		
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365		
Total BTEX	<0.300	0.300	07/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/11/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	218	109	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/10/2025	Sampling Date:	07/08/2025
Reported:	07/11/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: SW 08 0-4 (H254112-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805		
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00		
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365		
Total BTEX	<0.300	0.300	07/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/11/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	218	109	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 77.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/10/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS 09 .5' (H254112-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805	
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00	
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365	
Total BTEX	<0.300	0.300	07/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/11/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	218	109	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 82.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.1 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/10/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 05 0-4' (H254112-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805		
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00		
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365		
Total BTEx	<0.300	0.300	07/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/11/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	218	109	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/11/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: FS 46 4' (H254112-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805		
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00		
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365		
Total BTEx	<0.300	0.300	07/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	07/11/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	218	109	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/10/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS 11 .5' (H254112-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805	
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00	
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365	
Total BTEX	<0.300	0.300	07/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/11/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	218	109	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/10/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS 12 .5' (H254112-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805		
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00		
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365		
Total BTEx	<0.300	0.300	07/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/11/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	218	109	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/11/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: CS 13 .5' (H254112-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805		
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00		
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365		
Total BTEx	<0.300	0.300	07/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/11/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	218	109	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/10/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS 14 .5' (H254112-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805		
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00		
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365		
Total BTEX	<0.300	0.300	07/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/11/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	1.58	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	218	109	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 89.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/10/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS 15 .5' (H254112-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805		
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00		
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365		
Total BTEx	<0.300	0.300	07/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/11/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	0.844	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	230	115	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 07/10/2025
Reported: 07/11/2025
Project Name: SALADO DRAW 341 PAD
Project Number: 03C2284009
Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/09/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 16 .5' (H254112-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805		
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00		
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365		
Total BTEx	<0.300	0.300	07/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/11/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	0.844	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	230	115	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/10/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS 17 .5' (H254112-14)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805		
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00		
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365		
Total BTX	<0.300	0.300	07/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/11/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	0.844	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	230	115	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/10/2025
 Reported: 07/11/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS 18 .5' (H254112-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805		
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00		
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365		
Total BTEX	<0.300	0.300	07/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/11/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	0.844	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	230	115	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 92.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/10/2025	Sampling Date:	07/09/2025
Reported:	07/11/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: CS 19 .5' (H254112-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/10/2025	ND	1.92	95.8	2.00	0.805		
Toluene*	<0.050	0.050	07/10/2025	ND	2.03	101	2.00	1.00		
Ethylbenzene*	<0.050	0.050	07/10/2025	ND	2.07	103	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/10/2025	ND	6.21	104	6.00	0.365		
Total BTEX	<0.300	0.300	07/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/11/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2025	ND	232	116	200	0.844	
DRO >C10-C28*	<10.0	10.0	07/10/2025	ND	230	115	200	0.637	
EXT DRO >C28-C36	<10.0	10.0	07/10/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.7 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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A handwritten signature in cursive script, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Jeremy Reich

Address: 601 N Marlenfeld Street, Suite 400

City: Midland State: TX Zip: 79701

Phone #: 432-296-0627 Fax #:

Project #: 03C2284009 Project Owner: New Wave Energy

Project Name: Salado Draw 341 Pad

Project Location: 32.0370210, -103.6362120

Sampler Name: Jesse Dorman

BILL TO

P.O. #:

Company: Ensolum, LLC

Attn: Jeremy Reich

Address: 601 N Marlenfeld Street, Suite 400

City: Midland

State: NM Zip: 79701

Phone #:

Fax #:

ANALYSIS REQUEST

Address: 601 N Marientfeld Street, Suite 400										P.O. #:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV	SAMPLING	TPH 8015	BTX 8021	Chloride 4500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

PLEASE NOTE: Liability and Damages Cardholder's liability and client's exclusive remedy for any claim arising under this contract or bill, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other causes whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated theories or otherwise.

Relinquished By:

Date: 7-10-25 Received By:

Date: 7-13-08 Received By:

Relinquished By:

Date: 7-13-08 Received By:

Date: 7-13-08 Received By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time: Standard

Bacteria (only) Sample Condition

Corrected Temp. °C

Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to cely.keene@cardinallabsnm.com



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST			
Project Manager: Jeremy Reich				P.O. #:							
Address: 601 N Marientield Street, Suite 400				Company: Ensolum, LLC							
City: Midland				Attn: Jeremy Reich							
Phone #: 432-296-0627 Fax #:				Address: 601 N Marientield Street, Suite 400							
Project #: 03CZ284009 Project Owner: New Wave Energy				City: Midland							
Project Name: Salado Draw 341 Pad				State: NM Zip: 79701							
Project Location: 32.0370210, -103.6362120				Phone #:							
Sampler Name: Jesse Dorman				Fax #:							

Lab I.D.		Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV	SAMPLING	DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE	ICE / COOL	OTHER :					
A354113	11	C314	5'	✓	1										7/9/25	13:38	✓	✓	✓
	12	C315		✓												13:38	✓	✓	✓
	13	C316		✓												13:38	✓	✓	✓
	14	C317		✓												13:40	✓	✓	✓
	15	C318		✓												13:42	✓	✓	✓
	16	C319		✓												13:45	✓	✓	✓

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Relinquished By: [Signature]		Date: 7-10-25	Received By: [Signature]
Time: 1:34P		REMARKS:	
Incident Number: NAPP2510437615 Facility: TFO1716430540			

