



December 18, 2024

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

**Re: Closure Request
Turkey Track 9-10 34H
API 30-015-44195
Incident Number nAPP2233950650
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA, Inc. (Oxy), has prepared the following *Closure Request* to document excavation and soil sampling activities completed to address impacted soil at the Turkey Track 9-10 34H (Site). Soil was impacted by a release of produced water and crude oil onto the surface of the well pad. Based on the excavation activities and analytical results from the soil sampling events, Oxy is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number nAPP2233950650.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 8, Township 19 South, Range 29 East, in Eddy County, New Mexico (32.6702553°, -104.0901915°) and is associated with oil and gas exploration and production operations on New Mexico state land managed by the State Land Office (SLO) under API 30-015-44195.

On December 1, 2022, equipment failure of valve on a well resulted in the release of approximately 470 barrels (bbls) of produced water and 22 bbls of crude oil. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 410 bbls of produced water and 18 bbls of crude oil were recovered. Oxy reported the release to the NMOCD and submitted a Form C-141 on December 6, 2022. The release was assigned Incident Number nAPP2233950650. On 5/22/2024 there was correspondence from the EMNRD stating that a variance was granted to collect samples at 400 square feet for the floor samples and 200 square feet for the sidewall samples.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization.

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. The nearest groundwater well is United States Geological Survey (USGS) well 324026104044301, located approximately 1.3 miles northwest of the Site. The depth to groundwater in the well, 149 feet bgs, was most recently measured in 1994. In addition, New

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Mexico Office of the State Engineer documents well C-00646, installed in 1981 and located approximately 1.3 miles to the northwest of the Site, to have a depth to groundwater at 150 feet bgs, indicating regional depth to groundwater in the vicinity of the Site is greater than 100 feet bgs. Multiple data points exist around the Site and there are no surface features indicative of the presence of shallow groundwater. The referenced well records are included in Appendix E.

The closest continuously flowing or significant watercourse to the Site is a stream approximately 915 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (referred to as high karst potential designation area). A Closure Criteria Map is included on Figure 4.

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

NMSLO CULTURAL RESOURCES AND BIOLOGICAL REVIEW

Cultural Properties Protection

Since the release occurred on the well pad, the site is exempt from the Cultural Properties Protection Rule (CPP). As such, no additional cultural resource surveys were completed in connection with this release.

Biological Review

Ensolum personnel conducted a desktop review to establish if the Site is within an area of possible threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, and sensitive soils.

- The Site is not located within the historical range of the Lesser Prairie Chicken (LPC) or within an NMSLO Candidate Conservation Agreement with Assurances (CCAA) area.
- A review of the U.S. Fish and Wildlife Services Information for Planning and Consultation (IPaC) resources indicated there are no potential critical habitats at the Site. The release was within a lined containment and on the pad surface, limiting any contact with potential habitats that may exist in the vicinity of the Site.
- No environmentally sensitive receptors were located near the Site, as determined by the Site Characterization.
- The Natural Resources Conservation Service (NRCS) Web Soil Survey classifies the soil type at the Site as Kermit-Berino fine sands. The release occurred in a lined containment located on the caliche surface of the well pad limiting contact with potentially sensitive native soil.

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SITE ASSESSMENT AND SAMPLING ACTIVITIES

Between April 18, 2024 and June 10, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. A total of 16 assessment soil samples (SS01 through SS16) were collected around the release extent from a depth of 0.25 to 0.5 feet bgs to assess the lateral extent of the release, and 27 pothole soil samples were collected from 11 locations (PH01 through PH11) at depths ranging from 0.5 to 4 feet bgs to delineate the vertical extent of the release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 3 Photographic documentation was completed during the site visit and a photographic log is included in Appendix B.

The 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 contaminants of concern (COCs) BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH- gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500.

Laboratory analytical results for lateral delineation soil samples SS03, SS05 through SS08, and SS10 through SS16 and delineation pothole samples PH01 (0.5 ft bgs), PH02 (0.5 ft bgs), PH03 (0.5 ft bgs), PH04 (1 ft and 2 ft bgs), PH08 (0.5 ft bgs), and PH11 (2 ft bgs), collected within the release extent indicated that TPH and/or chloride concentrations exceeded the Closure Criteria. Laboratory analytical results for the assessment soil samples SS01, SS02, SS04, and SS09, and the remaining delineation soil samples (PH01 through PH11) collected at depths ranging from 1 to 4 ft bgs within and around the release extent, indicated that all COC concentrations were compliant with the Closure Criteria, and confirmed the lateral and vertical extent of the release. Laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Appendix C. Based on the laboratory analytical results, additional remediation activities were warranted.

EXCAVATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

From June 10, 2024 through August 29, 2024, Ensolum personnel returned to the Site to oversee excavation activities. Impacted soil was excavated from the release area as indicated by visible staining and laboratory analytical results for the delineation soil samples. Excavation activities were performed using track-mounted backhoe and transport vehicle as well as a hydrovac. To direct excavation activities, soil was screened for VOCs and chloride. The excavation was completed to depths ranging from 1.5 feet bgs to 4.5 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of the impacted soil, 5-point composite soil samples were collected at least every 400 square feet from the floor of the excavation, and every 200 square feet from the sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite floor soil samples FS01 through FS161 were collected from the floor of the excavation from depths ranging from 1 foot bgs to 4.5 feet bgs. The sidewall soil samples were collected, handled, and analyzed following the same procedures as described above. Composite sidewall soil samples SW01 through SW10 were collected from the sidewall of the excavation from depths ranging from ground surface to 4.5 feet bgs. The excavation extent and excavation soil sample locations are presented on Figure 3.

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The excavation area measured approximately 70,487 square feet. A total of approximately 3,485 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Carlsbad, New Mexico.

Laboratory analytical results for the final excavation floor samples FS01 through FS161, and final excavation sidewall samples SW01 through SW10 indicated that all COC concentrations were compliant with the Closure Criteria and no further remediation was required. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Appendix D.

BACKFILLING

Subsequent to the results of the final confirmation soil sampling, the excavated area was backfilled with clean fill material and then contoured to the original surrounding grade. Two composite soil samples (BF01 and BF02) were collected from the backfill material prior to use at the Site. Since the release area was on an active pad site, no reclamation or revegetation was required in that area at this time. The portion of the excavation that extended off-pad will be seeded with a SLO approved seed mixture in the Spring for re-vegetation.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the December 1, 2022 release of produced water and crude oil. Laboratory analytical results for the soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. Oxy has completed backfill of the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions. As such, Oxy respectfully requests closure for Incident Number nAPP2233950650.

If you have any questions or comments, please contact Mr. Beaux Jennings at (210) 219-8858 or Bjennings@ensolum.com.

Sincerely,
Ensolum, LLC

A handwritten signature in black ink that reads "Samantha MacKenzie".

Samantha MacKenzie
Staff Geologist

A handwritten signature in black ink that reads "Tacoma Morrissey".

Tacoma Morrissey
Senior Geologist

cc: Wade Dittrich, Oxy USA Inc.
Tyson Pierce, Oxy USA Inc.
New Mexico State Land Office

Appendices:

Appendix A Figures

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	Figure 1	Topographic
	Figure 2	Site Vicinity
	Figure 3	Site Map
	Figure 4	Closure Criteria
Appendix B	Photographic Log	
Appendix C	Table	
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation	
Appendix E	Referenced Well Records	
Appendix F	NMOCD Notifications	



APPENDIX A

Figures



Oxy USA Inc.
Turkey Track 9-10 34H CTB
32.6702553° N, 104.0901915° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417172

FIGURE

1

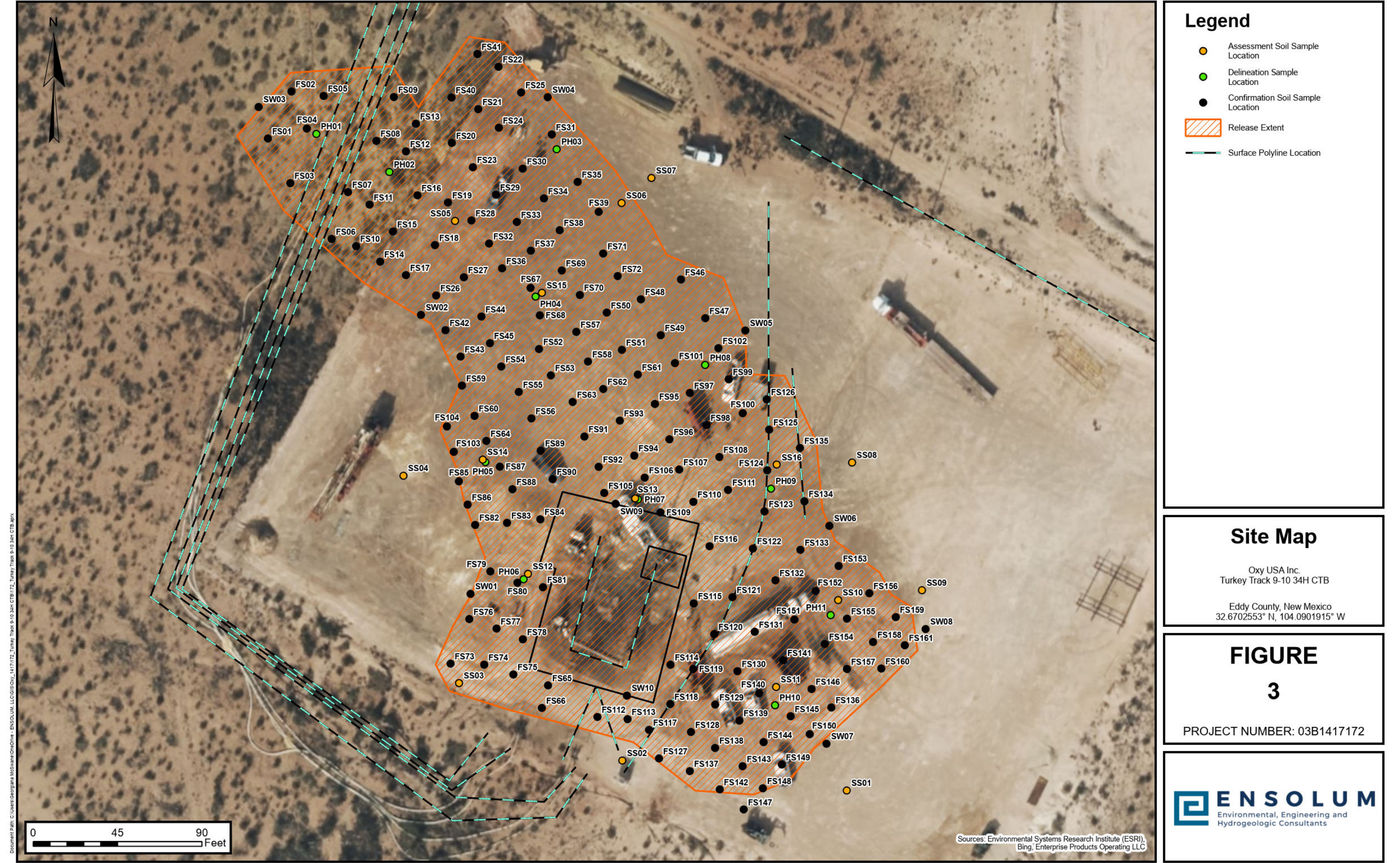


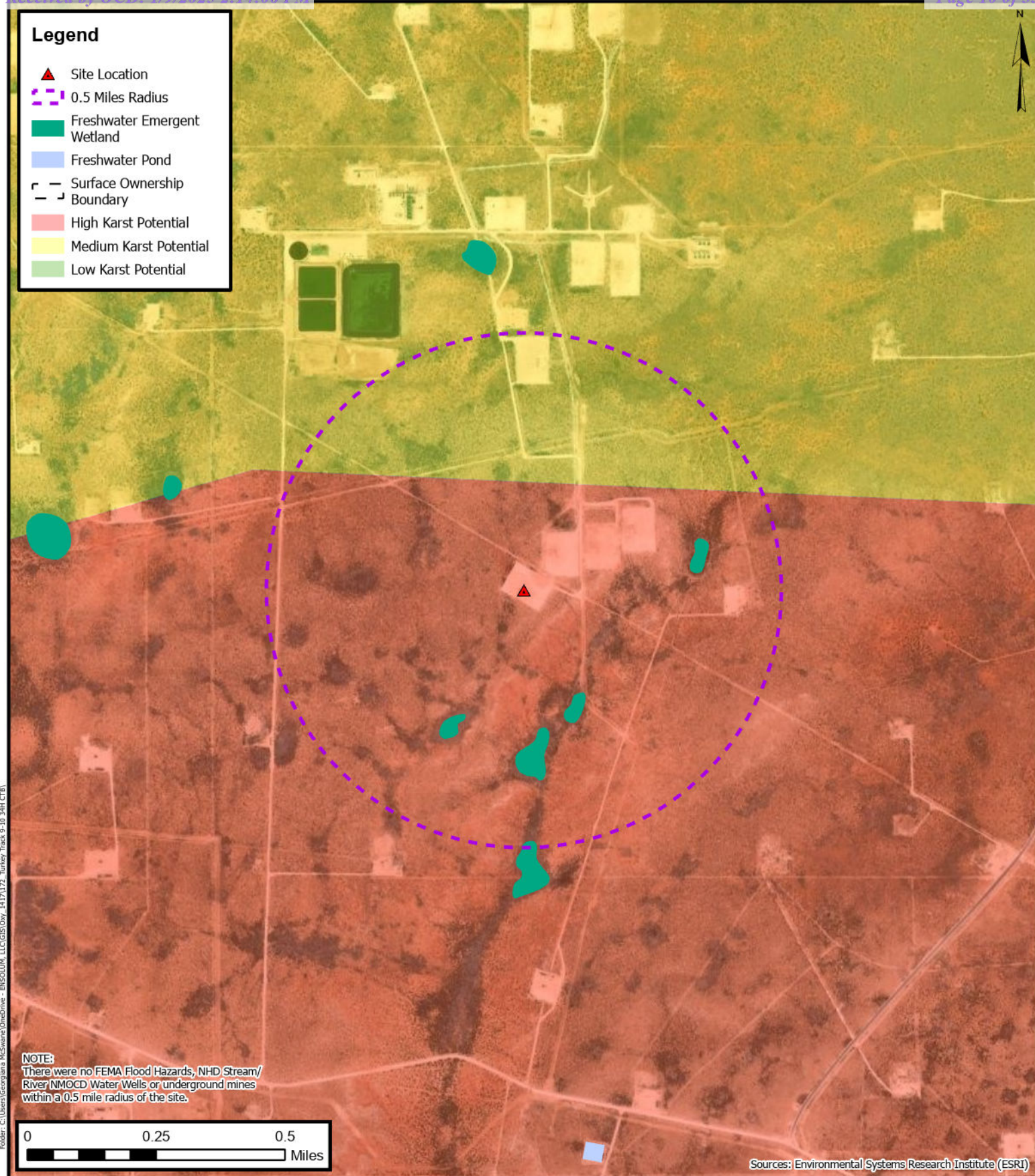
Site Vicinity Map

Oxy USA Inc.
 Turkey Track 9-10 34H CTB
 32.6702553° N, 104.0901915° W
 Eddy County, New Mexico

PROJECT NUMBER: 03B1417172

FIGURE
2





Closure Criteria Map

Oxy USA Inc.
Turkey Track 9-10 34H CTB
32.6702553° N, 104.0901915° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417172

FIGURE

4



APPENDIX B

Photographic Log

**Photographic Log**

Oxy USA, inc

Turkey Track 9-10 34H CTB

Incident Number: nAPP2233950650

South West Elevation

☉ 77°NE (T) • 32.670672, -104.090635 ±5m



18 Apr 2024, 12:05:50 PM

North West Elevation

☉ 147°SE (T) • 32.670633, -104.090656 ±5m



18 Apr 2024, 12:05:46 PM

Photograph: 1 Date: 4/18/2024

Description: Soil staining in release footprint

View: Southwest

Photograph: 2 Date: 4/18/2024

Description: Soil staining in release footprint

View: Northwest

South East Elevation

☉ 326°NW (T) • 32.670189, -104.090144 ±7m



21 Jun 2024, 3:11:19 PM

North East Elevation

☉ 215°SW (T) • 32.67045, -104.089968 ±6m



21 Jun 2024, 3:11:56 PM

Photograph: 3 Date: 6/21/2024

Description: Excavation activities

View: Southeast

Photograph: 4 Date: 6/21/2024

Description: Excavation activities

View: Northeast



Photographic Log

Oxy USA, inc

Turkey Track 9-10 34H CTB

Incident Number: nAPP2233950650



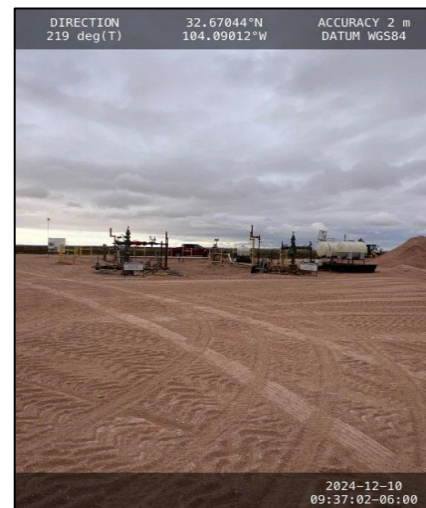
Photograph: 5 Date: 7/17/2024
Description: Excavation Activites
View: Northeast