Delivered By: (Circle One) <input type="checkbox"/> UPS <input checked="" type="checkbox"/> Bus <input type="checkbox"/> Other	Observed Temp.: °C 0.1	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) [Signature]
Turnaround Time: 14 Days Standard	Thermometer ID: 4113	Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Corrected Temp.: °C 0.4

† Cardinal cannot accept verbal changes. Please email changes to celery.keenan@cardinal.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 15, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 07/14/25 12:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	07/14/2025	Sampling Date:	07/10/2025
Reported:	07/15/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Shalyn Rodriguez
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: CS 20 .5' (H254158-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2025	ND	1.76	88.1	2.00	7.29	
Toluene*	<0.050	0.050	07/14/2025	ND	1.87	93.7	2.00	3.92	
Ethylbenzene*	<0.050	0.050	07/14/2025	ND	1.98	99.0	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/14/2025	ND	6.15	102	6.00	1.28	
Total BTX	<0.300	0.300	07/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2025	ND	213	107	200	3.72	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	196	98.0	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/14/2025
 Reported: 07/15/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS 21 .5' (H254158-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/14/2025	ND	1.76	88.1	2.00	7.29		
Toluene*	<0.050	0.050	07/14/2025	ND	1.87	93.7	2.00	3.92		
Ethylbenzene*	<0.050	0.050	07/14/2025	ND	1.98	99.0	2.00	1.07		
Total Xylenes*	<0.150	0.150	07/14/2025	ND	6.15	102	6.00	1.28		
Total BTEx	<0.300	0.300	07/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/15/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2025	ND	213	107	200	3.72	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	196	98.0	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.9 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 16, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 07/14/25 12:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/14/2025
 Reported: 07/16/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 07/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BF 02 .5' (H254162-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2025	ND	1.79	89.5	2.00	4.85	
Toluene*	<0.050	0.050	07/15/2025	ND	2.07	104	2.00	3.94	
Ethylbenzene*	<0.050	0.050	07/15/2025	ND	2.09	105	2.00	1.91	
Total Xylenes*	<0.150	0.150	07/15/2025	ND	6.53	109	6.00	3.13	
Total BTX	<0.300	0.300	07/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/15/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2025	ND	210	105	200	1.63	
DRO >C10-C28*	<10.0	10.0	07/15/2025	ND	190	94.9	200	0.0332	
EXT DRO >C28-C36	<10.0	10.0	07/15/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

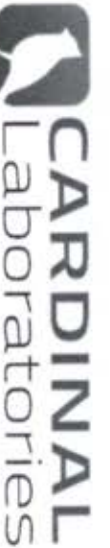
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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Jeremy Reich

Address: 601 N Marlenfeld Street, Suite 400

City: Midland State: TX Zip: 79701

Phone #: 432-296-0627 Fax #: Project Owner: New Wave Energy

Project #: 03C2284009 Project Name: Salado Draw 341 Pad

Project Location: 32.0370210, -103.6362120

Sampler Name: Jesse Dorman

FOR LAB USE ONLY

Lab I.D. Sample I.D. Depth (feet)

1154116 BFO2 5'

30

(G)RAB OR (C)OMP. # CONTAINERS

GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:

ACID/BASE: ICE / COOL OTHER: DATE TIME

TPH 8015 BTEX 8021 Chloride 4500

Relinquished By: Date: 7/14/05 Received By: Specimens

Delivered By: (Circle One) Observed Temp: 3.5 Corrected Temp: 3.8 Sample Condition Cool Intact Yes No

CHECKED BY: (Initials)

Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Yes No Observed Temp: °C Corrected Temp: °C

REMARKS: Incident Number: NAPP2510437615 Facility: TIO1716430540

Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: Reich@ensolum.com

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 14, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 08/12/25 12:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive style with a large, stylized 'C' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/12/2025	Sampling Date:	08/11/2025
Reported:	08/14/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: CS03 1' (H254958-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2025	ND	1.87	93.4	2.00	17.0	
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.1	2.00	10.5	
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.84	91.8	2.00	7.03	
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.59	93.2	6.00	6.37	
Total BTX	<0.300	0.300	08/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/13/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	206	103	200	3.17	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	194	96.8	200	5.76	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
JEREMY REICH
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 08/12/2025
Reported: 08/14/2025
Project Name: SALADO DRAW 341 PAD
Project Number: 03C2284009
Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 08/11/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW13 0-1' (H254958-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.87	93.4	2.00	17.0		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.1	2.00	10.5		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.84	91.8	2.00	7.03		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.59	93.2	6.00	6.37		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/13/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	206	103	200	3.17	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	194	96.8	200	5.76	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



1 of 1

Page 5 of 5



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 14, 2025

JEREMY REICH
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 08/12/25 12:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/12/2025	Sampling Date:	08/11/2025
Reported:	08/14/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: CS23 0.5' (H254966-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.87	93.4	2.00	17.0		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.1	2.00	10.5		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.84	91.8	2.00	7.03		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.59	93.2	6.00	6.37		
Total BTX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	08/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	206	103	200	3.17	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	194	96.8	200	5.76	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 14, 2025

JEREMY REICH

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SALADO DRAW 341 PAD

Enclosed are the results of analyses for samples received by the laboratory on 08/12/25 12:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received:	08/12/2025	Sampling Date:	08/11/2025
Reported:	08/14/2025	Sampling Type:	Soil
Project Name:	SALADO DRAW 341 PAD	Sampling Condition:	Cool & Intact
Project Number:	03C2284009	Sample Received By:	Tamara Oldaker
Project Location:	NEW WAVE 32.0370210, -103.6362120		

Sample ID: CS22 0.5' (H254965-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2025	ND	1.87	93.4	2.00	17.0	
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.1	2.00	10.5	
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.84	91.8	2.00	7.03	
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.59	93.2	6.00	6.37	
Total BTX	<0.300	0.300	08/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	08/13/2025	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	206	103	200	3.17	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	194	96.8	200	5.76	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/12/2025
 Reported: 08/14/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS24 0.5' (H254965-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.87	93.4	2.00	17.0		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.1	2.00	10.5		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.84	91.8	2.00	7.03		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.59	93.2	6.00	6.37		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3280	16.0	08/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	206	103	200	3.17	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	194	96.8	200	5.76	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/12/2025
 Reported: 08/14/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS25 0.5' (H254965-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.87	93.4	2.00	17.0		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.1	2.00	10.5		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.84	91.8	2.00	7.03		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.59	93.2	6.00	6.37		
Total BTX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10600	16.0	08/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	206	103	200	3.17	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	194	96.8	200	5.76	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM, LLC
 JEREMY REICH
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/12/2025
 Reported: 08/14/2025
 Project Name: SALADO DRAW 341 PAD
 Project Number: 03C2284009
 Project Location: NEW WAVE 32.0370210, -103.6362120

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS26 0.5' (H254965-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.87	93.4	2.00	17.0		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.1	2.00	10.5		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.84	91.8	2.00	7.03		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.59	93.2	6.00	6.37		
Total BTEx	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12500	16.0	08/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	206	103	200	3.17	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	194	96.8	200	5.76	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

1 of 1

[illegible]

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jeremy Reich
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 10/22/2025 1:43:17 PM

JOB DESCRIPTION

SALADO DRAW SWD 13 ROTF FACILITY
03C2284009

JOB NUMBER

890-8963-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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10/22/2025 1:43:17 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Laboratory Job ID: 890-8963-1
SDG: 03C2284009

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Definitions/Glossary

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Ensolum
Project: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1

Job ID: 890-8963-1

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Job Narrative 890-8963-1

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

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

Receipt

The samples were received on 10/16/2025 2:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 05 (890-8963-1), SS 06 (890-8963-2), SS 07 (890-8963-3), SS 08 (890-8963-4) and SS 09 (890-8963-5).

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-121461 and analytical batch 880-121497 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: The method blank for preparation batch 880-121402 and analytical batch 880-121679 contained Oil Range Organics (Over C28-C36) and Total TPH above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS 07 (890-8963-3), (LCS 880-121402/2-A) and (LCSD 880-121402/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Client Sample ID: SS 05

Lab Sample ID: 890-8963-1

Date Collected: 10/16/25 11:09

Matrix: Solid

Date Received: 10/16/25 14:10

Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		10/17/25 13:45	10/19/25 10:56	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		10/17/25 13:45	10/19/25 10:56	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		10/17/25 13:45	10/19/25 10:56	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		10/17/25 13:45	10/19/25 10:56	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		10/17/25 13:45	10/19/25 10:56	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		10/17/25 13:45	10/19/25 10:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/17/25 13:45	10/19/25 10:56	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/17/25 13:45	10/19/25 10:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			10/19/25 10:56	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	328		49.9	15.1	mg/Kg			10/22/25 07:11	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		10/16/25 16:44	10/22/25 07:11	1
Diesel Range Organics (Over C10-C28)	225		49.9	15.1	mg/Kg		10/16/25 16:44	10/22/25 07:11	1
Oil Range Organics (Over C28-C36)	103	B	49.9	15.1	mg/Kg		10/16/25 16:44	10/22/25 07:11	1
Total TPH	328	B	49.9	15.1	mg/Kg		10/16/25 16:44	10/22/25 07:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	10/16/25 16:44	10/22/25 07:11	1
o-Terphenyl	113		70 - 130	10/16/25 16:44	10/22/25 07:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	268		10.1	0.398	mg/Kg			10/17/25 18:42	1

Client Sample ID: SS 06

Lab Sample ID: 890-8963-2

Date Collected: 10/16/25 08:51

Matrix: Solid

Date Received: 10/16/25 14:10

Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00199	0.00139	mg/Kg		10/17/25 13:45	10/19/25 11:16	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		10/17/25 13:45	10/19/25 11:16	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		10/17/25 13:45	10/19/25 11:16	1
m-Xylene & p-Xylene	<0.00228	U	0.00398	0.00228	mg/Kg		10/17/25 13:45	10/19/25 11:16	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg		10/17/25 13:45	10/19/25 11:16	1
Xylenes, Total	<0.00228	U	0.00398	0.00228	mg/Kg		10/17/25 13:45	10/19/25 11:16	1