Photograph: 6 Date: 7/17/2024
Description: Excavation Activites
View: North



Photograph: 7 Date: 12/10/2024
Description: Backfill activities
View: West



Photograph: 8 Date: 12/10/2024
Description: Backfill activities
View: Northeast



APPENDIX C

Table



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Turkey Track 9-10 34H CBT
 Oxy USA Inc.
 Eddy County, New Mexico
 Ensolum Project No. 03B1417172

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total (GRO+DRO+MRO) C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			10	NE	NE	NE	50	NE	NE	NE	100	600
Assessment Soil Sample Analytical Results												
SS01	04/18/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.7	25.9	63.6	112
SS02	04/18/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
SS03	04/18/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	86.9	44.3	131	160
SS04	04/18/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.1	<10.0	12.1	80.0
SS05	06/10/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	796	260	1,056	224
SS06	06/10/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	730	259	989	576
SS07	04/18/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,460	809	2,269	64.0
SS08	04/18/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,250	712	1,962	304
SS09	06/10/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
SS10	04/18/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	459	244	703	688
SS11	04/18/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	34.1	16.7	50.8	17,600
SS12	04/18/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2,130	772	2,902	21,600
SS13	04/18/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	846	388	1,234	4,700
SS14	04/18/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	6,530	2,130	8,660	12,400
SS15	04/18/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2,560	1,050	3,610	1,040
SS16	04/18/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	235	144	379	352
Delineation Soil Sample Analytical Results												
PH01	05/07/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,630	547	2,177	352
	05/07/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
	05/07/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
PH02	05/07/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	4,570	1,790	6,360	448
	05/07/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	41.1	48.5	89.6	256
	05/07/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.3	<10.0	16.3	192
PH03	05/07/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,460	850	2,310	1,440
	05/07/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	27.7	27.7	304
	05/07/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	592
PH04	05/07/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,300
	05/07/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	816
	05/07/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Turkey Track 9-10 34H CBT
 Oxy USA Inc.
 Eddy County, New Mexico
 Ensolum Project No. 03B1417172

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total (GRO+DRO+MRO) C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			10	NE	NE	NE	50	NE	NE	NE	100	600
PH05	05/07/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
	05/07/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
PH06	05/07/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
	05/07/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
PH07	05/07/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
	05/07/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
PH08	05/08/2024	0.5	<0.050	<0.050	0.056	0.350	0.406	<10.0	326	162	488	1,410
	05/08/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
	05/08/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
PH09	05/08/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
	05/08/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
PH10	05/08/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
	05/08/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
PH11	05/08/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2,320
	05/08/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
Excavation Floor Soil Sample Analytical Results												
FS01	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	72.6	13.7	86.3	288
FS02	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS03	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	59.3	10.7	70.0	256
FS04	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS05	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
FS06	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
FS07	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
FS08	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	29.1	<10.0	29.1	208
FS09	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
FS10	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	29.0	<10.0	29.0	368
FS11	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
FS12	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
FS13	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
FS14	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160



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 Eddy County, New Mexico
 Ensolum Project No. 03B1417172

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total (GRO+DRO+MRO) C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			10	NE	NE	NE	50	NE	NE	NE	100	600
FS15	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
FS16	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
FS17	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.8	<10.0	18.8	272
FS18	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	116	19.6	136	448
	06/28/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
FS19	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS20	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
FS21	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS22	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
FS23	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
FS24	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
FS25	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
FS26	06/13/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
FS27	06/28/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	41.7	<10.0	41.7	208
FS28	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
FS29	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
FS30	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
FS31	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
FS32	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
FS33	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
FS34	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
FS35	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
FS36	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
FS37	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
FS38	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
FS39	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
FS40	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	122	40.1	162	240
	06/28/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	470	142.0	612	208
	08/05/2024	2	<0.050	<0.050	<0.050	<0.050	<0.300	<10.0	166	62.0	228	16
	08/29/2024	2	NS					<10.0	<10.0	<10.0	<10.0	NS



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Turkey Track 9-10 34H CBT
 Oxy USA Inc.
 Eddy County, New Mexico
 Ensolum Project No. 03B1417172

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total (GRO+DRO+MRO) C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			10	NE	NE	NE	50	NE	NE	NE	100	600
FS41	06/14/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
FS42	06/14/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
FS43	06/14/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS44	06/14/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS45	06/14/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
FS46	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS47	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS48	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
FS49	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS50	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
FS51	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.5	<10.0	16.5	288
FS52	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
FS53	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
FS54	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
FS55	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
FS56	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
FS57	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	46.4	<10.0	46.4	256
FS58	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
FS59	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
FS60	06/18/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
FS61	06/19/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
FS62	06/19/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
FS63	06/19/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
FS64	06/19/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
FS65	06/19/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
FS66	06/19/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
FS67	06/19/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
FS68	06/19/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
FS69	06/19/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
FS70	06/19/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Turkey Track 9-10 34H CBT
 Oxy USA Inc.
 Eddy County, New Mexico
 Ensolum Project No. 03B1417172

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total (GRO+DRO+MRO) C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			10	NE	NE	NE	50	NE	NE	NE	100	600
FS71	06/19/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
FS72	06/19/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
FS73	06/19/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
FS74	06/19/2024	1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS75	06/19/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
	06/21/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
FS76	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	163	77.3	240	<16.0
	08/29/2024	1	NS					<10.0	<10.0	<10.0	<10.0	NS
FS77	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.1	<10.0	27.1	<16.0
FS78	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
FS79	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	155	71.9	227	<16.0
	08/29/2024	1	NS					<10.0	<10.0	<10.0	<10.0	NS
FS80	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
FS81	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
FS82	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
FS83	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
FS84	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
FS85	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
FS86	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
FS87	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	175	86.5	262	<16.0
	08/29/2024	1	NS					<10.0	<10.0	<10.0	<10.0	NS
FS88	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
FS89	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
FS90	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
FS91	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.6	<10.0	17.6	336
FS92	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
FS93	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.8	<10.0	17.8	16.0
FS94	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
FS95	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	143	63.3	206	16
	08/29/2024	1	NS					<10.0	<10.0	<10.0	<10.0	NS



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Turkey Track 9-10 34H CBT
 Oxy USA Inc.
 Eddy County, New Mexico
 Ensolum Project No. 03B1417172

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total (GRO+DRO+MRO) C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			10	NE	NE	NE	50	NE	NE	NE	100	600
FS96	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	61.3	16.9	78.2	16.0
FS97	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	127	50.8	178	<16.0
	08/29/2024	1	NS					<10.0	<10.0	<10.0	<10.0	NS
FS98	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	169	78.3	247	<16.0
	08/29/2024	1	NS					<10.0	<10.0	<10.0	<10.0	NS
FS99	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
FS100	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	78	24.5	102	<16.0
	08/29/2024	1	NS					<10.0	<10.0	<10.0	<10.0	NS
FS101	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	25.9	<10.0	25.9	<16.0
FS102	08/05/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
FS103	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.0	<10.0	16.0	144
FS104	06/21/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
FS105	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	58.9	18.6	77.5	352
FS106	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
FS107	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	576
FS108	07/17/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
FS109	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.6	<10.0	11.6	336
FS110	08/05/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
FS111	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
FS112	07/17/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
FS113	07/17/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	656
	08/05/2024	3.5	NS									64.0
FS114	07/17/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	832
	08/05/2024	2.5	NS									64.0
FS115	07/17/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
FS116	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS117	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS118	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS119	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.5	<10.0	20.5	352
FS120	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Turkey Track 9-10 34H CBT
 Oxy USA Inc.
 Eddy County, New Mexico
 Ensolum Project No. 03B1417172

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total (GRO+DRO+MRO) C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			10	NE	NE	NE	50	NE	NE	NE	100	600
FS121	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	50.5	<10.0	50.5	32.0
FS122	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS123	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS124	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
FS125	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
FS126	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
FS127	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
FS128	08/05/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS129	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
FS130	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
FS131	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
FS132	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
FS133	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS134	07/17/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
FS135	07/17/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
FS136	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
FS137	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
FS138	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	464
FS139	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS140	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
FS141	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
FS142	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
FS143	07/17/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
FS144	08/05/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	30.5	<10.0	30.5	16.0
FS145	07/17/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
FS146	07/17/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Turkey Track 9-10 34H CBT
 Oxy USA Inc.
 Eddy County, New Mexico
 Ensolum Project No. 03B1417172

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total (GRO+DRO+MRO) C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			10	NE	NE	NE	50	NE	NE	NE	100	600
FS147	07/17/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
FS148	07/17/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
FS149	07/17/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
FS150	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	75.8	15.4	91.2	368
FS151	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
FS152	07/17/2024	4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS153	07/17/2024	4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS154	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
FS155	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
FS156	07/17/2024	4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS157	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
FS158	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
FS159	07/17/2024	4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS160	07/03/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
FS161	08/05/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
Excavation Sidewall Soil Sample Analytical Results												
SW01	08/05/2024	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.9	<10.0	19.9	16.0
SW02	08/05/2024	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	57.3	17.7	75.0	16.0
SW03	07/03/2024	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	378	180	558	480
	08/05/2024	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	81	31	112	16
	08/29/2024	0 - 1	NS					<10.0	<10.0	<10.0	<10.0	NS
SW04	08/05/2024	0 - 2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.7	12.9	65.6	16.0
SW05	08/05/2024	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	75	28	104	16
	08/29/2024	0 - 1	NS					<10.0	<10.0	<10.0	<10.0	NS
SW06	08/05/2024	0 - 2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW07	08/05/2024	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.7	<10.0	10.7	32.0
SW08	08/05/2024	0 - 4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	176	121	297	<16.0
	08/29/2024	0 - 4.5	NS					<10.0	<10.0	<10.0	<10.0	NS
SW09	08/05/2024	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SW10	08/05/2024	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Turkey Track 9-10 34H CBT
 Oxy USA Inc.
 Eddy County, New Mexico
 Ensolum Project No. 03B1417172

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C ₆ -C ₁₂ (mg/kg)	TPH DRO >C ₁₂ -C ₂₈ (mg/kg)	TPH MRO >C ₂₈ -C ₃₅ (mg/kg)	TPH Total (GRO+DRO+MRO) C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			10	NE	NE	NE	50	NE	NE	NE	100	600
Backfill Soil Sample Analytical Results												
BF01	06/10/2024	N/A	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
BF02	06/10/2024	N/A	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0

Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release

Concentrations filled in have been excavated and/or resampled

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation



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

April 24, 2024

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/18/24 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/18/2024
 Reported: 04/24/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 01 0.25 (H242088-01)

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	04/22/2024	ND	2.01	100	2.00	6.37	
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	6.88	
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.96	97.9	2.00	6.62	
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.96	99.3	6.00	5.73	
Total BTEX	<0.300	0.300	04/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	04/23/2024	ND	464	116	400	3.39	

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	04/19/2024	ND	197	98.4	200	1.94	
DRO >C10-C28*	37.7	10.0	04/19/2024	ND	193	96.4	200	9.64	
EXT DRO >C28-C36	25.9	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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
BEAUX JENNINGS
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 04/18/2024
Reported: 04/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: 32.6702553, -104.0901915

Sampling Date: 04/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 02 0.25 (H242088-02)

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	04/22/2024	ND	2.01	100	2.00	6.37		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	6.88		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.96	97.9	2.00	6.62		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.96	99.3	6.00	5.73		
Total BTEx	<0.300	0.300	04/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	176	16.0	04/23/2024	ND	464	116	400	3.39		

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	04/19/2024	ND	197	98.4	200	1.94	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	193	96.4	200	9.64	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/18/2024
 Reported: 04/24/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 03 0.25 (H242088-03)

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	04/22/2024	ND	2.01	100	2.00	6.37	
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	6.88	
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.96	97.9	2.00	6.62	
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.96	99.3	6.00	5.73	
Total BTEX	<0.300	0.300	04/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	04/23/2024	ND	464	116	400	3.39	

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	04/19/2024	ND	197	98.4	200	1.94	
DRO >C10-C28*	86.9	10.0	04/19/2024	ND	193	96.4	200	9.64	
EXT DRO >C28-C36	44.3	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/18/2024
 Reported: 04/24/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 04 0.25 (H242088-04)

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	04/22/2024	ND	2.01	100	2.00	6.37	
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	6.88	
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.96	97.9	2.00	6.62	
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.96	99.3	6.00	5.73	
Total BTEX	<0.300	0.300	04/22/2024	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	80.0	16.0	04/22/2024	ND	480	120	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	04/19/2024	ND	197	98.4	200	1.94	
DRO >C10-C28*	12.1	10.0	04/19/2024	ND	193	96.4	200	9.64	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/18/2024
 Reported: 04/24/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 07 0.25 (H242088-05)

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	04/22/2024	ND	2.01	100	2.00	6.37		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	6.88		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.96	97.9	2.00	6.62		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.96	99.3	6.00	5.73		
Total BTEX	<0.300	0.300	04/22/2024	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	04/22/2024	ND	480	120	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	04/19/2024	ND	197	98.4	200	1.94	
DRO >C10-C28*	1460	10.0	04/19/2024	ND	193	96.4	200	9.64	
EXT DRO >C28-C36	809	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/18/2024
 Reported: 04/24/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 08 0.25 (H242088-06)

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	04/23/2024	ND	2.01	100	2.00	6.37	
Toluene*	<0.050	0.050	04/23/2024	ND	2.02	101	2.00	6.88	
Ethylbenzene*	<0.050	0.050	04/23/2024	ND	1.96	97.9	2.00	6.62	
Total Xylenes*	<0.150	0.150	04/23/2024	ND	5.96	99.3	6.00	5.73	
Total BTEX	<0.300	0.300	04/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 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	304	16.0	04/22/2024	ND	480	120	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	04/19/2024	ND	197	98.4	200	1.94	
DRO >C10-C28*	1250	10.0	04/19/2024	ND	193	96.4	200	9.64	
EXT DRO >C28-C36	712	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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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".

Celey D. Keene, Lab Director/Quality Manager

Page 9 of 9



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

April 24, 2024

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/18/24 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/18/2024
 Reported: 04/24/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 10 0.5 (H242089-01)

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	04/22/2024	ND	2.01	100	2.00	6.37		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	6.88		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.96	97.9	2.00	6.62		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.96	99.3	6.00	5.73		
Total BTEX	<0.300	0.300	04/22/2024	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	688	16.0	04/22/2024	ND	480	120	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	04/19/2024	ND	197	98.4	200	1.94	
DRO >C10-C28*	459	10.0	04/19/2024	ND	193	96.4	200	9.64	
EXT DRO >C28-C36	244	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/18/2024
 Reported: 04/24/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 11 0.5 (H242089-02)

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	04/22/2024	ND	2.01	100	2.00	6.37		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	6.88		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.96	97.9	2.00	6.62		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.96	99.3	6.00	5.73		
Total BTEX	<0.300	0.300	04/22/2024	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	17600	16.0	04/22/2024	ND	480	120	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	04/19/2024	ND	197	98.4	200	1.94	
DRO >C10-C28*	34.1	10.0	04/19/2024	ND	193	96.4	200	9.64	
EXT DRO >C28-C36	16.7	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/18/2024
 Reported: 04/24/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 12 0.5 (H242089-03)

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	04/22/2024	ND	2.01	100	2.00	6.37		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	6.88		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.96	97.9	2.00	6.62		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.96	99.3	6.00	5.73		
Total BTEX	<0.300	0.300	04/22/2024	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	21600	16.0	04/22/2024	ND	480	120	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	04/19/2024	ND	197	98.4	200	1.94	
DRO >C10-C28*	2130	10.0	04/19/2024	ND	193	96.4	200	9.64	
EXT DRO >C28-C36	772	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/18/2024
 Reported: 04/24/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 13 0.5 (H242089-04)

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	04/22/2024	ND	2.01	100	2.00	6.37		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	6.88		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.96	97.9	2.00	6.62		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.96	99.3	6.00	5.73		
Total BTEX	<0.300	0.300	04/22/2024	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	4700	16.0	04/22/2024	ND	480	120	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	04/19/2024	ND	197	98.4	200	1.94	
DRO >C10-C28*	846	10.0	04/19/2024	ND	193	96.4	200	9.64	
EXT DRO >C28-C36	388	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/18/2024
 Reported: 04/24/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 14 0.5 (H242089-05)

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	04/22/2024	ND	2.01	100	2.00	6.37		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	6.88		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.96	97.9	2.00	6.62		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.96	99.3	6.00	5.73		
Total BTEX	<0.300	0.300	04/22/2024	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	12400	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	197	98.4	200	1.94	
DRO >C10-C28*	6530	10.0	04/19/2024	ND	193	96.4	200	9.64	
EXT DRO >C28-C36	2130	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 162 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/18/2024
 Reported: 04/24/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 15 0.5 (H242089-06)