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Client Sample Results

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Client Sample ID: SS 06

Lab Sample ID: 890-8963-2

Date Collected: 10/16/25 08:51

Matrix: Solid

Date Received: 10/16/25 14:10

Sample Depth: 0.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/17/25 13:45	10/19/25 11:16	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/17/25 13:45	10/19/25 11:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00398	0.00228	mg/Kg			10/19/25 11:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	113		50.0	15.1	mg/Kg			10/22/25 07:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		10/16/25 16:44	10/22/25 07:26	1
Diesel Range Organics (Over C10-C28)	69.8		50.0	15.1	mg/Kg		10/16/25 16:44	10/22/25 07:26	1
Oil Range Organics (Over C28-C36)	43.6	J B	50.0	15.1	mg/Kg		10/16/25 16:44	10/22/25 07:26	1
Total TPH	113	B	50.0	15.1	mg/Kg		10/16/25 16:44	10/22/25 07:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	10/16/25 16:44	10/22/25 07:26	1
o-Terphenyl	105		70 - 130	10/16/25 16:44	10/22/25 07:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	316		10.1	0.397	mg/Kg			10/17/25 18:47	1

Client Sample ID: SS 07

Lab Sample ID: 890-8963-3

Date Collected: 10/16/25 11:30

Matrix: Solid

Date Received: 10/16/25 14:10

Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		10/17/25 13:45	10/19/25 11:37	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		10/17/25 13:45	10/19/25 11:37	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		10/17/25 13:45	10/19/25 11:37	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		10/17/25 13:45	10/19/25 11:37	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		10/17/25 13:45	10/19/25 11:37	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		10/17/25 13:45	10/19/25 11:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/17/25 13:45	10/19/25 11:37	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/17/25 13:45	10/19/25 11:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			10/19/25 11:37	1

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Client Sample Results

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Client Sample ID: SS 07

Lab Sample ID: 890-8963-3

Date Collected: 10/16/25 11:30

Matrix: Solid

Date Received: 10/16/25 14:10

Sample Depth: 0.5

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	26.5	J	49.9	15.1	mg/Kg			10/22/25 07:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		10/16/25 16:44	10/22/25 07:39	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		10/16/25 16:44	10/22/25 07:39	1
Oil Range Organics (Over C28-C36)	26.5	J B	49.9	15.1	mg/Kg		10/16/25 16:44	10/22/25 07:39	1
Total TPH	26.5	J B	49.9	15.1	mg/Kg		10/16/25 16:44	10/22/25 07:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	10/16/25 16:44	10/22/25 07:39	1
o-Terphenyl	144	S1+	70 - 130	10/16/25 16:44	10/22/25 07:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	199		10.0	0.397	mg/Kg			10/17/25 18:52	1

Client Sample ID: SS 08

Lab Sample ID: 890-8963-4

Date Collected: 10/16/25 11:23

Matrix: Solid

Date Received: 10/16/25 14:10

Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		10/17/25 13:45	10/19/25 11:57	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		10/17/25 13:45	10/19/25 11:57	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		10/17/25 13:45	10/19/25 11:57	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		10/17/25 13:45	10/19/25 11:57	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		10/17/25 13:45	10/19/25 11:57	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		10/17/25 13:45	10/19/25 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/17/25 13:45	10/19/25 11:57	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/17/25 13:45	10/19/25 11:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			10/19/25 11:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	39.9	J	50.0	15.1	mg/Kg			10/22/25 07:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		10/16/25 16:44	10/22/25 07:53	1
Diesel Range Organics (Over C10-C28)	15.1	J	50.0	15.1	mg/Kg		10/16/25 16:44	10/22/25 07:53	1

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Client Sample Results

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Client Sample ID: SS 08

Lab Sample ID: 890-8963-4

Date Collected: 10/16/25 11:23

Matrix: Solid

Date Received: 10/16/25 14:10

Sample Depth: 0.5

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	24.8	J B	50.0	15.1	mg/Kg		10/16/25 16:44	10/22/25 07:53	1
Total TPH	39.9	J B	50.0	15.1	mg/Kg		10/16/25 16:44	10/22/25 07:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				10/16/25 16:44	10/22/25 07:53	1
o-Terphenyl	110		70 - 130				10/16/25 16:44	10/22/25 07:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	262		10.0	0.396	mg/Kg			10/17/25 18:57	1

Client Sample ID: SS 09

Lab Sample ID: 890-8963-5

Date Collected: 10/16/25 08:56

Matrix: Solid

Date Received: 10/16/25 14:10

Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		10/17/25 13:45	10/19/25 12:17	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		10/17/25 13:45	10/19/25 12:17	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		10/17/25 13:45	10/19/25 12:17	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		10/17/25 13:45	10/19/25 12:17	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		10/17/25 13:45	10/19/25 12:17	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		10/17/25 13:45	10/19/25 12:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				10/17/25 13:45	10/19/25 12:17	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/17/25 13:45	10/19/25 12:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00401	0.00229	mg/Kg			10/19/25 12:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.7	J	50.0	15.1	mg/Kg			10/22/25 08:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		10/16/25 16:44	10/22/25 08:08	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		10/16/25 16:44	10/22/25 08:08	1
Oil Range Organics (Over C28-C36)	16.7	J B	50.0	15.1	mg/Kg		10/16/25 16:44	10/22/25 08:08	1
Total TPH	16.7	J B	50.0	15.1	mg/Kg		10/16/25 16:44	10/22/25 08:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				10/16/25 16:44	10/22/25 08:08	1
o-Terphenyl	107		70 - 130				10/16/25 16:44	10/22/25 08:08	1

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Client Sample Results

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Client Sample ID: SS 09
Date Collected: 10/16/25 08:56
Date Received: 10/16/25 14:10
Sample Depth: 0.5

Lab Sample ID: 890-8963-5
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6530		99.8	3.94	mg/Kg			10/17/25 19:03	10