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	04/22/2024	ND	2.01	100	2.00	6.37		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	6.88		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.96	97.9	2.00	6.62		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.96	99.3	6.00	5.73		
Total BTEX	<0.300	0.300	04/22/2024	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	1040	16.0	04/22/2024	ND	480	120	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	04/19/2024	ND	197	98.4	200	1.94	
DRO >C10-C28*	2560	10.0	04/19/2024	ND	193	96.4	200	9.64	
EXT DRO >C28-C36	1050	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/18/2024
 Reported: 04/24/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SS 16 0.5 (H242089-07)

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	04/22/2024	ND	2.01	100	2.00	6.37		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	6.88		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.96	97.9	2.00	6.62		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.96	99.3	6.00	5.73		
Total BTEX	<0.300	0.300	04/22/2024	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	352	16.0	04/22/2024	ND	480	120	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	04/20/2024	ND	197	98.4	200	1.94	
DRO >C10-C28*	235	10.0	04/20/2024	ND	193	96.4	200	9.64	
EXT DRO >C28-C36	144	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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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.
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

Company Name: Ensolum, LLC

Project Manager: Beaux Jennings

Address: 601 N. Marlenfield St. STE 400
City: Midland **State:** TX **Zip:** 79701

Phone #: (210)219-8858 **Email:** bjennings@ensolum.com

Project #: 03B1417172 **Project Owner:**

Project Name: Turkey Track 9-10 34H CTB

Project Location: 32.6702553, -104.0901915

Sample Name: Kaoru Shimada

FOR LAB USE ONLY

P.O. #:

Company:

Attn:

Address:

City:

State: **Zip:**

Phone #:

Email:

BILL TO

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
HA2089	5510	0.5	✓	1	✓						4/18/24	941	✓	✓	✓
	5511	7	✓	1								944			
	5512	8.5	✓	1								944	✓	✓	✓
	5513	7	✓	1								951	✓	✓	✓
	5514	6	✓	1								954	✓	✓	✓
	5515	0.5	✓	1								958	✓	✓	✓
	5516	0.5	✓	1								1061	✓	✓	✓

REMARKS: Paykey/AFE/NonAFE:

Verbal Result: ☐ Yes ☒ No

Advt Phone #:

All Results are emailed. Please provide Email address:

Relinquished By: *Kaoru Shimada*

Date: 4/18/24

Time:

Received By: *Beaux Jennings*

Date:

Time:

Delivered By: (Circle One) ☒ Sample ☐ Cool ☐ Batch

Sampler - UPS - Bus - Other:

Thermometer ID: #140

Correction Factor: -0.3

Standard: ☒ Observed Temp. °C

Batched (only) Sample Condition:

Thermometer ID: #140

Correction Factor: -0.3

Standard: ☒ Observed Temp. °C

Batched (only) Sample Condition:



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

May 14, 2024

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/08/24 13:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 01 0.5 (H242499-01)

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	05/10/2024	ND	2.04	102	2.00	0.283	
Toluene*	<0.050	0.050	05/10/2024	ND	2.08	104	2.00	2.90	
Ethylbenzene*	<0.050	0.050	05/10/2024	ND	2.14	107	2.00	3.58	
Total Xylenes*	<0.150	0.150	05/10/2024	ND	6.53	109	6.00	3.44	
Total BTEX	<0.300	0.300	05/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	05/10/2024	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	05/10/2024	ND	188	94.2	200	1.38	
DRO >C10-C28*	1630	10.0	05/10/2024	ND	208	104	200	2.47	
EXT DRO >C28-C36	547	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 01 1 (H242499-02)

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	05/10/2024	ND	2.04	102	2.00	0.283		
Toluene*	<0.050	0.050	05/10/2024	ND	2.08	104	2.00	2.90		
Ethylbenzene*	<0.050	0.050	05/10/2024	ND	2.14	107	2.00	3.58		
Total Xylenes*	<0.150	0.150	05/10/2024	ND	6.53	109	6.00	3.44		
Total BTX	<0.300	0.300	05/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	256	16.0	05/10/2024	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	05/10/2024	ND	188	94.2	200	1.38	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	208	104	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 01 2 (H242499-03)

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	05/10/2024	ND	2.04	102	2.00	0.283		
Toluene*	<0.050	0.050	05/10/2024	ND	2.08	104	2.00	2.90		
Ethylbenzene*	<0.050	0.050	05/10/2024	ND	2.14	107	2.00	3.58		
Total Xylenes*	<0.150	0.150	05/10/2024	ND	6.53	109	6.00	3.44		
Total BTEx	<0.300	0.300	05/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	05/10/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 02 0.5 (H242499-04)

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	05/10/2024	ND	2.04	102	2.00	0.283		
Toluene*	<0.050	0.050	05/10/2024	ND	2.08	104	2.00	2.90		
Ethylbenzene*	<0.050	0.050	05/10/2024	ND	2.14	107	2.00	3.58		
Total Xylenes*	<0.150	0.150	05/10/2024	ND	6.53	109	6.00	3.44		
Total BTEX	<0.300	0.300	05/10/2024	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	448	16.0	05/10/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	4570	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	1790	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 172 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 02 1 (H242499-05)

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	05/10/2024	ND	2.04	102	2.00	0.283	
Toluene*	<0.050	0.050	05/10/2024	ND	2.08	104	2.00	2.90	
Ethylbenzene*	<0.050	0.050	05/10/2024	ND	2.14	107	2.00	3.58	
Total Xylenes*	<0.150	0.150	05/10/2024	ND	6.53	109	6.00	3.44	
Total BTEx	<0.300	0.300	05/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	256	16.0	05/10/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	41.1	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	48.5	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 02 4 (H242499-06)

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	05/10/2024	ND	2.04	102	2.00	0.283	
Toluene*	<0.050	0.050	05/10/2024	ND	2.08	104	2.00	2.90	
Ethylbenzene*	<0.050	0.050	05/10/2024	ND	2.14	107	2.00	3.58	
Total Xylenes*	<0.150	0.150	05/10/2024	ND	6.53	109	6.00	3.44	
Total BTEX	<0.300	0.300	05/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	192	16.0	05/10/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	16.3	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 03 0.5 (H242499-07)

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	05/10/2024	ND	2.04	102	2.00	0.283	
Toluene*	<0.050	0.050	05/10/2024	ND	2.08	104	2.00	2.90	
Ethylbenzene*	<0.050	0.050	05/10/2024	ND	2.14	107	2.00	3.58	
Total Xylenes*	<0.150	0.150	05/10/2024	ND	6.53	109	6.00	3.44	
Total BTEX	<0.300	0.300	05/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1440	16.0	05/10/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	1460	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	850	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 03 1 (H242499-08)

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	05/10/2024	ND	2.04	102	2.00	0.283		
Toluene*	<0.050	0.050	05/10/2024	ND	2.08	104	2.00	2.90		
Ethylbenzene*	<0.050	0.050	05/10/2024	ND	2.14	107	2.00	3.58		
Total Xylenes*	<0.150	0.150	05/10/2024	ND	6.53	109	6.00	3.44		
Total BTEx	<0.300	0.300	05/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	304	16.0	05/10/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	27.7	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 03 4 (H242499-09)

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	05/10/2024	ND	2.04	102	2.00	0.283		
Toluene*	<0.050	0.050	05/10/2024	ND	2.08	104	2.00	2.90		
Ethylbenzene*	<0.050	0.050	05/10/2024	ND	2.14	107	2.00	3.58		
Total Xylenes*	<0.150	0.150	05/10/2024	ND	6.53	109	6.00	3.44		
Total BTEx	<0.300	0.300	05/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	592	16.0	05/10/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 04 1 (H242499-10)

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	05/10/2024	ND	2.04	102	2.00	0.283		
Toluene*	<0.050	0.050	05/10/2024	ND	2.08	104	2.00	2.90		
Ethylbenzene*	<0.050	0.050	05/10/2024	ND	2.14	107	2.00	3.58		
Total Xylenes*	<0.150	0.150	05/10/2024	ND	6.53	109	6.00	3.44		
Total BTEx	<0.300	0.300	05/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	1300	16.0	05/10/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 04 2 (H242499-11)

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	05/11/2024	ND	1.98	99.1	2.00	2.59		
Toluene*	<0.050	0.050	05/11/2024	ND	2.06	103	2.00	2.05		
Ethylbenzene*	<0.050	0.050	05/11/2024	ND	2.06	103	2.00	1.77		
Total Xylenes*	<0.150	0.150	05/11/2024	ND	6.35	106	6.00	1.83		
Total BTEX	<0.300	0.300	05/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	816	16.0	05/10/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 04 3 (H242499-12)

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	05/11/2024	ND	1.98	99.1	2.00	2.59		
Toluene*	<0.050	0.050	05/11/2024	ND	2.06	103	2.00	2.05		
Ethylbenzene*	<0.050	0.050	05/11/2024	ND	2.06	103	2.00	1.77		
Total Xylenes*	<0.150	0.150	05/11/2024	ND	6.35	106	6.00	1.83		
Total BTEX	<0.300	0.300	05/11/2024	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	272	16.0	05/10/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 05 1 (H242499-13)

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	05/11/2024	ND	1.98	99.1	2.00	2.59		
Toluene*	<0.050	0.050	05/11/2024	ND	2.06	103	2.00	2.05		
Ethylbenzene*	<0.050	0.050	05/11/2024	ND	2.06	103	2.00	1.77		
Total Xylenes*	<0.150	0.150	05/11/2024	ND	6.35	106	6.00	1.83		
Total BTEx	<0.300	0.300	05/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	320	16.0	05/10/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 05 4 (H242499-14)

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	05/11/2024	ND	1.98	99.1	2.00	2.59		
Toluene*	<0.050	0.050	05/11/2024	ND	2.06	103	2.00	2.05		
Ethylbenzene*	<0.050	0.050	05/11/2024	ND	2.06	103	2.00	1.77		
Total Xylenes*	<0.150	0.150	05/11/2024	ND	6.35	106	6.00	1.83		
Total BTEX	<0.300	0.300	05/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	96.0	16.0	05/10/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 06 1 (H242499-15)

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	05/11/2024	ND	1.98	99.1	2.00	2.59		
Toluene*	<0.050	0.050	05/11/2024	ND	2.06	103	2.00	2.05		
Ethylbenzene*	<0.050	0.050	05/11/2024	ND	2.06	103	2.00	1.77		
Total Xylenes*	<0.150	0.150	05/11/2024	ND	6.35	106	6.00	1.83		
Total BTEX	<0.300	0.300	05/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	05/10/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 06 4 (H242499-16)

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	05/11/2024	ND	1.98	99.1	2.00	2.59		
Toluene*	<0.050	0.050	05/11/2024	ND	2.06	103	2.00	2.05		
Ethylbenzene*	<0.050	0.050	05/11/2024	ND	2.06	103	2.00	1.77		
Total Xylenes*	<0.150	0.150	05/11/2024	ND	6.35	106	6.00	1.83		
Total BTEX	<0.300	0.300	05/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	05/10/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 07 1 (H242499-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	1.90	QR-03
Toluene*	<0.050	0.050	05/13/2024	ND	2.05	102	2.00	1.99	QR-03
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.01	100	2.00	1.82	QR-03
Total Xylenes*	<0.150	0.150	05/13/2024	ND	5.90	98.3	6.00	2.14	QM-07, QR-03
Total BTEx	<0.300	0.300	05/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.2 % 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	208	16.0	05/13/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/07/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 07 2 (H242499-18)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	1.90		
Toluene*	<0.050	0.050	05/13/2024	ND	2.05	102	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.01	100	2.00	1.82		
Total Xylenes*	<0.150	0.150	05/13/2024	ND	5.90	98.3	6.00	2.14		
Total BTEX	<0.300	0.300	05/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 84.7 % 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	05/13/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 08 0.5 (H242499-19)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	1.90	
Toluene*	<0.050	0.050	05/13/2024	ND	2.05	102	2.00	1.99	
Ethylbenzene*	0.056	0.050	05/13/2024	ND	2.01	100	2.00	1.82	
Total Xylenes*	0.350	0.150	05/13/2024	ND	5.90	98.3	6.00	2.14	
Total BTEX	0.406	0.300	05/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 83.6 % 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	1410	16.0	05/13/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	326	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	162	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 08 1 (H242499-20)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	1.90	
Toluene*	<0.050	0.050	05/13/2024	ND	2.05	102	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.01	100	2.00	1.82	
Total Xylenes*	<0.150	0.150	05/13/2024	ND	5.90	98.3	6.00	2.14	
Total BTEX	<0.300	0.300	05/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 83.9 % 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	05/13/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 08 4 (H242499-21)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	1.90	
Toluene*	<0.050	0.050	05/13/2024	ND	2.05	102	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.01	100	2.00	1.82	
Total Xylenes*	<0.150	0.150	05/13/2024	ND	5.90	98.3	6.00	2.14	
Total BTEX	<0.300	0.300	05/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 83.7 % 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	176	16.0	05/13/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 09 1 (H242499-22)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	1.90	
Toluene*	<0.050	0.050	05/13/2024	ND	2.05	102	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.01	100	2.00	1.82	
Total Xylenes*	<0.150	0.150	05/13/2024	ND	5.90	98.3	6.00	2.14	
Total BTEX	<0.300	0.300	05/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.8 % 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	32.0	16.0	05/13/2024	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	05/10/2024	ND	186	92.9	200	0.181	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	184	92.2	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 09 4 (H242499-23)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	1.90	
Toluene*	<0.050	0.050	05/13/2024	ND	2.05	102	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.01	100	2.00	1.82	
Total Xylenes*	<0.150	0.150	05/13/2024	ND	5.90	98.3	6.00	2.14	
Total BTEX	<0.300	0.300	05/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 83.9 % 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	05/13/2024	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	05/10/2024	ND	175	87.6	200	1.56	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	179	89.6	200	0.762	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 10 1 (H242499-24)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	1.90	
Toluene*	<0.050	0.050	05/13/2024	ND	2.05	102	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.01	100	2.00	1.82	
Total Xylenes*	<0.150	0.150	05/13/2024	ND	5.90	98.3	6.00	2.14	
Total BTEX	<0.300	0.300	05/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.6 % 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	112	16.0	05/13/2024	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	05/10/2024	ND	175	87.6	200	1.56	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	179	89.6	200	0.762	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 10 4 (H242499-25)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	1.90	
Toluene*	<0.050	0.050	05/13/2024	ND	2.05	102	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.01	100	2.00	1.82	
Total Xylenes*	<0.150	0.150	05/13/2024	ND	5.90	98.3	6.00	2.14	
Total BTEX	<0.300	0.300	05/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.6 % 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	240	16.0	05/13/2024	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	05/10/2024	ND	175	87.6	200	1.56	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	179	89.6	200	0.762	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 11 2 (H242499-26)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	1.90	
Toluene*	<0.050	0.050	05/13/2024	ND	2.05	102	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.01	100	2.00	1.82	
Total Xylenes*	<0.150	0.150	05/13/2024	ND	5.90	98.3	6.00	2.14	
Total BTEX	<0.300	0.300	05/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.2 % 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	2320	16.0	05/13/2024	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	05/10/2024	ND	175	87.6	200	1.56	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	179	89.6	200	0.762	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/08/2024
 Reported: 05/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: 32.6702553, -104.0901915

Sampling Date: 05/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PH 11 4 (H242499-27)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2024	ND	2.08	104	2.00	1.90	
Toluene*	<0.050	0.050	05/13/2024	ND	2.05	102	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/13/2024	ND	2.01	100	2.00	1.82	
Total Xylenes*	<0.150	0.150	05/13/2024	ND	5.90	98.3	6.00	2.14	
Total BTEX	<0.300	0.300	05/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 83.8 % 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	05/13/2024	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	05/10/2024	ND	175	87.6	200	1.56	
DRO >C10-C28*	<10.0	10.0	05/10/2024	ND	179	89.6	200	0.762	
EXT DRO >C28-C36	<10.0	10.0	05/10/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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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

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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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

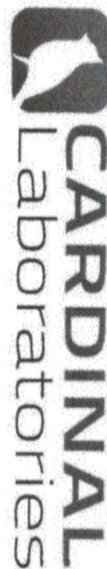
+ Cardinal cannot accept verbal changes. Please email changes to celeyn.keene@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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 14, 2024

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/10/24 14:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/10/2024
 Reported: 06/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SS 05 0.25' (H243306-01)

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	06/13/2024	ND	1.96	98.1	2.00	0.559	
Toluene*	<0.050	0.050	06/13/2024	ND	1.97	98.6	2.00	0.630	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.88	93.9	2.00	0.219	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.84	97.3	6.00	0.0826	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	06/13/2024	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	06/12/2024	ND	195	97.4	200	0.697	
DRO >C10-C28*	796	10.0	06/12/2024	ND	188	93.9	200	0.285	
EXT DRO >C28-C36	260	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/10/2024
 Reported: 06/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SS 06 0.25' (H243306-02)

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	06/13/2024	ND	1.96	98.1	2.00	0.559		
Toluene*	<0.050	0.050	06/13/2024	ND	1.97	98.6	2.00	0.630		
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.88	93.9	2.00	0.219		
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.84	97.3	6.00	0.0826		
Total BTEX	<0.300	0.300	06/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	576	16.0	06/13/2024	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	06/13/2024	ND	186	92.9	200	8.51	
DRO >C10-C28*	730	10.0	06/13/2024	ND	185	92.6	200	9.25	QM-07
EXT DRO >C28-C36	259	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/10/2024
 Reported: 06/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SS 09 0.25' (H243306-03)

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	06/13/2024	ND	1.96	98.1	2.00	0.559	
Toluene*	<0.050	0.050	06/13/2024	ND	1.97	98.6	2.00	0.630	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.88	93.9	2.00	0.219	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.84	97.3	6.00	0.0826	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	06/13/2024	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	06/12/2024	ND	186	92.9	200	8.51	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	185	92.6	200	9.25	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 58.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 54.6 % 49.1-148

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

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 "Caley D. Keene".