Surrogate Summary

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-63938-A-1-C MS	Matrix Spike	103	104
880-63938-A-1-D MSD	Matrix Spike Duplicate	104	106
890-8963-1	SS 05	104	94
890-8963-2	SS 06	108	103
890-8963-3	SS 07	103	98
890-8963-4	SS 08	102	98
890-8963-5	SS 09	106	95
LCS 880-121461/1-A	Lab Control Sample	102	106
LCSD 880-121461/2-A	Lab Control Sample Dup	99	105
MB 880-121461/5-A	Method Blank	101	92
MB 880-121478/5-A	Method Blank	109	98
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-63939-A-7-B MS	Matrix Spike	108	120
880-63939-A-7-C MSD	Matrix Spike Duplicate	97	106
890-8963-1	SS 05	94	113
890-8963-2	SS 06	90	105
890-8963-3	SS 07	125	144 S1+
890-8963-4	SS 08	93	110
890-8963-5	SS 09	90	107
LCS 880-121402/2-A	Lab Control Sample	138 S1+	153 S1+
LCSD 880-121402/3-A	Lab Control Sample Dup	128	138 S1+
MB 880-121402/1-A	Method Blank	98	117
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-121461/5-A

Matrix: Solid

Analysis Batch: 121497

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		10/17/25 13:45	10/19/25 04:57	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		10/17/25 13:45	10/19/25 04:57	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		10/17/25 13:45	10/19/25 04:57	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		10/17/25 13:45	10/19/25 04:57	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		10/17/25 13:45	10/19/25 04:57	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		10/17/25 13:45	10/19/25 04:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/17/25 13:45	10/19/25 04:57	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/17/25 13:45	10/19/25 04:57	1

Lab Sample ID: LCS 880-121461/1-A

Matrix: Solid

Analysis Batch: 121497

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1106		mg/Kg		111	70 - 130
Toluene	0.100	0.09784		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09790		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2012		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09933		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-121461/2-A

Matrix: Solid

Analysis Batch: 121497

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121461

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1114		mg/Kg		111	70 - 130	1	35
Toluene	0.100	0.09750		mg/Kg		98	70 - 130	0	35
Ethylbenzene	0.100	0.09843		mg/Kg		98	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2034		mg/Kg		102	70 - 130	1	35
o-Xylene	0.100	0.1006		mg/Kg		101	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-63938-A-1-C MS

Matrix: Solid

Analysis Batch: 121497

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 121461

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.08746		mg/Kg		87	70 - 130
Toluene	<0.00200	U F1	0.100	0.06963		mg/Kg		70	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-63938-A-1-C MS

Matrix: Solid

Analysis Batch: 121497

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 121461

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00109	U	0.100	0.07059		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	<0.00229	U	0.200	0.1393		mg/Kg		70	70 - 130
o-Xylene	<0.00158	U	0.100	0.07149		mg/Kg		71	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-63938-A-1-D MSD

Matrix: Solid

Analysis Batch: 121497

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 121461

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00139	U	0.100	0.09231		mg/Kg		92	70 - 130	5	35
Toluene	<0.00200	U F1	0.100	0.06880	F1	mg/Kg		69	70 - 130	1	35
Ethylbenzene	<0.00109	U	0.100	0.07203		mg/Kg		72	70 - 130	2	35
m-Xylene & p-Xylene	<0.00229	U	0.200	0.1399		mg/Kg		70	70 - 130	0	35
o-Xylene	<0.00158	U	0.100	0.07346		mg/Kg		73	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-121478/5-A

Matrix: Solid

Analysis Batch: 121497

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121478

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		10/17/25 15:30	10/18/25 18:01	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		10/17/25 15:30	10/18/25 18:01	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		10/17/25 15:30	10/18/25 18:01	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		10/17/25 15:30	10/18/25 18:01	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		10/17/25 15:30	10/18/25 18:01	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		10/17/25 15:30	10/18/25 18:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	10/17/25 15:30	10/18/25 18:01	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/17/25 15:30	10/18/25 18:01	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-121402/1-A

Matrix: Solid

Analysis Batch: 121679

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		10/16/25 16:44	10/22/25 02:28	1

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QC Sample Results

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-121402/1-A

Matrix: Solid

Analysis Batch: 121679

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		10/16/25 16:44	10/22/25 02:28	1
Oil Range Organics (Over C28-C36)	16.15	J	50.0	15.1	mg/Kg		10/16/25 16:44	10/22/25 02:28	1
Total TPH	16.15	J	50.0	15.1	mg/Kg		10/16/25 16:44	10/22/25 02:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	10/16/25 16:44	10/22/25 02:28	1
o-Terphenyl	117		70 - 130	10/16/25 16:44	10/22/25 02:28	1

Lab Sample ID: LCS 880-121402/2-A

Matrix: Solid

Analysis Batch: 121679

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121402

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	993.5		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1108		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	138	S1+	70 - 130
o-Terphenyl	153	S1+	70 - 130

Lab Sample ID: LCSD 880-121402/3-A

Matrix: Solid

Analysis Batch: 121679

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121402

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	922.7		mg/Kg		92	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1033		mg/Kg		103	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	138	S1+	70 - 130

Lab Sample ID: 880-63939-A-7-B MS

Matrix: Solid

Analysis Batch: 121679

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 121402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	926.6		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	<15.1	U	999	1034		mg/Kg		104	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	108		70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-63939-A-7-B MS

Matrix: Solid

Analysis Batch: 121679

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 121402

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	120		70 - 130

Lab Sample ID: 880-63939-A-7-C MSD

Matrix: Solid

Analysis Batch: 121679

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 121402

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	850.6		mg/Kg		85	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<15.1	U	999	951.4		mg/Kg		95	70 - 130	8	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
<i>o</i> -Terphenyl	106		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-121428/1-A

Matrix: Solid

Analysis Batch: 121494

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<0.395	U	10.0	0.395	mg/Kg			10/17/25 16:31	1	

Lab Sample ID: LCS 880-121428/2-A

Matrix: Solid

Analysis Batch: 121494

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	239.7		mg/Kg		96	90 - 110			

Lab Sample ID: LCSD 880-121428/3-A

Matrix: Solid

Analysis Batch: 121494

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	241.7		mg/Kg		97	90 - 110	1	20	

Lab Sample ID: 880-63940-A-7-C MS

Matrix: Solid

Analysis Batch: 121494

Client Sample ID: Matrix Spike

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	476		248	714.4		mg/Kg		96	90 - 110		

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QC Sample Results

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-63940-A-7-D MSD				Client Sample ID: Matrix Spike Duplicate								
Matrix: Solid				Prep Type: Soluble								
Analysis Batch: 121494												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	476		248	714.8		mg/Kg		96	90 - 110	0	20	

QC Association Summary

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

GC VOA

Prep Batch: 121461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8963-1	SS 05	Total/NA	Solid	5035	
890-8963-2	SS 06	Total/NA	Solid	5035	
890-8963-3	SS 07	Total/NA	Solid	5035	
890-8963-4	SS 08	Total/NA	Solid	5035	
890-8963-5	SS 09	Total/NA	Solid	5035	
MB 880-121461/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-121461/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-121461/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-63938-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-63938-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 121478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-121478/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 121497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8963-1	SS 05	Total/NA	Solid	8021B	121461
890-8963-2	SS 06	Total/NA	Solid	8021B	121461
890-8963-3	SS 07	Total/NA	Solid	8021B	121461
890-8963-4	SS 08	Total/NA	Solid	8021B	121461
890-8963-5	SS 09	Total/NA	Solid	8021B	121461
MB 880-121461/5-A	Method Blank	Total/NA	Solid	8021B	121461
MB 880-121478/5-A	Method Blank	Total/NA	Solid	8021B	121478
LCS 880-121461/1-A	Lab Control Sample	Total/NA	Solid	8021B	121461
LCSD 880-121461/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	121461
880-63938-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	121461
880-63938-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	121461

Analysis Batch: 121593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8963-1	SS 05	Total/NA	Solid	Total BTEX	
890-8963-2	SS 06	Total/NA	Solid	Total BTEX	
890-8963-3	SS 07	Total/NA	Solid	Total BTEX	
890-8963-4	SS 08	Total/NA	Solid	Total BTEX	
890-8963-5	SS 09	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 121402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8963-1	SS 05	Total/NA	Solid	8015NM Prep	
890-8963-2	SS 06	Total/NA	Solid	8015NM Prep	
890-8963-3	SS 07	Total/NA	Solid	8015NM Prep	
890-8963-4	SS 08	Total/NA	Solid	8015NM Prep	
890-8963-5	SS 09	Total/NA	Solid	8015NM Prep	
MB 880-121402/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-121402/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-121402/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-63939-A-7-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-63939-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

GC Semi VOA

Analysis Batch: 121679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8963-1	SS 05	Total/NA	Solid	8015B NM	121402
890-8963-2	SS 06	Total/NA	Solid	8015B NM	121402
890-8963-3	SS 07	Total/NA	Solid	8015B NM	121402
890-8963-4	SS 08	Total/NA	Solid	8015B NM	121402
890-8963-5	SS 09	Total/NA	Solid	8015B NM	121402
MB 880-121402/1-A	Method Blank	Total/NA	Solid	8015B NM	121402
LCS 880-121402/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	121402
LCSD 880-121402/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	121402
880-63939-A-7-B MS	Matrix Spike	Total/NA	Solid	8015B NM	121402
880-63939-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	121402

Analysis Batch: 121820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8963-1	SS 05	Total/NA	Solid	8015 NM	
890-8963-2	SS 06	Total/NA	Solid	8015 NM	
890-8963-3	SS 07	Total/NA	Solid	8015 NM	
890-8963-4	SS 08	Total/NA	Solid	8015 NM	
890-8963-5	SS 09	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 121428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8963-1	SS 05	Soluble	Solid	DI Leach	
890-8963-2	SS 06	Soluble	Solid	DI Leach	
890-8963-3	SS 07	Soluble	Solid	DI Leach	
890-8963-4	SS 08	Soluble	Solid	DI Leach	
890-8963-5	SS 09	Soluble	Solid	DI Leach	
MB 880-121428/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-121428/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-121428/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-63940-A-7-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-63940-A-7-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 121494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8963-1	SS 05	Soluble	Solid	300.0	121428
890-8963-2	SS 06	Soluble	Solid	300.0	121428
890-8963-3	SS 07	Soluble	Solid	300.0	121428
890-8963-4	SS 08	Soluble	Solid	300.0	121428
890-8963-5	SS 09	Soluble	Solid	300.0	121428
MB 880-121428/1-A	Method Blank	Soluble	Solid	300.0	121428
LCS 880-121428/2-A	Lab Control Sample	Soluble	Solid	300.0	121428
LCSD 880-121428/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	121428
880-63940-A-7-C MS	Matrix Spike	Soluble	Solid	300.0	121428
880-63940-A-7-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	121428