Caley 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: Beaux Jennings Address: 601 N. Marientfeld St. STE 400 City: Midland Phone #: 210-219-8858 Fax #: Project #: 03B1417172 Project Owner: Project Name: Turkey Track 9-10 34H CTB Project Location: 32.0702553, -104.0901915 Sampler Name: Mariah O'Dell				BILL TO P.O. #: Company: Oxy USA, Inc. Attn: Wade Dittrich Address: City: State: Zip: Phone #: 575-390-2828 Fax #:				ANALYSIS REQUEST											
FOR LAB USE ONLY				MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				PRESERV. ACID/BASE: ICE / COOL OTHER:				SAMPLING DATE TIME				BTEX TPH Chloride 4500			
Lab I.D. H443306 Sample I.D. SS05 Sample Depth (feet) 0.25' (G)RAB OR (C)OMP. G # CONTAINERS 1 DATE 01/10/24 TIME 10:00				SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:				DATE TIME				BTEX TPH Chloride 4500			
Relinquished By: [Signature] Date: 01/10/24 Time: 14:52 Received By: [Signature] Date: 01/10/24 Time: 14:54				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: Blennings@ensolum.com, hgreene@ensolum.com REMARKS: Incident #: N A P P 2233950050				Turnaround Time: 5 days Thermometer ID - #119 Correction Factor - 0.5°C				Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C							
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Observed Temp. °C Corrected Temp. °C				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> CHECKED BY: [Signature]				Turnaround Time: 5 days Thermometer ID - #119 Correction Factor - 0.5°C				Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C			

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



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

June 14, 2024

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/10/24 14:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/10/2024
 Reported: 06/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BF 01 (H243307-01)

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	06/13/2024	ND	1.96	98.1	2.00	0.559	
Toluene*	<0.050	0.050	06/13/2024	ND	1.97	98.6	2.00	0.630	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.88	93.9	2.00	0.219	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.84	97.3	6.00	0.0826	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	06/13/2024	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	06/12/2024	ND	186	92.9	200	8.51	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	185	92.6	200	9.25	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.5 % 49.1-148

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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/10/2024
 Reported: 06/14/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BF 02 (H243307-02)

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	06/13/2024	ND	1.96	98.1	2.00	0.559		
Toluene*	<0.050	0.050	06/13/2024	ND	1.97	98.6	2.00	0.630		
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.88	93.9	2.00	0.219		
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.84	97.3	6.00	0.0826		
Total BTEX	<0.300	0.300	06/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	64.0	16.0	06/13/2024	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	06/12/2024	ND	186	92.9	200	8.51	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	185	92.6	200	9.25	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST													
Project Manager: Beaux Jennings				P.O. #:																	
Address: 601 N. Marlenfeld St. STE 400				Company: Oxy USA, Inc.																	
City: Midland				Attn: Wade Dittich																	
Phone #: 210-219-8858				Address:																	
Project #: 03B141712				City:																	
Project Name: Turkey Track 9-10344 CTB				State: Zip:																	
Project Location: 32.0702553, -104.0901915				Phone #: 575-390-2828																	
Sampler Name: Mariaha O'Dell				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV.	SAMPLING													
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	TPH	Chloride 4500			
1843307	BF01	—	C 1	1	X		X				X			10/10/24	10:25	X	X	X			
	BF02	—	C 1	1	X									10/10/24	10:27	X					
MND																					
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Relinquished By: <i>M. O'Dell</i>		Date: 11/10/24	Time: 14:52	Received By: <i>W. Keene</i>																	
Relinquished By:		Date:	Time:	Received By:																	
Delivered By: (Circle One)		Observed Temp. °C	Corrected Temp. °C	Sample Condition		CHECKED BY: (Initials)															
Sampler - UPS - Bus - Other:		4.0 °C	4.0 °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition															
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No															
TURNAROUND TIME: 5 days		Thermometer ID #443	Correction Factor -0.5 °C	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition															
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No															
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp. °C															
REMARKS: Incident #: NAPP2233950450																					
Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:																			
All Results are emailed. Please provide Email address:		Blenjings@ensolum.com, hgreene@ensolum.com																			

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



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

June 19, 2024

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/13/24 16:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 01 1 (H243451-01)

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	06/17/2024	ND	2.06	103	2.00	0.512	
Toluene*	<0.050	0.050	06/17/2024	ND	2.20	110	2.00	0.00178	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	2.21	110	2.00	0.139	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	6.86	114	6.00	0.341	
Total BTX	<0.300	0.300	06/17/2024	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	288	16.0	06/18/2024	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	06/17/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	72.6	10.0	06/17/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	13.7	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 02 1 (H243451-02)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEX	<0.300	0.300	06/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	160	16.0	06/18/2024	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	06/17/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 03 1 (H243451-03)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEx	<0.300	0.300	06/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	256	16.0	06/18/2024	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	06/17/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	59.3	10.0	06/17/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	10.7	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 04 1 (H243451-04)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEX	<0.300	0.300	06/18/2024	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	160	16.0	06/18/2024	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	06/17/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 05 1 (H243451-05)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEX	<0.300	0.300	06/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	128	16.0	06/18/2024	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	06/17/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 06 1 (H243451-06)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEX	<0.300	0.300	06/18/2024	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	352	16.0	06/18/2024	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	06/17/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 07 1 (H243451-07)

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	06/18/2024	ND	2.06	103	2.00	0.512	
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341	
Total BTX	<0.300	0.300	06/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	272	16.0	06/18/2024	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	06/17/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 08 1 (H243451-08)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEX	<0.300	0.300	06/18/2024	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	208	16.0	06/18/2024	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	06/17/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	29.1	10.0	06/17/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
BEAUX JENNINGS
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 06/13/2024
Reported: 06/19/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 09 1 (H243451-09)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEX	<0.300	0.300	06/18/2024	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	64.0	16.0	06/18/2024	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	06/17/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 10 1 (H243451-10)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEX	<0.300	0.300	06/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	368	16.0	06/18/2024	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	06/17/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	29.0	10.0	06/17/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 11 1 (H243451-11)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEX	<0.300	0.300	06/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	192	16.0	06/18/2024	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	06/17/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 12 1 (H243451-12)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEX	<0.300	0.300	06/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	06/18/2024	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	06/17/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 13 1 (H243451-13)

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	06/18/2024	ND	2.06	103	2.00	0.512	
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341	
Total BTEX	<0.300	0.300	06/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	208	16.0	06/18/2024	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	06/18/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 14 1 (H243451-14)

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	06/18/2024	ND	2.06	103	2.00	0.512	
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341	
Total BTEX	<0.300	0.300	06/18/2024	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	160	16.0	06/18/2024	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	06/18/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 15 1 (H243451-15)

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	06/18/2024	ND	2.06	103	2.00	0.512	
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341	
Total BTEX	<0.300	0.300	06/18/2024	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	400	16.0	06/18/2024	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	06/18/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 16 1 (H243451-16)

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	06/18/2024	ND	2.06	103	2.00	0.512	
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341	
Total BTEX	<0.300	0.300	06/18/2024	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	400	16.0	06/18/2024	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	06/18/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 17 1 (H243451-17)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEx	<0.300	0.300	06/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	06/18/2024	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	06/18/2024	ND	186	93.0	200	3.78	
DRO >C10-C28*	18.8	10.0	06/18/2024	ND	183	91.5	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 18 1 (H243451-18)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEX	<0.300	0.300	06/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	448	16.0	06/18/2024	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	06/17/2024	ND	224	112	200	2.01	
DRO >C10-C28*	116	10.0	06/17/2024	ND	227	113	200	2.97	
EXT DRO >C28-C36	19.6	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 19 1 (H243451-19)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEX	<0.300	0.300	06/18/2024	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	160	16.0	06/18/2024	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	06/17/2024	ND	224	112	200	2.01	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	227	113	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 20 1 (H243451-20)

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	06/18/2024	ND	2.06	103	2.00	0.512		
Toluene*	<0.050	0.050	06/18/2024	ND	2.20	110	2.00	0.00178		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	2.21	110	2.00	0.139		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	6.86	114	6.00	0.341		
Total BTEX	<0.300	0.300	06/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	240	16.0	06/18/2024	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	06/17/2024	ND	224	112	200	2.01	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	227	113	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 21 1 (H243451-21)

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	06/18/2024	ND	1.89	94.3	2.00	0.585		
Toluene*	<0.050	0.050	06/18/2024	ND	1.89	94.4	2.00	0.241		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.80	89.8	2.00	0.489		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.62	93.6	6.00	0.400		
Total BTEX	<0.300	0.300	06/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	06/18/2024	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	06/17/2024	ND	224	112	200	2.01	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	227	113	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 22 1 (H243451-22)

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	06/18/2024	ND	1.89	94.3	2.00	0.585	
Toluene*	<0.050	0.050	06/18/2024	ND	1.89	94.4	2.00	0.241	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.80	89.8	2.00	0.489	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.62	93.6	6.00	0.400	
Total BTEX	<0.300	0.300	06/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	240	16.0	06/18/2024	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	06/17/2024	ND	224	112	200	2.01	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	227	113	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 23 1 (H243451-23)

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	06/18/2024	ND	1.89	94.3	2.00	0.585	
Toluene*	<0.050	0.050	06/18/2024	ND	1.89	94.4	2.00	0.241	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.80	89.8	2.00	0.489	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.62	93.6	6.00	0.400	
Total BTEX	<0.300	0.300	06/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	06/18/2024	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	06/17/2024	ND	224	112	200	2.01	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	227	113	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 24 1 (H243451-24)

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	06/18/2024	ND	1.89	94.3	2.00	0.585		
Toluene*	<0.050	0.050	06/18/2024	ND	1.89	94.4	2.00	0.241		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.80	89.8	2.00	0.489		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.62	93.6	6.00	0.400		
Total BTEX	<0.300	0.300	06/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	06/18/2024	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	06/17/2024	ND	224	112	200	2.01	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	227	113	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 25 1 (H243451-25)

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	06/18/2024	ND	1.89	94.3	2.00	0.585		
Toluene*	<0.050	0.050	06/18/2024	ND	1.89	94.4	2.00	0.241		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.80	89.8	2.00	0.489		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.62	93.6	6.00	0.400		
Total BTEX	<0.300	0.300	06/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	06/18/2024	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	06/17/2024	ND	224	112	200	2.01	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	227	113	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/13/2024
 Reported: 06/19/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 26 1 (H243451-26)

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	06/18/2024	ND	1.89	94.3	2.00	0.585		
Toluene*	<0.050	0.050	06/18/2024	ND	1.89	94.4	2.00	0.241		
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.80	89.8	2.00	0.489		
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.62	93.6	6.00	0.400		
Total BTEx	<0.300	0.300	06/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	06/18/2024	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	06/18/2024	ND	224	112	200	2.01	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	227	113	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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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".

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: Beau Jennings

Address: 601 N. Maricopa St. STE 400

City: Holland

State: TX Zip: 79401

Phone #: 214-8858

Fax #:

Project #: 03B1417172

Project Owner:

Project Name: Turkey Tract 9-10 34H CTB

Project Location:

Sampler Name: Kora Shimada

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: OXY USA, Inc

Attn: Wade Dillie

Address:

City:

State:

Zip:

Phone #: 575-390-2828

Fax #:

Matrix

Preserv

Sampling

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

TIME

TIME

TIME

TIME

TIME

TIME

TIME

TIME

TIME

TIME

TIME

TIME

TIME

TIME

TIME

TIME

TIME

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TIME

TIME

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Relinquished By:

Date: 6-13-24

Received By:

Date: 6-13-24

Received By:

Remarks:

Relinquished By:

Date: 6-13-24

Received By:

Date: 6-13-24

Received By:

Remarks:

Delivered By: (Circle One)

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Checked By:

Turnaround Time:

Standard

Batch

Bacteria (only) Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Checked By:

Turnaround Time:

Standard

Batch

Bacteria (only) Sample Condition

Observed Temp. °C

Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to caley.lee@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensochem, LLC Project Manager: Brax Jennings Address: 601 N. Mainfield St Ste 400 City: Midland State: TX Zip: 79701 Phone #: 210-214-8858 Fax #: Project #: 03B141712 Project Owner: Project Name: Turkey Track 7-10 34H CTB Project Location: Sampler Name: Keorn Shimada		P.O. #: Company: OXY USA, Inc Address: Wyle Pitrch City: State: Zip: Phone #: 575-390-2828 Fax #:	
FOR LAB USE ONLY		ANALYSIS REQUEST	
Lab I.D. H243457	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :
11	511	1	DATE
12	512	1	TIME
13	513	1	
14	514	1	
15	515	1	
16	516	1	
17	517	1	
18	518	1	
19	519	1	
20	520	1	
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Relinquished By: Keorn Shimada Relinquished By: [Signature]		REMARKS: BTEX, TPH, Chloride 4500	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 27 Corrected Temp. °C Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Other <input type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: [Signature] Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #410 #450 #450 #450 Correction Factor -0.00 Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No 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
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Beau Jennings

Address: 601 N Maricopa St STE 400

City: Midland State: TX Zip: 79701

Phone #: 214-248-8858 Fax #:

Project #: 123814 (7172) Project Owner:

Project Name: Turkey Track 9-10 34H CTB

Project Location:

Sampler Name: Kara Shimada

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: CXT USA

Attn: Glade Pithich

Address:

City:

State: Zip: 575-390-280

Phone #:

Fax #:

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

DATE

TIME

BTEX

TPH

Chloride 4500

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Relinquished By:

Date: 6-13-24

Received By:

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

All Results are emailed. Please provide Email address:

Relinquished By:

Date: 6-13-23

Received By:

REMARKS:

Beau Jennings @ ensolum.com

Delivered By: (Circle One)

Observed Temp. °C

27

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard

Flush

Bacteria (only) Sample Condition

Cool Inlet

Observed Temp. °C

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Cool Inlet

Turnaround Time:

Standard

Flush

Bacteria (only) Sample Condition

Cool Inlet

Observed Temp. °C

Corrected Temp. °C

101000-000 R 3.24 10/07/21

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



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

June 21, 2024

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/17/24 14:26.