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Client Sample ID: SS 05

Lab Sample ID: 890-8963-1

Date Collected: 10/16/25 11:09

Matrix: Solid

Date Received: 10/16/25 14:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	121461	10/17/25 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121497	10/19/25 10:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121593	10/19/25 10:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			121820	10/22/25 07:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	121402	10/16/25 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121679	10/22/25 07:11	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	121428	10/17/25 08:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	121494	10/17/25 18:42	CS	EET MID

Client Sample ID: SS 06

Lab Sample ID: 890-8963-2

Date Collected: 10/16/25 08:51

Matrix: Solid

Date Received: 10/16/25 14:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	121461	10/17/25 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121497	10/19/25 11:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121593	10/19/25 11:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			121820	10/22/25 07:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121402	10/16/25 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121679	10/22/25 07:26	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	121428	10/17/25 08:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	121494	10/17/25 18:47	CS	EET MID

Client Sample ID: SS 07

Lab Sample ID: 890-8963-3

Date Collected: 10/16/25 11:30

Matrix: Solid

Date Received: 10/16/25 14:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	121461	10/17/25 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121497	10/19/25 11:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121593	10/19/25 11:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			121820	10/22/25 07:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	121402	10/16/25 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121679	10/22/25 07:39	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	121428	10/17/25 08:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	121494	10/17/25 18:52	CS	EET MID

Client Sample ID: SS 08

Lab Sample ID: 890-8963-4

Date Collected: 10/16/25 11:23

Matrix: Solid

Date Received: 10/16/25 14:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	121461	10/17/25 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121497	10/19/25 11:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121593	10/19/25 11:57	SA	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Client Sample ID: SS 08
Date Collected: 10/16/25 11:23
Date Received: 10/16/25 14:10

Lab Sample ID: 890-8963-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			121820	10/22/25 07:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	121402	10/16/25 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121679	10/22/25 07:53	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	121428	10/17/25 08:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	121494	10/17/25 18:57	CS	EET MID

Client Sample ID: SS 09
Date Collected: 10/16/25 08:56
Date Received: 10/16/25 14:10

Lab Sample ID: 890-8963-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	121461	10/17/25 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121497	10/19/25 12:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121593	10/19/25 12:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			121820	10/22/25 08:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121402	10/16/25 16:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121679	10/22/25 08:08	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	121428	10/17/25 08:19	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	121494	10/17/25 19:03	CS	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ensolum
Project/Site: SALADO DRAW SWD 13 ROTF FACILITY

Job ID: 890-8963-1
SDG: 03C2284009

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8963-1	SS 05	Solid	10/16/25 11:09	10/16/25 14:10	0.5
890-8963-2	SS 06	Solid	10/16/25 08:51	10/16/25 14:10	0.5
890-8963-3	SS 07	Solid	10/16/25 11:30	10/16/25 14:10	0.5
890-8963-4	SS 08	Solid	10/16/25 11:23	10/16/25 14:10	0.5
890-8963-5	SS 09	Solid	10/16/25 08:56	10/16/25 14:10	0.5

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1256
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Jeremy Reich	Bill to: (if different)	
Company Name:	Ensolum	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-296-0627	Email:	jreich@ensolum.com / jmorrissey@ensolum.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Salado Draw SWD 13 ROTF Facility		Turn Around		ANALYSIS REQUEST		Preservative Codes		
Project Number:	03C2284009	<input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code					None: NO	DI Water: H ₂ O
Project Location:	32.0370210, -103.6362120	Due Date:						Cool: Cool	MeOH: Me
Sampler's Name:	Jesse Dorman	TAT starts the day received by the lab, if received by 4:30pm						HCL: HC	HNO ₃ : HN
PO #:		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>			H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Thermometer ID:						H ₃ PO ₄ : HP	
Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:						NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:						Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Corrected Temperature:						Zn Acetate+NaOH: Zn	
Total Containers:								NaOH+Ascorbic Acid: SAFC	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	TPH	Chloride	BTEX
	SS05	10/16/2025	11:09	0.5	Grab	1	X	X	X
	SS06	10/16/2025	8:51	0.5	Grab	1	X	X	X
	SS07	10/16/2025	11:30	0.5	Grab	1	X	X	X
	SS08	10/16/2025	11:23	0.5	Grab	1	X	X	X
	SS09	10/16/2025	8:56	0.5	Grab	1	X	X	X



890-8963 Chain of Custody

Total: 200.7 / 6010		200.8 / 6020:		8RCRA 13PPM Texas 11		At-Sb As Ba Be B Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U		Hg: 1631 / 245.1 / 7470 / 7471					
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U											
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.		Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1		[Signature]		[Signature]		10/16/14							
3						4							
5						6							