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 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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 28 1 (H243510-01)

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	06/20/2024	ND	2.19	110	2.00	7.20	
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61	
Total BTEX	<0.300	0.300	06/20/2024	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	192	16.0	06/19/2024	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	06/18/2024	ND	176	87.9	200	1.77	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	170	85.2	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 29 1 (H243510-02)

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	06/20/2024	ND	2.19	110	2.00	7.20	
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61	
Total BTEX	<0.300	0.300	06/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	240	16.0	06/19/2024	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	06/18/2024	ND	176	87.9	200	1.77	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	170	85.2	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 30 1 (H243510-03)

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	06/20/2024	ND	2.19	110	2.00	7.20		
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61		
Total BTEx	<0.300	0.300	06/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	304	16.0	06/19/2024	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	06/18/2024	ND	176	87.9	200	1.77	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	170	85.2	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 31 1 (H243510-04)

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	06/20/2024	ND	2.19	110	2.00	7.20	
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61	
Total BTEX	<0.300	0.300	06/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	256	16.0	06/19/2024	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	06/18/2024	ND	176	87.9	200	1.77	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	170	85.2	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 32 1 (H243510-05)

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	06/20/2024	ND	2.19	110	2.00	7.20		
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61		
Total BTEx	<0.300	0.300	06/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	256	16.0	06/19/2024	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	06/18/2024	ND	176	87.9	200	1.77	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	170	85.2	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 33 1 (H243510-06)

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	06/20/2024	ND	2.19	110	2.00	7.20		
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61		
Total BTEX	<0.300	0.300	06/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	192	16.0	06/19/2024	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	06/18/2024	ND	176	87.9	200	1.77	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	170	85.2	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 49.1-148

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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 34 1 (H243510-07)

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	06/20/2024	ND	2.19	110	2.00	7.20		
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61		
Total BTEX	<0.300	0.300	06/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	192	16.0	06/19/2024	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	06/19/2024	ND	220	110	200	0.601	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	215	108	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 35 1 (H243510-08)

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	06/20/2024	ND	2.19	110	2.00	7.20		
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61		
Total BTX	<0.300	0.300	06/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	240	16.0	06/19/2024	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	06/19/2024	ND	220	110	200	0.601	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	215	108	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 36 1 (H243510-09)

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	06/20/2024	ND	2.19	110	2.00	7.20		
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61		
Total BTEx	<0.300	0.300	06/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	368	16.0	06/19/2024	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	06/19/2024	ND	220	110	200	0.601	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	215	108	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 37 1 (H243510-10)

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	06/20/2024	ND	2.19	110	2.00	7.20		
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61		
Total BTEX	<0.300	0.300	06/20/2024	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	288	16.0	06/19/2024	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	06/19/2024	ND	220	110	200	0.601	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	215	108	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 38 1 (H243510-11)

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	06/20/2024	ND	2.19	110	2.00	7.20		
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61		
Total BTEx	<0.300	0.300	06/20/2024	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	384	16.0	06/19/2024	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	06/19/2024	ND	220	110	200	0.601	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	215	108	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 39 1 (H243510-12)

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	06/20/2024	ND	2.19	110	2.00	7.20		
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61		
Total BTX	<0.300	0.300	06/20/2024	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	240	16.0	06/19/2024	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	06/19/2024	ND	220	110	200	0.601	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	215	108	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 40 1 (H243510-13)

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	06/20/2024	ND	2.19	110	2.00	7.20		
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61		
Total BTEX	<0.300	0.300	06/20/2024	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	240	16.0	06/19/2024	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	06/19/2024	ND	220	110	200	0.601	
DRO >C10-C28*	122	10.0	06/19/2024	ND	215	108	200	1.12	
EXT DRO >C28-C36	40.1	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 41 1 (H243510-14)

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	06/20/2024	ND	2.19	110	2.00	7.20	
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61	
Total BTEX	<0.300	0.300	06/20/2024	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	256	16.0	06/19/2024	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	06/19/2024	ND	220	110	200	0.601	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	215	108	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 42 2 (H243510-15)

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	06/20/2024	ND	2.19	110	2.00	7.20		
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61		
Total BTEx	<0.300	0.300	06/20/2024	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	176	16.0	06/19/2024	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	06/19/2024	ND	220	110	200	0.601	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	215	108	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 43 2 (H243510-16)

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	06/20/2024	ND	2.19	110	2.00	7.20	
Toluene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	8.74	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.22	111	2.00	9.00	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	7.02	117	6.00	9.61	
Total BTEX	<0.300	0.300	06/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	06/19/2024	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	06/19/2024	ND	220	110	200	0.601	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	215	108	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 44 2 (H243510-17)

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	06/20/2024	ND	1.85	92.3	2.00	2.79		
Toluene*	<0.050	0.050	06/20/2024	ND	1.97	98.7	2.00	7.35		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.03	101	2.00	10.6		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	6.05	101	6.00	10.9		
Total BTEX	<0.300	0.300	06/20/2024	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	06/19/2024	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	06/19/2024	ND	220	110	200	0.601	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	215	108	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/17/2024
 Reported: 06/21/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 45 2 (H243510-18)

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	06/20/2024	ND	1.85	92.3	2.00	2.79		
Toluene*	<0.050	0.050	06/20/2024	ND	1.97	98.7	2.00	7.35		
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	2.03	101	2.00	10.6		
Total Xylenes*	<0.150	0.150	06/20/2024	ND	6.05	101	6.00	10.9		
Total BTEX	<0.300	0.300	06/20/2024	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	288	16.0	06/19/2024	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	06/19/2024	ND	220	110	200	0.601	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	215	108	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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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 "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		P.O. #:		ANALYSIS REQUEST															
Project Manager: Beaux Jennings		Company: Oxy USA, Inc.																	
Address: 601 N. Marientfeld St. STE 400		Attn: Wade Dittich																	
City: Midland		State: TX Zip: 79701																	
Phone #: 210-219-8858		Fax #:																	
Project #: 03b1417172		Project Owner:																	
Project Name: Turkey Track 9-10 34H CTB		City:																	
Project Location:		State: Zip:																	
Sampler Name: Kaoru Shimada		Phone #: 575-390-2828																	
FOR LAB USE ONLY		Fax #:																	
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			DATE	TIME	BTX 8021B	TPH 8015M	Chloride 4500Cl							
					GROUNDWATER	WASTEWATER	SOIL						OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	
AL43510	F3228	1	C	1	X				6/14/24	956	X	X	X						
1	F3229	1	C	1	X				6/14/24	958	X	X	X						
2	F3300	1	C	1	X				6/14/24	1000	X	X	X						
3	F3301	1	C	1	X				6/14/24	1001	X	X	X						
4	F3302	1	C	1	X				6/14/24	1021	X	X	X						
5	F3303	1	C	1	X				6/14/24	1502	X	X	X						
6	F3304	1	C	1	X				6/14/24	1025	X	X	X						
7	F3305	1	C	1	X				6/14/24	1024	X	X	X						
8	F3306	1	C	1	X				6/14/24	1105	X	X	X						
9	F3307	1	C	1	X				6/14/24	1107	X	X	X						
10	F3308	1	C	1	X				6/14/24	1109	X	X	X						

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Relinquished By: <u>Kaoru Shimada</u>	Date: <u>6/17/24</u>	Received By: <u>[Signature]</u>	Date: <u>6/17/24</u>
Relinquished By: <u>[Signature]</u>	Date: <u>6/17/24</u>	Received By: <u>[Signature]</u>	Date: <u>6/17/24</u>

Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: <u>[Signature]</u>	Turnaround Time: <u>44h</u>	Standard <u>Rush</u>	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:			Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C
			Corrected Temp. °C				Corrected Temp. °C	

FORM-000 R 3.2 10/07/21

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

June 24, 2024

BEAUX JENNINGS

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/18/24 13:34.

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
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 46 1' (H243570-01)

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	06/21/2024	ND	2.31	115	2.00	7.66		
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10		
Total BTEX	<0.300	0.300	06/21/2024	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	160	16.0	06/20/2024	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	06/20/2024	ND	202	101	200	4.76	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	212	106	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 47 1' (H243570-02)

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	06/21/2024	ND	2.31	115	2.00	7.66		
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10		
Total BTX	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	06/20/2024	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	06/20/2024	ND	202	101	200	4.76	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	212	106	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 48 1' (H243570-03)

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	06/21/2024	ND	2.31	115	2.00	7.66		
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10		
Total BTX	<0.300	0.300	06/21/2024	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	320	16.0	06/20/2024	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	06/20/2024	ND	202	101	200	4.76	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	212	106	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 49 1' (H243570-04)

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	06/21/2024	ND	2.31	115	2.00	7.66	
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10	
Total BTX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	06/20/2024	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	06/20/2024	ND	202	101	200	4.76	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	212	106	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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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
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 50 1' (H243570-05)

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	06/21/2024	ND	2.31	115	2.00	7.66	
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10	
Total BTX	<0.300	0.300	06/21/2024	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	176	16.0	06/20/2024	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	06/20/2024	ND	202	101	200	4.76	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	212	106	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 51 1' (H243570-06)

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	06/21/2024	ND	2.31	115	2.00	7.66		
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10		
Total BTX	<0.300	0.300	06/21/2024	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	06/20/2024	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	06/20/2024	ND	202	101	200	4.76	
DRO >C10-C28*	16.5	10.0	06/20/2024	ND	212	106	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 52 1' (H243570-07)

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	06/21/2024	ND	2.31	115	2.00	7.66		
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10		
Total BTEx	<0.300	0.300	06/21/2024	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	240	16.0	06/20/2024	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	06/20/2024	ND	175	87.7	200	3.70	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	175	87.4	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.9 % 49.1-148

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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 53 1' (H243570-08)

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	06/21/2024	ND	2.31	115	2.00	7.66	
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10	
Total BTX	<0.300	0.300	06/21/2024	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	336	16.0	06/20/2024	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	06/20/2024	ND	175	87.7	200	3.70	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	175	87.4	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.8 % 49.1-148

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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 54 1' (H243570-09)

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	06/21/2024	ND	2.31	115	2.00	7.66		
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10		
Total BTEx	<0.300	0.300	06/21/2024	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	256	16.0	06/20/2024	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	06/20/2024	ND	175	87.7	200	3.70	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	175	87.4	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 55 1' (H243570-10)

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	06/21/2024	ND	2.31	115	2.00	7.66		
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10		
Total BTEx	<0.300	0.300	06/21/2024	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	112	16.0	06/20/2024	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	06/20/2024	ND	175	87.7	200	3.70	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	175	87.4	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 56 1' (H243570-11)

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	06/21/2024	ND	2.31	115	2.00	7.66		
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10		
Total BTEx	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	06/20/2024	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	06/20/2024	ND	175	87.7	200	3.70	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	175	87.4	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 49.1-148

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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 57 1' (H243570-12)

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	06/21/2024	ND	2.31	115	2.00	7.66		
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10		
Total BTEx	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	256	16.0	06/20/2024	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	06/20/2024	ND	175	87.7	200	3.70	
DRO >C10-C28*	46.4	10.0	06/20/2024	ND	175	87.4	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 58 1' (H243570-13)

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	06/21/2024	ND	2.31	115	2.00	7.66		
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10		
Total BTEx	<0.300	0.300	06/21/2024	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	176	16.0	06/20/2024	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	06/20/2024	ND	175	87.7	200	3.70	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	175	87.4	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 59 1' (H243570-14)

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	06/21/2024	ND	2.31	115	2.00	7.66		
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10		
Total BTEx	<0.300	0.300	06/21/2024	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	384	16.0	06/20/2024	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	06/20/2024	ND	175	87.7	200	3.70	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	175	87.4	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 06/18/2024
Reported: 06/24/2024
Project Name: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Location: OXY

Sampling Date: 06/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 60 1' (H243570-15)

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	06/21/2024	ND	2.31	115	2.00	7.66	
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10	
Total BTX	<0.300	0.300	06/21/2024	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	240	16.0	06/20/2024	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	06/20/2024	ND	175	87.7	200	3.70	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	175	87.4	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 74.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.5 % 49.1-148

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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 "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

[illegible]



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(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 26, 2024

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/20/24 12:37.

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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 61 1 (H243650-01)

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	06/25/2024	ND	1.83	91.4	2.00	15.4		
Toluene*	<0.050	0.050	06/25/2024	ND	1.84	91.9	2.00	9.36		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	98.9	2.00	6.72		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	5.85	97.5	6.00	6.15		
Total BTEX	<0.300	0.300	06/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	192	16.0	06/24/2024	ND	416	104	400	7.41		

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	06/24/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 62 1 (H243650-02)

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	06/25/2024	ND	1.83	91.4	2.00	15.4		
Toluene*	<0.050	0.050	06/25/2024	ND	1.84	91.9	2.00	9.36		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	98.9	2.00	6.72		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	5.85	97.5	6.00	6.15		
Total BTEX	<0.300	0.300	06/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	400	16.0	06/24/2024	ND	416	104	400	7.41		

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	06/24/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 63 1 (H243650-03)

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	06/25/2024	ND	1.83	91.4	2.00	15.4		
Toluene*	<0.050	0.050	06/25/2024	ND	1.84	91.9	2.00	9.36		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	98.9	2.00	6.72		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	5.85	97.5	6.00	6.15		
Total BTEX	<0.300	0.300	06/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	224	16.0	06/24/2024	ND	416	104	400	7.41		

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	06/24/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 64 1 (H243650-04)

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	06/25/2024	ND	1.83	91.4	2.00	15.4		
Toluene*	<0.050	0.050	06/25/2024	ND	1.84	91.9	2.00	9.36		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	98.9	2.00	6.72		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	5.85	97.5	6.00	6.15		
Total BTEX	<0.300	0.300	06/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	416	16.0	06/24/2024	ND	416	104	400	7.41		

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	06/24/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 65 1.5 (H243650-05)

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	06/25/2024	ND	1.83	91.4	2.00	15.4		
Toluene*	<0.050	0.050	06/25/2024	ND	1.84	91.9	2.00	9.36		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	98.9	2.00	6.72		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	5.85	97.5	6.00	6.15		
Total BTEX	<0.300	0.300	06/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	304	16.0	06/24/2024	ND	416	104	400	7.41		

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	06/24/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 66 1.5 (H243650-06)

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	06/25/2024	ND	1.83	91.4	2.00	15.4		
Toluene*	<0.050	0.050	06/25/2024	ND	1.84	91.9	2.00	9.36		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	98.9	2.00	6.72		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	5.85	97.5	6.00	6.15		
Total BTEX	<0.300	0.300	06/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	432	16.0	06/24/2024	ND	416	104	400	7.41		

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	06/24/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 67 2 (H243650-07)

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	06/25/2024	ND	2.00	99.9	2.00	3.20		
Toluene*	<0.050	0.050	06/25/2024	ND	1.92	95.8	2.00	2.50		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	99.1	2.00	3.81		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.10	102	6.00	3.67		
Total BTEX	<0.300	0.300	06/25/2024	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	208	16.0	06/24/2024	ND	416	104	400	7.41	

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	06/24/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 68 2 (H243650-08)

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	06/25/2024	ND	2.00	99.9	2.00	3.20		
Toluene*	<0.050	0.050	06/25/2024	ND	1.92	95.8	2.00	2.50		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	99.1	2.00	3.81		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.10	102	6.00	3.67		
Total BTEX	<0.300	0.300	06/25/2024	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	192	16.0	06/24/2024	ND	416	104	400	7.41		

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	06/24/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 69 2 (H243650-09)

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	06/25/2024	ND	2.00	99.9	2.00	3.20		
Toluene*	<0.050	0.050	06/25/2024	ND	1.92	95.8	2.00	2.50		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	99.1	2.00	3.81		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.10	102	6.00	3.67		
Total BTEX	<0.300	0.300	06/25/2024	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	368	16.0	06/24/2024	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	06/24/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 70 2 (H243650-10)

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	06/25/2024	ND	2.00	99.9	2.00	3.20		
Toluene*	<0.050	0.050	06/25/2024	ND	1.92	95.8	2.00	2.50		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	99.1	2.00	3.81		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.10	102	6.00	3.67		
Total BTEX	<0.300	0.300	06/25/2024	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	224	16.0	06/24/2024	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	06/24/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 71 2 (H243650-11)

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	06/25/2024	ND	2.00	99.9	2.00	3.20		
Toluene*	<0.050	0.050	06/25/2024	ND	1.92	95.8	2.00	2.50		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	99.1	2.00	3.81		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.10	102	6.00	3.67		
Total BTEX	<0.300	0.300	06/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	304	16.0	06/24/2024	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	06/24/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 72 2 (H243650-12)

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	06/25/2024	ND	2.00	99.9	2.00	3.20	
Toluene*	<0.050	0.050	06/25/2024	ND	1.92	95.8	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	99.1	2.00	3.81	
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.10	102	6.00	3.67	
Total BTEX	<0.300	0.300	06/25/2024	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	304	16.0	06/24/2024	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	06/24/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/24/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/24/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 73 2 (H243650-13)

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	06/25/2024	ND	2.00	99.9	2.00	3.20		
Toluene*	<0.050	0.050	06/25/2024	ND	1.92	95.8	2.00	2.50		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	99.1	2.00	3.81		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.10	102	6.00	3.67		
Total BTEX	<0.300	0.300	06/25/2024	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	320	16.0	06/24/2024	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	06/25/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 74 1.5 (H243650-14)

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	06/25/2024	ND	2.00	99.9	2.00	3.20		
Toluene*	<0.050	0.050	06/25/2024	ND	1.92	95.8	2.00	2.50		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	99.1	2.00	3.81		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.10	102	6.00	3.67		
Total BTEX	<0.300	0.300	06/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	160	16.0	06/24/2024	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	06/25/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/20/2024
 Reported: 06/26/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 75 1 (H243650-15)

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	06/25/2024	ND	2.00	99.9	2.00	3.20		
Toluene*	<0.050	0.050	06/25/2024	ND	1.92	95.8	2.00	2.50		
Ethylbenzene*	<0.050	0.050	06/25/2024	ND	1.98	99.1	2.00	3.81		
Total Xylenes*	<0.150	0.150	06/25/2024	ND	6.10	102	6.00	3.67		
Total BTEx	<0.300	0.300	06/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	384	16.0	06/24/2024	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	06/25/2024	ND	194	97.2	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	207	104	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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.
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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/2

Company Name: Ensolum, LLC

Project Manager: Beaux Jennings

Address: 601 N. Marientfeld St. STE 400

City: Midland State: TX Zip: 79701

Phone #: 210-219-8858 Fax #:

Project #: 03b1417172 Project Owner:

Project Name: Turkey Track 9-10 34H CTB

Project Location:

Sampler Name: Kaoru Shimada

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Sample Depth (feet)

HA43150

FS 61

FS 62

FS 63

FS 64

FS 65

FS 66

FS 67

FS 68

FS 69

FS 70

FS 71

FS 72

FS 73

FS 74

FS 75

FS 76

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

July 03, 2024

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/26/24 14:49.

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 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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 75 2' (H243833-01)

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	07/02/2024	ND	1.90	95.0	2.00	6.89		
Toluene*	<0.050	0.050	07/02/2024	ND	2.08	104	2.00	5.09		
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.11	106	2.00	4.19		
Total Xylenes*	<0.150	0.150	07/02/2024	ND	6.57	109	6.00	3.96		
Total BTEx	<0.300	0.300	07/02/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/02/2024	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	07/01/2024	ND	186	93.0	200	0.659	
DRO >C10-C28*	<10.0	10.0	07/01/2024	ND	179	89.3	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	07/01/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 78 1' (H243833-02)

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	07/02/2024	ND	1.90	95.0	2.00	6.89		
Toluene*	<0.050	0.050	07/02/2024	ND	2.08	104	2.00	5.09		
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.11	106	2.00	4.19		
Total Xylenes*	<0.150	0.150	07/02/2024	ND	6.57	109	6.00	3.96		
Total BTEX	<0.300	0.300	07/02/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	07/02/2024	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	07/01/2024	ND	186	93.0	200	0.659	
DRO >C10-C28*	<10.0	10.0	07/01/2024	ND	179	89.3	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	07/01/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 80 1' (H243833-03)

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	07/02/2024	ND	1.99	99.6	2.00	3.84	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	4.28	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.17	109	2.00	4.65	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	6.73	112	6.00	4.30	
Total BTEX	<0.300	0.300	07/02/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/02/2024	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	07/02/2024	ND	186	93.0	200	0.659	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	179	89.3	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 81 1' (H243833-04)

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	07/01/2024	ND	1.95	97.5	2.00	6.16	
Toluene*	<0.050	0.050	07/01/2024	ND	2.08	104	2.00	5.96	
Ethylbenzene*	<0.050	0.050	07/01/2024	ND	2.18	109	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/01/2024	ND	6.75	113	6.00	5.97	
Total BTEX	<0.300	0.300	07/01/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	07/02/2024	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	07/02/2024	ND	186	93.0	200	0.659	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	179	89.3	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 82 1' (H243833-05)

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	07/01/2024	ND	1.95	97.5	2.00	6.16		
Toluene*	<0.050	0.050	07/01/2024	ND	2.08	104	2.00	5.96		
Ethylbenzene*	<0.050	0.050	07/01/2024	ND	2.18	109	2.00	5.77		
Total Xylenes*	<0.150	0.150	07/01/2024	ND	6.75	113	6.00	5.97		
Total BTEX	<0.300	0.300	07/01/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/02/2024	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	07/02/2024	ND	186	93.0	200	0.659	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	179	89.3	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 83 1' (H243833-06)

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	07/01/2024	ND	1.95	97.5	2.00	6.16	
Toluene*	<0.050	0.050	07/01/2024	ND	2.08	104	2.00	5.96	
Ethylbenzene*	<0.050	0.050	07/01/2024	ND	2.18	109	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/01/2024	ND	6.75	113	6.00	5.97	
Total BTEX	<0.300	0.300	07/01/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/02/2024	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	07/02/2024	ND	186	93.0	200	0.659	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	179	89.3	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 84 1' (H243833-07)

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	07/01/2024	ND	1.95	97.5	2.00	6.16	
Toluene*	<0.050	0.050	07/01/2024	ND	2.08	104	2.00	5.96	
Ethylbenzene*	<0.050	0.050	07/01/2024	ND	2.18	109	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/01/2024	ND	6.75	113	6.00	5.97	
Total BTEX	<0.300	0.300	07/01/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/02/2024	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	07/02/2024	ND	186	93.0	200	0.659	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	179	89.3	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 85 1' (H243833-08)

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	07/01/2024	ND	1.95	97.5	2.00	6.16	
Toluene*	<0.050	0.050	07/01/2024	ND	2.08	104	2.00	5.96	
Ethylbenzene*	<0.050	0.050	07/01/2024	ND	2.18	109	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/01/2024	ND	6.75	113	6.00	5.97	
Total BTEX	<0.300	0.300	07/01/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/02/2024	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	07/02/2024	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	195	97.4	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 86 1' (H243833-09)

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	07/01/2024	ND	1.95	97.5	2.00	6.16		
Toluene*	<0.050	0.050	07/01/2024	ND	2.08	104	2.00	5.96		
Ethylbenzene*	<0.050	0.050	07/01/2024	ND	2.18	109	2.00	5.77		
Total Xylenes*	<0.150	0.150	07/01/2024	ND	6.75	113	6.00	5.97		
Total BTEX	<0.300	0.300	07/01/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/02/2024	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	07/02/2024	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	195	97.4	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 88 1' (H243833-10)

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	07/01/2024	ND	1.95	97.5	2.00	6.16		
Toluene*	<0.050	0.050	07/01/2024	ND	2.08	104	2.00	5.96		
Ethylbenzene*	<0.050	0.050	07/01/2024	ND	2.18	109	2.00	5.77		
Total Xylenes*	<0.150	0.150	07/01/2024	ND	6.75	113	6.00	5.97		
Total BTEX	<0.300	0.300	07/01/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/02/2024	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	07/02/2024	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	195	97.4	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 89 1' (H243833-11)

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	07/01/2024	ND	1.95	97.5	2.00	6.16		
Toluene*	<0.050	0.050	07/01/2024	ND	2.08	104	2.00	5.96		
Ethylbenzene*	<0.050	0.050	07/01/2024	ND	2.18	109	2.00	5.77		
Total Xylenes*	<0.150	0.150	07/01/2024	ND	6.75	113	6.00	5.97		
Total BTEX	<0.300	0.300	07/01/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/02/2024	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	07/02/2024	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	195	97.4	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 90 1' (H243833-12)

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	07/02/2024	ND	1.95	97.5	2.00	6.16		
Toluene*	<0.050	0.050	07/02/2024	ND	2.08	104	2.00	5.96		
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.18	109	2.00	5.77		
Total Xylenes*	<0.150	0.150	07/02/2024	ND	6.75	113	6.00	5.97		
Total BTEX	<0.300	0.300	07/02/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	07/02/2024	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	07/02/2024	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	195	97.4	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 91 1' (H243833-13)

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	07/02/2024	ND	1.95	97.5	2.00	6.16	
Toluene*	<0.050	0.050	07/02/2024	ND	2.08	104	2.00	5.96	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.18	109	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	6.75	113	6.00	5.97	
Total BTEX	<0.300	0.300	07/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/02/2024	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	07/02/2024	ND	208	104	200	3.62	
DRO >C10-C28*	17.6	10.0	07/02/2024	ND	195	97.4	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 92 1' (H243833-14)

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	07/02/2024	ND	1.95	97.5	2.00	6.16		
Toluene*	<0.050	0.050	07/02/2024	ND	2.08	104	2.00	5.96		
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.18	109	2.00	5.77		
Total Xylenes*	<0.150	0.150	07/02/2024	ND	6.75	113	6.00	5.97		
Total BTEX	<0.300	0.300	07/02/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/02/2024	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	07/02/2024	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	195	97.4	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 94 1' (H243833-15)

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	07/02/2024	ND	1.95	97.5	2.00	6.16		
Toluene*	<0.050	0.050	07/02/2024	ND	2.08	104	2.00	5.96		
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.18	109	2.00	5.77		
Total Xylenes*	<0.150	0.150	07/02/2024	ND	6.75	113	6.00	5.97		
Total BTEX	<0.300	0.300	07/02/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/02/2024	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	07/02/2024	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	195	97.4	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 99 1' (H243833-16)

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	07/02/2024	ND	1.95	97.5	2.00	6.16		
Toluene*	<0.050	0.050	07/02/2024	ND	2.08	104	2.00	5.96		
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.18	109	2.00	5.77		
Total Xylenes*	<0.150	0.150	07/02/2024	ND	6.75	113	6.00	5.97		
Total BTEX	<0.300	0.300	07/02/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/02/2024	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	07/02/2024	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	195	97.4	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 103 1' (H243833-17)

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	07/02/2024	ND	1.95	97.5	2.00	6.16	
Toluene*	<0.050	0.050	07/02/2024	ND	2.08	104	2.00	5.96	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.18	109	2.00	5.77	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	6.75	113	6.00	5.97	
Total BTEx	<0.300	0.300	07/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	144	16.0	07/02/2024	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	07/02/2024	ND	208	104	200	3.62	
DRO >C10-C28*	16.0	10.0	07/02/2024	ND	195	97.4	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 06/26/2024
 Reported: 07/03/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 06/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 104 1' (H243833-18)

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	07/02/2024	ND	1.99	99.6	2.00	3.84	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	4.28	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.17	109	2.00	4.65	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	6.73	112	6.00	4.30	
Total BTEX	<0.300	0.300	07/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	448	16.0	07/02/2024	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	07/02/2024	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	195	97.4	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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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".

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

Page 21 of 22

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

July 08, 2024

BEAUX JENNINGS

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/01/24 14:09.

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 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
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	07/01/2024	Sampling Date:	06/28/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	TURKEY TRACK 9-10 34H CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417172	Sample Received By:	Alyssa Parras
Project Location:	OXY		

Sample ID: FS18 1.5 (H243931-01)

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	07/04/2024	ND	1.91	95.5	2.00	0.998	
Toluene*	<0.050	0.050	07/04/2024	ND	1.90	95.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.01	100	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	5.92	98.7	6.00	1.58	
Total BTEX	<0.300	0.300	07/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/05/2024	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	07/04/2024	ND	217	109	200	0.908	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	215	108	200	0.0195	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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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
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	07/01/2024	Sampling Date:	06/28/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	TURKEY TRACK 9-10 34H CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417172	Sample Received By:	Alyssa Parras
Project Location:	OXY		

Sample ID: FS27 1 (H243931-02)

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	07/04/2024	ND	1.91	95.5	2.00	0.998		
Toluene*	<0.050	0.050	07/04/2024	ND	1.90	95.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.01	100	2.00	1.63		
Total Xylenes*	<0.150	0.150	07/04/2024	ND	5.92	98.7	6.00	1.58		
Total BTEX	<0.300	0.300	07/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	07/05/2024	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	07/04/2024	ND	217	109	200	0.908	
DRO >C10-C28*	41.7	10.0	07/04/2024	ND	215	108	200	0.0195	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BEAUX JENNINGS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	07/01/2024	Sampling Date:	06/28/2024
Reported:	07/08/2024	Sampling Type:	Soil
Project Name:	TURKEY TRACK 9-10 34H CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417172	Sample Received By:	Alyssa Parras
Project Location:	OXY		

Sample ID: FS40 1.5 (H243931-03)

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	07/04/2024	ND	1.91	95.5	2.00	0.998		
Toluene*	<0.050	0.050	07/04/2024	ND	1.90	95.2	2.00	1.52		
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.01	100	2.00	1.63		
Total Xylenes*	<0.150	0.150	07/04/2024	ND	5.92	98.7	6.00	1.58		
Total BTEx	<0.300	0.300	07/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	07/05/2024	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	07/04/2024	ND	217	109	200	0.908	
DRO >C10-C28*	470	10.0	07/04/2024	ND	215	108	200	0.0195	
EXT DRO >C28-C36	142	10.0	07/04/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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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



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

July 11, 2024

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/05/24 15:55.

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 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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 03 0-1 (H244029-01)

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	07/10/2024	ND	2.13	106	2.00	2.34	
Toluene*	<0.050	0.050	07/10/2024	ND	2.34	117	2.00	0.282	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.58	129	2.00	2.73	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	8.06	134	6.00	3.31	
Total BTEX	<0.300	0.300	07/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	480	16.0	07/10/2024	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	07/10/2024	ND	102	102	100	0.193	
DRO >C10-C28*	378	10.0	07/10/2024	ND	83.0	83.0	100	0.388	
EXT DRO >C28-C36	180	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 106 1' (H244029-02)

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	07/10/2024	ND	2.13	106	2.00	2.34	
Toluene*	<0.050	0.050	07/10/2024	ND	2.34	117	2.00	0.282	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.58	129	2.00	2.73	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	8.06	134	6.00	3.31	
Total BTEX	<0.300	0.300	07/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	07/10/2024	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	07/10/2024	ND	102	102	100	0.193	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	83.0	83.0	100	0.388	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 109 1' (H244029-03)

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	07/10/2024	ND	2.13	106	2.00	2.34		
Toluene*	<0.050	0.050	07/10/2024	ND	2.34	117	2.00	0.282		
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.58	129	2.00	2.73		
Total Xylenes*	<0.150	0.150	07/10/2024	ND	8.06	134	6.00	3.31		
Total BTEX	<0.300	0.300	07/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	11.6	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 111 1' (H244029-04)

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	07/10/2024	ND	2.13	106	2.00	2.34		
Toluene*	<0.050	0.050	07/10/2024	ND	2.34	117	2.00	0.282		
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.58	129	2.00	2.73		
Total Xylenes*	<0.150	0.150	07/10/2024	ND	8.06	134	6.00	3.31		
Total BTEX	<0.300	0.300	07/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	256	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 124 1' (H244029-05)

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	07/10/2024	ND	2.13	106	2.00	2.34		
Toluene*	<0.050	0.050	07/10/2024	ND	2.34	117	2.00	0.282		
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.58	129	2.00	2.73		
Total Xylenes*	<0.150	0.150	07/10/2024	ND	8.06	134	6.00	3.31		
Total BTEX	<0.300	0.300	07/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 125 1' (H244029-06)

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	07/10/2024	ND	2.13	106	2.00	2.34	
Toluene*	<0.050	0.050	07/10/2024	ND	2.34	117	2.00	0.282	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.58	129	2.00	2.73	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	8.06	134	6.00	3.31	
Total BTEX	<0.300	0.300	07/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	96.0	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 126 1' (H244029-07)

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	07/10/2024	ND	1.93	96.3	2.00	4.23		
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13		
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39		
Total BTEx	<0.300	0.300	07/10/2024	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	128	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 127 1' (H244029-08)

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	07/10/2024	ND	1.93	96.3	2.00	4.23		
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13		
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39		
Total BTEX	<0.300	0.300	07/10/2024	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	400	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 129 1' (H244029-09)

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	07/10/2024	ND	1.93	96.3	2.00	4.23		
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13		
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39		
Total BTEx	<0.300	0.300	07/10/2024	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	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 130 1' (H244029-10)

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	07/10/2024	ND	1.93	96.3	2.00	4.23		
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13		
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39		
Total BTEX	<0.300	0.300	07/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 131 1' (H244029-11)

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	07/10/2024	ND	1.93	96.3	2.00	4.23	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39	
Total BTEX	<0.300	0.300	07/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 132 1' (H244029-12)

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	07/10/2024	ND	1.93	96.3	2.00	4.23	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39	
Total BTEX	<0.300	0.300	07/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 136 1' (H244029-13)

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	07/10/2024	ND	1.93	96.3	2.00	4.23	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39	
Total BTEX	<0.300	0.300	07/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 137 1' (H244029-14)

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	07/10/2024	ND	1.93	96.3	2.00	4.23	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39	
Total BTEX	<0.300	0.300	07/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 138 1' (H244029-15)

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	07/10/2024	ND	1.93	96.3	2.00	4.23	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39	
Total BTEX	<0.300	0.300	07/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 140 1' (H244029-16)

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	07/10/2024	ND	1.93	96.3	2.00	4.23	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39	
Total BTX	<0.300	0.300	07/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 141 1' (H244029-17)

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	07/10/2024	ND	1.93	96.3	2.00	4.23	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39	
Total BTEX	<0.300	0.300	07/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 142 1' (H244029-18)

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	07/10/2024	ND	1.93	96.3	2.00	4.23		
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13		
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39		
Total BTEX	<0.300	0.300	07/10/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 150 1' (H244029-19)

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	07/10/2024	ND	1.93	96.3	2.00	4.23	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39	
Total BTEX	<0.300	0.300	07/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	75.8	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	15.4	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 151 1' (H244029-20)

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	07/10/2024	ND	1.93	96.3	2.00	4.23	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39	
Total BTEX	<0.300	0.300	07/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 154 1' (H244029-21)

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	07/10/2024	ND	1.93	96.3	2.00	4.23		
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13		
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39		
Total BTEX	<0.300	0.300	07/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 155 1' (H244029-22)

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	07/10/2024	ND	1.93	96.3	2.00	4.23		
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51		
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13		
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39		
Total BTEX	<0.300	0.300	07/10/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	07/10/2024	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	07/10/2024	ND	99.8	99.8	100	2.69	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	81.1	81.1	100	18.0	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 157 1' (H244029-23)

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	07/10/2024	ND	1.93	96.3	2.00	4.23	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39	
Total BTEX	<0.300	0.300	07/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/10/2024	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	07/09/2024	ND	99.2	99.2	100	0.145	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	103	103	100	0.638	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 158 1' (H244029-24)

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	07/10/2024	ND	1.93	96.3	2.00	4.23	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39	
Total BTEX	<0.300	0.300	07/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/10/2024	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	07/09/2024	ND	99.2	99.2	100	0.145	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	103	103	100	0.638	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 160 1' (H244029-25)

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	07/10/2024	ND	1.93	96.3	2.00	4.23	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39	
Total BTEX	<0.300	0.300	07/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	07/10/2024	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	07/09/2024	ND	99.2	99.2	100	0.145	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	103	103	100	0.638	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 68.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.1 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 119 1' (H244029-26)

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	07/10/2024	ND	1.93	96.3	2.00	4.23	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.4	2.00	5.51	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	1.97	98.7	2.00	7.13	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	5.83	97.2	6.00	7.39	
Total BTEX	<0.300	0.300	07/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/10/2024	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	07/09/2024	ND	99.2	99.2	100	0.145	
DRO >C10-C28*	20.5	10.0	07/09/2024	ND	103	103	100	0.638	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 107 1' (H244029-27)