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Kramer, Jessica	Carrier Tracking No(s): N/A	COC No: 890-5995-1								
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Jessica.Kramer@et.eurofins.com	State of Origin: Texas	Page: Page 1 of 1								
Company: Eurofins Environment Testing South Central		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas											
Address: 1211 W. Florida Ave.		Preservation Codes: 890-8963-1											
City: Midland		Analysis Requested											
State, Zip: TX, 79701		Due Date Requested: 10/22/2025											
Phone: 432-704-5440(Tel)		TAT Requested (days): N/A											
Email: N/A		PO #: N/A											
Project Name: SALADO DRAW SWD 13 ROTF FACILITY		WO #: N/A											
Site: N/A		Project #: 89000235											
		SSOW#: N/A											
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oli, B=soil, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	300_ORGFM_280/DI_LEACHChloride	8021B/5035FP_CalcBTEX	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
SS 05 (890-8963-1)	10/16/25	11:09 Central	G	Solid		X	X	X	X	X	X	1	
SS 06 (890-8963-2)	10/16/25	08:51 Central	G	Solid		X	X	X	X	X	X	1	
SS 07 (890-8963-3)	10/16/25	11:30 Central	G	Solid		X	X	X	X	X	X	1	
SS 08 (890-8963-4)	10/16/25	11:23 Central	G	Solid		X	X	X	X	X	X	1	
SS 09 (890-8963-5)	10/16/25	08:56 Central	G	Solid		X	X	X	X	X	X	1	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC													
Possible Hazard Identification													
Unconfirmed													
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2													
Special Instructions/QC Requirements:													
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months													
Empty Kit Relinquished by: <i>[Signature]</i> Date: 10/16/25 1630													
Relinquished by: <i>[Signature]</i> Date: 10/16/25 1630													
Relinquished by: <i>[Signature]</i> Date: 10/16/25 1630													
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No													
Custody Seal No.: 2-6125-1188													

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8963-1

SDG Number: 03C2284009

Login Number: 8963

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-8963-1

SDG Number: 03C2284009

Login Number: 8963

List Number: 2

Creator: Vasquez, Julisa

List Source: Eurofins Midland

List Creation: 10/17/25 09:41 AM

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



APPENDIX E

Spill Volume Calculations

	Length (feet)	Width (feet)	Above grade Depth (in)	Below grade Depth (in)	Water Cut (%)	Barrels Water	Barrels Oil
Area 1	39	21	0.125	0	100	1.519	
Area 2	32	7	1	4	100	5.32	
Area 3	15	3	0	1.5	100	0.15	
Area 4	36	22	0	0.5	100	0.882	
Area 5	16	8	0	0.75	100	0.214	
Area 6	16	16	0	0.5	100	0.285	
Area 7	20	15	0	0.5	100	0.334	
					Rec Vol	0	
					Total	8.704	

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

QUESTIONS

Action 451538

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 451538
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2510437615
Incident Name	NAPP2510437615 SALADO DRAW SWD 13 ROTF FACILITY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fSL2003151750] SALADO DRAW SWD 13 ROTF FACILITY

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	SALADO DRAW SWD 13 ROTF FACILITY
Date Release Discovered	04/11/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water 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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 9 BBL Recovered: 0 BBL Lost: 9 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 451538

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 451538
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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: Bayley Ranes Title: Environmental Specialist Email: Bayleyranes@chevron.com Date: 04/14/2025
--	---

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QUESTIONS, Page 3

Action 451538

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 451538
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<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.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan	
<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 451538

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 451538
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	4/14/2025

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QUESTIONS

Action 533837

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 533837
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2510437615
Incident Name	NAPP2510437615 SALADO DRAW SWD 13 ROTF FACILITY @ FSL2003151750
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[FSL2003151750] SALADO DRAW SWD 13 ROTF FACILITY

Location of Release Source

Please answer all the questions in this group.

Site Name	SALADO DRAW SWD 13 ROTF FACILITY
Date Release Discovered	04/11/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water 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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 9 BBL Recovered: 0 BBL Lost: 9 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 533837

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 533837
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 12/10/2025
--	--

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QUESTIONS, Page 3

Action 533837

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 533837
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
<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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (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 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 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	Yes

Remediation Plan	
<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
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	12500
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	43.2
GRO+DRO (EPA SW-846 Method 8015M)	17.9
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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	04/11/2025
On what date will (or did) the final sampling or liner inspection occur	08/11/2025
On what date will (or was) the remediation complete(d)	08/11/2025
What is the estimated surface area (in square feet) that will be reclaimed	14282
What is the estimated volume (in cubic yards) that will be reclaimed	1312
What is the estimated surface area (in square feet) that will be remediated	14282
What is the estimated volume (in cubic yards) that will be remediated	1312
<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 533837

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 533837
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<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>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fBAJ2129451934 NORTH RANCH SURFACE WASTE MANAGEMENT FACILITY
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 12/10/2025
<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 533837

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 533837
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Excavating the residual contaminated material would compromise the structural integrity of the engineered pond wall.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	972
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	72
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	fSL2003151750 SALADO DRAW SWD 13 ROTF FACILITY
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 12/10/2025

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QUESTIONS, Page 6

Action 533837

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 533837
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	492784
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/11/2025
What was the (estimated) number of samples that were to be gathered	80
What was the sampling surface area in square feet	15840

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 533837

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 533837
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Chevron's deferral requests final remediation for (Incident Number NAPP2510437615) until final reclamation of the facility or major construction, whichever comes first. Ensolum and Chevron do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The impacted soil is the area designated as "Deferral Area" on figure 4 is limited to the area of the pond wall which was lined during facility construction and where remediation would require major facility deconstruction. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and placed in the incident file. The release will remain open in OCD database files and reflect an open environmental issue.	12/31/2025