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	07/10/2024	ND	1.97	98.4	2.00	8.75		
Toluene*	<0.050	0.050	07/10/2024	ND	1.96	97.9	2.00	9.33		
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.08	104	2.00	9.73		
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.12	102	6.00	10.2		
Total BTEX	<0.300	0.300	07/10/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	07/10/2024	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	07/09/2024	ND	99.2	99.2	100	0.145	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	103	103	100	0.638	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/05/2024
 Reported: 07/11/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/03/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 105 1' (H244029-28)

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	07/10/2024	ND	1.97	98.4	2.00	8.75	
Toluene*	<0.050	0.050	07/10/2024	ND	1.96	97.9	2.00	9.33	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.08	104	2.00	9.73	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.12	102	6.00	10.2	
Total BTEX	<0.300	0.300	07/10/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/10/2024	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	07/09/2024	ND	99.2	99.2	100	0.145	
DRO >C10-C28*	58.9	10.0	07/09/2024	ND	103	103	100	0.638	
EXT DRO >C28-C36	18.6	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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

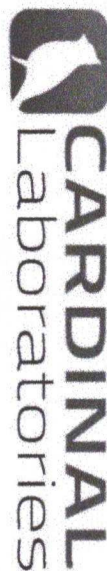


101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST															
Project Manager: Beaux Jennings				P.O. #:																			
Address: 601 N Marlenfeld Street, Suite 400				Company: Oxy USA Inc.																			
City: Midland				Attn: Wade Dittich																			
Phone #: 210-219-8858				Address:																			
Fax #: 210-219-8858				City:																			
Project #: 03B1417172				State:																			
Project Name: Turkey Track 4-10 344 CTB				Zip:																			
Project Location:				Phone #: 575-390-2828																			
Sampler Name: Kevin Shimach				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	8021B	TPH	8015M	Chloride	4500		
4344029	SW 03	0-1	C	1	✓									7-3-14	924	✓		✓					
1	FS 106	1	C	1	✓									11-17	1121	✓		✓					
2	FS 109	1	C	1	✓									11-24	936	✓		✓					
3	FS 111	1	C	1	✓									11-24	938	✓		✓					
4	FS 124	1	C	1	✓									11-24	929	✓		✓					
5	FS 125	1	C	1	✓									11-24	924	✓		✓					
6	FS 126	1	C	1	✓									11-24	924	✓		✓					
7	FS 127	1	C	1	✓									11-24	924	✓		✓					
8	FS 129	1	C	1	✓									11-24	924	✓		✓					
9	FS 129	1	C	1	✓									11-24	924	✓		✓					
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Relinquished By: Kevin Shimach				Date: 5-24-15				Received By: Shodique				Time: 1:55				Date: 5-24-15				Time: 1:55			
Relinquished By: Kevin Shimach				Date: 5-24-15				Received By: Shodique				Time: 1:55				Date: 5-24-15				Time: 1:55			
Delivered By: (Circle One)				Observed Temp. °C				Sample Condition				CHECKED BY: (Initials)				Turnaround Time: Standard Rush				Bacteria (only) Sample Condition			
Sampler - UPS - Bus - Other:				Corrected Temp. °C				Cool Intact Yes Yes No No				Cool Intact Yes Yes No No				Thermometer ID #113 #140				Cool Intact Yes Yes No No			

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

July 23, 2024

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/18/24 13:50.

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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 112 2 (H244311-01)

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	07/19/2024	ND	1.95	97.3	2.00	2.33		
Toluene*	<0.050	0.050	07/19/2024	ND	1.91	95.3	2.00	1.13		
Ethylbenzene*	<0.050	0.050	07/19/2024	ND	2.00	100	2.00	0.996		
Total Xylenes*	<0.150	0.150	07/19/2024	ND	5.90	98.3	6.00	0.866		
Total BTX	<0.300	0.300	07/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	368	16.0	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 113 3 (H244311-02)

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	07/19/2024	ND	1.95	97.3	2.00	2.33	
Toluene*	<0.050	0.050	07/19/2024	ND	1.91	95.3	2.00	1.13	
Ethylbenzene*	<0.050	0.050	07/19/2024	ND	2.00	100	2.00	0.996	
Total Xylenes*	<0.150	0.150	07/19/2024	ND	5.90	98.3	6.00	0.866	
Total BTEX	<0.300	0.300	07/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 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	656	16.0	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 114 2 (H244311-03)

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	07/19/2024	ND	1.95	97.3	2.00	2.33		
Toluene*	<0.050	0.050	07/19/2024	ND	1.91	95.3	2.00	1.13		
Ethylbenzene*	<0.050	0.050	07/19/2024	ND	2.00	100	2.00	0.996		
Total Xylenes*	<0.150	0.150	07/19/2024	ND	5.90	98.3	6.00	0.866		
Total BTEX	<0.300	0.300	07/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	832	16.0	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 115 2 (H244311-04)

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	07/20/2024	ND	2.16	108	2.00	0.523		
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17		
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75		
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18		
Total BTEX	<0.300	0.300	07/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 134 2 (H244311-05)

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	07/20/2024	ND	2.16	108	2.00	0.523	
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18	
Total BTEX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	240	16.0	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 135 2 (H244311-06)

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	07/20/2024	ND	2.16	108	2.00	0.523		
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17		
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75		
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18		
Total BTEX	<0.300	0.300	07/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	368	16.0	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 143 2 (H244311-07)

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	07/20/2024	ND	2.16	108	2.00	0.523	
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18	
Total BTX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 145 2 (H244311-08)

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	07/20/2024	ND	2.16	108	2.00	0.523		
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17		
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75		
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18		
Total BTEX	<0.300	0.300	07/20/2024	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	112	16.0	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 146 2 (H244311-09)

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	07/20/2024	ND	2.16	108	2.00	0.523		
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17		
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75		
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18		
Total BTEX	<0.300	0.300	07/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	96.0	16.0	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 147 2 (H244311-10)

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	07/20/2024	ND	2.16	108	2.00	0.523	
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18	
Total BTEX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 148 2 (H244311-11)

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	07/20/2024	ND	2.16	108	2.00	0.523	
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18	
Total BTEX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	480	16.0	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 149 2 (H244311-12)

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	07/20/2024	ND	2.16	108	2.00	0.523		
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17		
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75		
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18		
Total BTEX	<0.300	0.300	07/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 152 4.5 (H244311-13)

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	07/20/2024	ND	2.16	108	2.00	0.523		
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17		
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75		
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18		
Total BTEX	<0.300	0.300	07/20/2024	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	32.0	16.0	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 153 4.5 (H244311-14)

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	07/20/2024	ND	2.16	108	2.00	0.523		
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17		
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75		
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18		
Total BTEX	<0.300	0.300	07/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	07/22/2024	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	07/19/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 156 4.5 (H244311-15)

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	07/20/2024	ND	2.16	108	2.00	0.523	
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18	
Total BTEX	<0.300	0.300	07/20/2024	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	16.0	16.0	07/22/2024	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	07/20/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 159 4.5 (H244311-16)

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	07/20/2024	ND	2.16	108	2.00	0.523	
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18	
Total BTEX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	07/22/2024	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	07/20/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/18/2024
 Reported: 07/23/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 07/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 108 2 (H244311-17)

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	07/20/2024	ND	2.16	108	2.00	0.523	
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18	
Total BTEX	<0.300	0.300	07/20/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/22/2024	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	07/20/2024	ND	202	101	200	6.64	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	193	96.3	200	9.45	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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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 "C. D. Keene", 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

Company Name: Ensolum, LLC		BILL TO		P.O. #:		ANALYSIS REQUEST	
Project Manager: Beaux Jennings				Company: Oxy USA, Inc.			
Address: 601 N. Marientfield St. STE 400				Attn: Wade Dittrich			
City: Midland	State: TX	Zip: 79701					
Phone #: 210-219-8858	Fax #:						
Project #: 03B1417172	Project Owner:						
Project Name: Turkey Track A-10 34Y CTB	City:	State:	Zip:				
Project Location:	Phone #: 575-390-2828						
Sampler Name: Karen Shimada	Fax #:						

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTX	TPH	Chloride								
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :												ACID/BASE:	ICE / COOL
HQ4311	FJ112	2	✓	1	X							7-17-14	1400	X	X	X							
	FJ113	3		1									1509										
	FJ114	•		1									1405										
	FJ115	•		1									1525										
	FJ134	•		1									935										
	FJ135	•		1									938										
	FJ143	•		1									1017										
	FJ145	•		1									1041										
	FJ146	•		1									1042										
	FJ147	•		1									1023										

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Relinquished By:	Date: 7-18-14	Received By:	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Karen Shimada	Time: 1350	[Signature]	All Results are emailed. Please provide Email address: B.jennings@ensolum.com
Relinquished By:		Date:	REMARKS:

Delivered By: (Circle One)	Observed Temp.: °C	Sample Condition	CHECKED BY:	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) [Signature]	Thermometer ID #113 Rush	<input checked="" type="checkbox"/>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C
				Correction Factor: 0.00	#140		Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.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: Beaux Jennings		P.O. #:			
Address: 601 N. Marientfeld St. STE 400		Company: Oxy USA, Inc.			
City: Midland		Attn: Wade Dittich			
Phone #: 210-219-8858		Address:			
Fax #:		City:			
Project #: 03B147172		State: TX			
Project Owner:		Zip: 79701			
Project Name: Turkey Track 9-ID 344 CTB		State:			
Project Location:		Phone #: 575-390-2828			
Sample Name: Kava Shimada		Fax #:			
FOR LAB USE ONLY		PRESERV		SAMPLING	
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX
					GROUNDWATER
					WASTEWATER
					SOIL
					OIL
					SLUDGE
					OTHER :
					ACID/BASE:
					ICE / COOL
					OTHER :
					DATE
					TIME
11	F3148	2			7-17-24 1541
12	F3149	2			7-17-24 1541
13	F3152	4.5			1042
14	F3153	4.5			1234
15	F3156	4.5			1305
16	F3159	4.5			7-17-24 1306
17	F3163	4.5			7-17-24 1306
	F3108	2			7-17-24 1510

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Relinquished By: Kava Shimada
Date: 7-18-24
Time: 1350
Received By: B. Jennings
Date: 7-18-24
Time: 1350
Received By: B. Jennings

Delivered By: (Circle One) **Observed Temp. °C:** 0.3°C
Sampler - UPS - Bus - Other: **Corrected Temp. °C:** **Sample Condition:** Cool ☒ Intact ☐ Yes ☐ No **Checked By:** (Initials) **Turnaround Time:** Standard ☒ Rush ☐ Bacteria (only) ☐ Sample Condition ☐ Cool ☐ Intact ☐ Yes ☐ No **Thermometer ID #:** #140 **Correction Factor:** -0.5°C **Corrected Temp. °C:**

FORM 008 R 3.2 10/07/21

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



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

August 12, 2024

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/06/24 13:45.

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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 40 2 (H244708-01)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTEX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	08/07/2024	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	08/07/2024	ND	190	94.9	200	2.28	
DRO >C10-C28*	166	10.0	08/07/2024	ND	188	93.8	200	1.90	
EXT DRO >C28-C36	62.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 76 1 (H244708-02)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTEX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	08/07/2024	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	08/07/2024	ND	190	94.9	200	2.28	
DRO >C10-C28*	163	10.0	08/07/2024	ND	188	93.8	200	1.90	
EXT DRO >C28-C36	77.3	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 62.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 77 1 (H244708-03)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTEX	<0.300	0.300	08/07/2024	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	<16.0	16.0	08/07/2024	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	08/07/2024	ND	190	94.9	200	2.28	
DRO >C10-C28*	27.1	10.0	08/07/2024	ND	188	93.8	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 79 1 (H244708-04)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTEX	<0.300	0.300	08/07/2024	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	<16.0	16.0	08/07/2024	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	08/07/2024	ND	190	94.9	200	2.28	
DRO >C10-C28*	155	10.0	08/07/2024	ND	188	93.8	200	1.90	
EXT DRO >C28-C36	71.9	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 68.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 87 1 (H244708-05)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTEX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	08/07/2024	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	08/07/2024	ND	190	94.9	200	2.28	
DRO >C10-C28*	175	10.0	08/07/2024	ND	188	93.8	200	1.90	
EXT DRO >C28-C36	86.5	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 62.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.3 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 93 1 (H244708-06)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTEX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	08/07/2024	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	08/07/2024	ND	190	94.9	200	2.28	
DRO >C10-C28*	17.8	10.0	08/07/2024	ND	188	93.8	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 74.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 95 1 (H244708-07)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTEX	<0.300	0.300	08/07/2024	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	16.0	16.0	08/07/2024	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	08/07/2024	ND	190	94.9	200	2.28	
DRO >C10-C28*	143	10.0	08/07/2024	ND	188	93.8	200	1.90	
EXT DRO >C28-C36	63.3	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 96 1 (H244708-08)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	16.0	16.0	08/07/2024	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	08/07/2024	ND	190	94.9	200	2.28	
DRO >C10-C28*	61.3	10.0	08/07/2024	ND	188	93.8	200	1.90	
EXT DRO >C28-C36	16.9	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 97 1 (H244708-09)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTEX	<0.300	0.300	08/07/2024	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	<16.0	16.0	08/07/2024	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	08/07/2024	ND	190	94.9	200	2.28	
DRO >C10-C28*	127	10.0	08/07/2024	ND	188	93.8	200	1.90	
EXT DRO >C28-C36	50.8	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 54.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 98 1 (H244708-10)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTEX	<0.300	0.300	08/07/2024	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	<16.0	16.0	08/07/2024	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	08/07/2024	ND	190	94.9	200	2.28	
DRO >C10-C28*	169	10.0	08/07/2024	ND	188	93.8	200	1.90	
EXT DRO >C28-C36	78.3	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 66.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 100 1 (H244708-11)

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	08/07/2024	ND	2.00	100	2.00	6.31		
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51		
Total BTEx	<0.300	0.300	08/07/2024	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	<16.0	16.0	08/07/2024	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	08/07/2024	ND	190	94.9	200	2.28	
DRO >C10-C28*	77.7	10.0	08/07/2024	ND	188	93.8	200	1.90	
EXT DRO >C28-C36	24.5	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 65.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 101 1 (H244708-12)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTX	<0.300	0.300	08/07/2024	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	<16.0	16.0	08/07/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	25.9	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 60.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 102 1 (H244708-13)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTEX	<0.300	0.300	08/07/2024	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	64.0	16.0	08/07/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 59.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 110 1 (H244708-14)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTX	<0.300	0.300	08/07/2024	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	48.0	16.0	08/07/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 59.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 113 3.5 (H244708-15)

Chloride, SM4500CI-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	08/08/2024	ND	432	108	400	3.77		

Sample ID: FS 114 2.5 (H244708-16)

Chloride, SM4500CI-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	08/08/2024	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 116 1 (H244708-17)

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	08/07/2024	ND	2.00	100	2.00	6.31		
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 59.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 117 1 (H244708-18)

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	08/07/2024	ND	2.00	100	2.00	6.31		
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51		
Total BTEX	<0.300	0.300	08/07/2024	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	32.0	16.0	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 60.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.2 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 118 1 (H244708-19)

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	08/07/2024	ND	2.00	100	2.00	6.31	
Toluene*	<0.050	0.050	08/07/2024	ND	2.12	106	2.00	6.87	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.21	111	2.00	7.93	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.80	113	6.00	6.51	
Total BTEX	<0.300	0.300	08/07/2024	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	32.0	16.0	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 59.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 120 1 (H244708-20)

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	08/07/2024	ND	1.89	94.6	2.00	4.25		
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	08/08/2024	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	08/08/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 121 1 (H244708-21)

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	08/07/2024	ND	1.89	94.6	2.00	4.25	
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57	
Total BTEX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	32.0	16.0	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	50.5	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 57.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 122 1 (H244708-22)

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	08/07/2024	ND	1.89	94.6	2.00	4.25		
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 60.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 123 1 (H244708-23)

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	08/07/2024	ND	1.89	94.6	2.00	4.25	
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57	
Total BTX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	16.0	16.0	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 62.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 128 1 (H244708-24)

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	08/07/2024	ND	1.89	94.6	2.00	4.25		
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 58.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.4 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 133 1 (H244708-25)

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	08/07/2024	ND	1.89	94.6	2.00	4.25	
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57	
Total BTEX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 55.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 139 1 (H244708-26)

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	08/07/2024	ND	1.89	94.6	2.00	4.25		
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 57.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.0 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 144 2 (H244708-27)

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	08/07/2024	ND	1.89	94.6	2.00	4.25	
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57	
Total BTEX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	16.0	16.0	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	30.5	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 58.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 161 1 (H244708-28)

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	08/07/2024	ND	1.89	94.6	2.00	4.25		
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	16.0	16.0	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 60.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 01 0-1 (H244708-29)

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	08/07/2024	ND	1.89	94.6	2.00	4.25		
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	19.9	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 61.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 02 0-1 (H244708-30)

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	08/07/2024	ND	1.89	94.6	2.00	4.25	
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57	
Total BTEX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	57.3	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	17.7	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 69.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 03 0-1 (H244708-31)

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	08/07/2024	ND	1.89	94.6	2.00	4.25		
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	80.8	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	31.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 58.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 04 0-2 (H244708-32)

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	08/07/2024	ND	1.89	94.6	2.00	4.25	
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57	
Total BTEX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	52.7	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	12.9	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 49.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 51.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 05 0-1 (H244708-33)

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	08/07/2024	ND	1.89	94.6	2.00	4.25	
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57	
Total BTEX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	08/08/2024	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	08/07/2024	ND	188	94.0	200	1.20	
DRO >C10-C28*	75.4	10.0	08/07/2024	ND	179	89.5	200	1.49	
EXT DRO >C28-C36	28.3	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 52.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
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 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 06 0-2 (H244708-34)

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	08/07/2024	ND	1.89	94.6	2.00	4.25	
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57	
Total BTEX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	08/08/2024	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	08/07/2024	ND	202	101	200	0.137	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	193	96.6	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 67.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 07 0-1 (H244708-35)

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	08/07/2024	ND	1.89	94.6	2.00	4.25		
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	32.0	16.0	08/08/2024	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	08/07/2024	ND	202	101	200	0.137	
DRO >C10-C28*	10.7	10.0	08/07/2024	ND	193	96.6	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 74.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 08 0-4.5 (H244708-36)

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	08/07/2024	ND	1.89	94.6	2.00	4.25	
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57	
Total BTEX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	08/08/2024	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	08/07/2024	ND	202	101	200	0.137	
DRO >C10-C28*	176	10.0	08/07/2024	ND	193	96.6	200	1.27	
EXT DRO >C28-C36	121	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 64.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 09 0-1 (H244708-37)

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	08/07/2024	ND	1.89	94.6	2.00	4.25		
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	08/08/2024	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	08/07/2024	ND	202	101	200	0.137	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	193	96.6	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 66.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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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
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/06/2024
 Reported: 08/12/2024
 Project Name: TURKEY TRACK 9-10 34H CTB
 Project Number: 03B1417172
 Project Location: OXY 32.6702553, -104.0901915

Sampling Date: 08/05/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 10 0-1 (H244708-38)

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	08/07/2024	ND	1.89	94.6	2.00	4.25		
Toluene*	<0.050	0.050	08/07/2024	ND	1.87	93.5	2.00	4.07		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.00	100	2.00	3.67		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.89	98.2	6.00	3.57		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	32.0	16.0	08/08/2024	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	08/07/2024	ND	202	101	200	0.137	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	193	96.6	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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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 "C. 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

Page 40 of 43



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

[illegible]



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: Beaux Jennings Samantha Mackenzie Address: 601 N. Marland St. STE 400 City: Midland State: TX Zip: 79701 Phone #: 240-240-8858 703-357-3545 Fax #: Project #: 03B147172 Project Owner: Project Name: Turkey Track 9-10 34H CTB Project Location: Eddy County Sampler Name: Tabitha Guadian/Neah Duke				BILL TO P.O. #: Company: Oxy USA, Inc. Attn: Wade Dittich Address: City: State: Zip: Phone #: 575-390-2828 Fax #:				ANALYSIS REQUEST																															
FOR LAB USE ONLY				MATRIX				PRESERV				SAMPLING																											
Lab I.D.		Sample I.D.		Sample Depth (feet)		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		BTEX		TPH		Chloride		4500	
H844708		21		FS121		1		C1		X																													
22		23		FS122		1		C1																															
23		24		FS123		1		C1																															
24		25		FS126		1		C1																															
25		26		FS133		1		C1																															
26		27		FS139		1		C1																															
27		28		FS144		2		C1																															
28		29		FS141		1		C1																															
29		30		SW01		0-1		C1																															
30				SW02		0-1		C1																															

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Relinquished By: Date: 8/5/24 Time: 1:54		Received By: Date: 8/5/24 Time: 1:54		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Checked By: (Initials)	
REMARKS: All Results are emailed. Please provide Email address: smackenzie@ensolum.com Blending@ensolum.com		Thermometer ID #140 Correction Factor -0.6°C		Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		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
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		BILL TO		P.O. #:		ANALYSIS REQUEST	
Project Manager: <u>Beau Jennings</u> <u>Samantha Mackenzie</u>		Company: Oxy USA, Inc.		Attn: Wade Dittich			
Address: 601 N. Marland St. STE 400		City: Midland		State: TX		Zip: 79701	
Phone #: <u>210-219-8858</u> <u>703-357-3545</u>		Fax #:		Address:			
Project #: <u>03BIV17172</u>		Project Owner:		City:			
Project Name: <u>Turkey Track 9-10 34H CTB</u>		State:		Zip:			
Project Location: <u>Eddy County</u>		Phone #:		575-390-2828			
Sampler Name: <u>Tatiana Guadian / Noah Dyer</u>		Fax #:					

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	BTEX	TPH	Chloride	4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL						
<u>H244708</u>																		
31	SW03	0-1	C	1														
32	SW04	0-2	C	1														
33	SW05	0-1	C	1														
34	SW06	0-2	C	1														
35	SW07	0-1	C	1														
36	SW08	0-4.5	C	1														
37	SW09	0-1	C	1														
38	SW10	0-1	C	1														

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Relinquished By: <u>[Signature]</u>	Date: <u>8/5/12</u>	Received By: <u>[Signature]</u>	Date: <u>8/5/12</u>
Turnaround Time: <u>44h</u>	Standard <input checked="" type="checkbox"/>	Rush <input type="checkbox"/>	Bacteria (only) <input type="checkbox"/>
Thermometer ID # <u>449</u>	Cool Intact <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Correction Factor <u>-0.6°C</u>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Corrected Temp. °C

REMARKS: smackenzie@ensolum.com

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

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

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

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

December 10, 2024

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: TURKEY TRACK 9-10 34H CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/29/24 13:59.

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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Dec-24 15:56

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 40 2'	H245281-01	Soil	29-Aug-24 10:16	29-Aug-24 13:59
FS 76 1'	H245281-02	Soil	29-Aug-24 10:18	29-Aug-24 13:59
FS 79 1'	H245281-03	Soil	29-Aug-24 10:20	29-Aug-24 13:59
FS 87 1'	H245281-04	Soil	29-Aug-24 10:22	29-Aug-24 13:59
FS 95 1'	H245281-05	Soil	29-Aug-24 10:24	29-Aug-24 13:59
FS 97 1'	H245281-06	Soil	29-Aug-24 10:26	29-Aug-24 13:59
FS 98 1'	H245281-07	Soil	29-Aug-24 10:28	29-Aug-24 13:59
FS 100 1'	H245281-08	Soil	29-Aug-24 10:30	29-Aug-24 13:59
SW 03 0-1'	H245281-09	Soil	29-Aug-24 10:32	29-Aug-24 13:59
SW 05 0-1'	H245281-10	Soil	29-Aug-24 10:34	29-Aug-24 13:59
SW 08 0-4.5'	H245281-11	Soil	29-Aug-24 10:36	29-Aug-24 13:59

12/10/24 - Client changed the sample ID on -01 (see COC). This is the revised report and will replace the one sent on 09/04/24.

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Dec-24 15:56

FS 40 2'
H245281-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B
<hr/>								
Surrogate: 1-Chlorooctane		111 %	48.2-134		4082938	MS	29-Aug-24	8015B
Surrogate: 1-Chlorooctadecane		136 %	49.1-148		4082938	MS	29-Aug-24	8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Dec-24 15:56

FS 76 1'
H245281-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctane			103 %	48.2-134		4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			126 %	49.1-148		4082938	MS	29-Aug-24	8015B	

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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
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Dec-24 15:56

FS 79 1'
H245281-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctane			84.4 %	48.2-134		4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			104 %	49.1-148		4082938	MS	29-Aug-24	8015B	

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Analytical Results For:

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

Project: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Dec-24 15:56

FS 87 1'
H245281-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctane			90.0 %	48.2-134		4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			109 %	49.1-148		4082938	MS	29-Aug-24	8015B	

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Analytical Results For:

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

Project: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Dec-24 15:56

FS 95 1'
H245281-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctane			105 %	48.2-134		4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			128 %	49.1-148		4082938	MS	29-Aug-24	8015B	

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Analytical Results For:

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

Project: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Dec-24 15:56

FS 97 1'
H245281-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctane			112 %	48.2-134		4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			137 %	49.1-148		4082938	MS	29-Aug-24	8015B	

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Analytical Results For:

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

Project: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Dec-24 15:56

FS 98 1'
H245281-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctane			107 %	48.2-134		4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			133 %	49.1-148		4082938	MS	29-Aug-24	8015B	

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Analytical Results For:

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

Project: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Dec-24 15:56

FS 100 1'
H245281-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctane			117 %	48.2-134		4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			141 %	49.1-148		4082938	MS	29-Aug-24	8015B	

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Analytical Results For:

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

Project: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Dec-24 15:56

SW 03 0-1'
H245281-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctane			106 %	48.2-134		4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			126 %	49.1-148		4082938	MS	29-Aug-24	8015B	

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Analytical Results For:

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

Project: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Dec-24 15:56

SW 05 0-1'
H245281-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctane			114 %	48.2-134		4082938	MS	29-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			137 %	49.1-148		4082938	MS	29-Aug-24	8015B	

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Analytical Results For:

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

Project: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Dec-24 15:56

SW 08 0-4.5'
H245281-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082938	MS	30-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082938	MS	30-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082938	MS	30-Aug-24	8015B	
Surrogate: 1-Chlorooctane			77.9 %	48.2-134		4082938	MS	30-Aug-24	8015B	
Surrogate: 1-Chlorooctadecane			92.0 %	49.1-148		4082938	MS	30-Aug-24	8015B	

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Analytical Results For:

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

Project: TURKEY TRACK 9-10 34H CTB
Project Number: 03B1417172
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Dec-24 15:56

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4082938 - General Prep - Organics**Blank (4082938-BLK1)**

Prepared & Analyzed: 29-Aug-24

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	52.8		mg/kg	50.0		106	48.2-134		
Surrogate: 1-Chlorooctadecane	65.8		mg/kg	50.0		132	49.1-148		

LCS (4082938-BS1)

Prepared & Analyzed: 29-Aug-24

GRO C6-C10	225	10.0	mg/kg	200		112	66.4-123		
DRO >C10-C28	230	10.0	mg/kg	200		115	66.5-118		
Total TPH C6-C28	454	10.0	mg/kg	400		114	77.6-123		
Surrogate: 1-Chlorooctane	56.4		mg/kg	50.0		113	48.2-134		
Surrogate: 1-Chlorooctadecane	67.3		mg/kg	50.0		135	49.1-148		

LCS Dup (4082938-BS1)

Prepared & Analyzed: 29-Aug-24

GRO C6-C10	220	10.0	mg/kg	200		110	66.4-123	2.10	17.7
DRO >C10-C28	216	10.0	mg/kg	200		108	66.5-118	6.05	21
Total TPH C6-C28	436	10.0	mg/kg	400		109	77.6-123	4.08	18.5
Surrogate: 1-Chlorooctane	52.2		mg/kg	50.0		104	48.2-134		
Surrogate: 1-Chlorooctadecane	62.3		mg/kg	50.0		125	49.1-148		

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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".

Celey D. Keene, Lab Director/Quality Manager



112

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



212

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



APPENDIX E

Referenced Well Records

Eddy County, New Mexico
Latitude 32°40'26", Longitude 104°06'43" NAD27
Land-surface elevation 3,375 feet above NAVD88
The depth of the well is 199 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Artesia Group (313ARTS) local aquifer.

Table of data

Tab-separated data

Graph of data

Reselect period

Date	Time	<div>Water-level date-time accuracy</div>	<div>Parameter code</div>	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	<div>Status</div>
1984-04-26		D	62610		3224.08	NGVD29	
1984-04-26		D	62611		3225.60	NAVD88	
1984-04-26		D	72019	149.40			
1994-03-04		D	62610		3224.23	NGVD29	
1994-03-04		D	62611		3225.75	NAVD88	
1994-03-04		D	72019	149.25			
1999-02-19		D	62610		3222.35	NGVD29	
1999-02-19		D	62611		3223.87	NAVD88	
1999-02-19		D	72019	151.13			
2004-03-02		D	62610		3224.29	NGVD29	
2004-03-02		D	62611		3225.81	NAVD88	
2004-03-02		D	72019	149.19			

Eddy County, New Mexico
Latitude 32°40'19", Longitude 104°03'32" NAD27
Land-surface elevation 3,371 feet above NAVD88
The depth of the well is 153 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output for

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	<div>Water-level date-time accuracy</div>	<div>Parameter code</div>	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	<div>Status</div>	<div>Method of measurement</div>
1965-12-09		D	62610		3221.90	NGVD29	1	
1965-12-09		D	62611		3223.41	NAVD88	1	
1965-12-09		D	72019	147.59			1	
1968-04-03		D	62610		3223.50	NGVD29	1	
1968-04-03		D	62611		3225.01	NAVD88	1	
1968-04-03		D	72019	145.99			1	
1971-02-01		D	62610		3223.65	NGVD29	1	
1971-02-01		D	62611		3225.16	NAVD88	1	
1971-02-01		D	72019	145.84			1	



APPENDIX F

NMOCD Notifications

From: [Hamlet, Robert, EMNRD](#)
To: [Hadlie Green](#)
Cc: [Pierce, Tyson \(The Bergaila Company\)](#); [Dittrich, John W](#); [Beaux Jennings](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#); [Velez, Nelson, EMNRD](#)
Subject: Oxy - Confirmation Sampling Variance Request - Turkey Track 9-10 34H CTB (Incident Number nAPP2233950650)
Date: Wednesday, May 22, 2024 4:10:02 PM
Attachments: [image005.jpg](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

You don't often get email from robert.hamlet@emnrd.nm.gov. [Learn why this is important](#)

[**EXTERNAL EMAIL**]

Hadlie,

This release is in high karst. Generally, we don't give a variance for larger confirmation 5-point sample size if the release is located in a sensitive locale. With a release area of 73,500 ft², I think we can make an exception in this case. A variance is approved for 400 ft² confirmation floor sample size. Sidewall samples will still need to be completed every 200 ft². Please include this e-mail correspondence in the remediation and/or closure report.

Regards,

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Hadlie Green <hgreen@ensolum.com>
Sent: Wednesday, May 22, 2024 1:12 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Pierce, Tyson (The Bergaila Company) <Tyson_Pierce@oxy.com>; Dittrich, John W <Wade_Dittrich@oxy.com>; Beaux Jennings <bjennings@ensolum.com>
Subject: [EXTERNAL] Oxy - Confirmation Sampling Variance Request - Turkey Track 9-10 34H CTB (Incident Number nAPP2233950650)

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

Good afternoon Mr. Hamlet,

Ensolum, LLC (Ensolum) on behalf of Oxy USA Inc. (Oxy), requests a confirmation sampling variance request for the Turkey Track 9-10 34H CTB (Incident Number nAPP2233950650). Due to the estimated size of the excavation and depth to groundwater estimated to be greater than 100 feet below ground surface (bgs), Oxy requests a variance for the frequency of excavation confirmation samples. Oxy proposes to collect five-point composite samples at a sampling frequency of every 400 square feet from the floor of the excavation. Sidewall soil samples will be collected at a frequency of every 200 square feet. The proposed sampling frequency is estimated to reduce the total number of floor samples for the estimated 73,500 square foot excavation from 368 samples to approximately 184 floor samples. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The excavation samples will be submitted for laboratory analysis of BTEX, TPH, and chloride.

Please let me know if you have any questions or require any additional information.

Thank you for your time and consideration,



Hadlie Green

Project Geologist

432-557-8895

hgreen@ensolum.com

Ensolum, LLC



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 419046

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 419046
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2233950650
Incident Name	NAPP2233950650 TURKEY TRACK 9-10 34H @ 30-015-44195
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-44195] TURKEY TRACK 9 10 STATE #034H

Location of Release Source

Please answer all the questions in this group.

Site Name	TURKEY TRACK 9-10 34H
Date Release Discovered	12/01/2022
Surface Owner	State

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	Cause: Equipment Failure Dump Valve Crude Oil Released: 22 BBL Recovered: 18 BBL Lost: 4 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Dump Valve Produced Water Released: 470 BBL Recovered: 410 BBL Lost: 60 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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Action 419046

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/09/2025
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Action 419046

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:
	16696
	Action Number:
	419046
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

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	U.S. Geological Survey
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 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 500 and 1000 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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)	21600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	8660
GRO+DRO (EPA SW-846 Method 8015M)	6530
BTEX (EPA SW-846 Method 8021B or 8260B)	0.4
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	04/18/2024
On what date will (or did) the final sampling or liner inspection occur	08/29/2024
On what date will (or was) the remediation complete(d)	12/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	70487
What is the estimated volume (in cubic yards) that will be reclaimed	3485
What is the estimated surface area (in square feet) that will be remediated	70487
What is the estimated volume (in cubic yards) that will be remediated	3485
<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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Action 419046

QUESTIONS (continued)

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	Action Number: 419046
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	LEA LAND LANDFILL [fEEM0112342028]
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: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/09/2025
<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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Action 419046

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 419046
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 419046

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 419046
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	377352
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/29/2024
What was the (estimated) number of samples that were to be gathered	15
What was the sampling surface area in square feet	73500

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	70487
What was the total volume (cubic yards) remediated	3485
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	70487
What was the total volume (in cubic yards) reclaimed	3485
Summarize any additional remediation activities not included by answers (above)	NA
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/09/2025

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Action 419046

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 419046

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
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CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	1/14/2025