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February 21, 2025

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Site Characterization and Remediation Deferral Request
Devon Energy Production Company
Jayhawk 6 CTB 2
Unit C, Section 6, Township 26S, Range 34E
Site Coordinates: 32.07629704, -103.51193
Lea County, New Mexico
Incident ID: nAPP2425352259

Introduction

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Remediation Deferral for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, remedial action activities, and sample analysis results for release number: nAPP2415524417 – Jayhawk 6 CTB 2 (Site). The Site is in Unit Letter C, Section 6, of Township 26 South and Range 34 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.07629704° N latitude and -103.51193° W longitude. The site location with respect to the nearest town is shown on Figure 1 and the topography of the area is shown on Figure 2.

Background

Based on the Release Notification C-141 Form, the release was discovered on September 9, 2024, where Devon discovered a pinhole leak on the inlet line on a separator. Upon discovery, the Site was shut-in and repairs ensued. The spill resulted in a release of approximately eight (8) barrels (bbls) of crude oil of which two (2) were recovered for an approximate net loss of six (6) bbls of crude oil. The release area is shown on Figure 3.

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Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there are two water wells (C-3441-POD1 & C-3442-POD1) within a ½-mile radius of the Site reportedly drilled to a depth of two hundred and fifty (250) feet (ft) below ground surface (bgs) where the water bearing strata was encountered between one hundred and twenty-eight (128) to one hundred and eighty-nine (189) ft bgs. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst Potential Map, the Site is located within a Low Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are attached to the report.

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from the New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
Low Karst	≥100

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12 & 19.15.29.13)

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	Benzene
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
19.15.23.13 Restoration, Reclamation, and Re-Vegetation	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Initial Soil Delineation Assessment Summary and Findings

On September 10, 2024, NTGE conducted site assessment activities to assess the extent of impacts at the Site. Six (6) vertical sample points (V-1 through V-6) were installed within the release area, while nine (9) horizontal sample points (H-1 through H-9) were installed adjacent to the release area in order to characterize the impacts. Soil samples were collected at half-foot (0.5) to one (1) ft intervals from depths ranging from zero (0) to one and a half (1.5) ft bgs with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil samples to prevent cross-contamination.

Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) (EPA Method 8021B),

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total petroleum hydrocarbons (TPH) (EPA method 8015 modified), and chloride (Method SM4500Cl-B). The analytical results indicated that BTEX, TPH, and/or chloride concentrations exceeded the NMOCD regulatory limits in the areas of V-1 through V-6 at various depths ranging from zero (0) to one and a half (1.5) ft bgs. Analytical results also identified that horizontal delineation samples H-6 through H-8 exhibited presence of spill impacts due to elevated concentrations of chloride at depths ranging from 0 to 0.5 ft bgs.

On September 30, 2024, NTGE returned to the Site continue with the vertical and horizontal delineation assessment of the release. A total of four (4) test pits (TP-1 through TP-4) were installed within and adjacent to the release area and were collected at one (1) ft intervals at depths ranging from one (1) to three (3) ft bgs utilizing mechanical equipment. In addition, three (3) horizontal samples (H-6A, H-7A, and H-8A) were collected at a half foot interval and were delivered to Cardinal Laboratories in Hobbs, New Mexico for the analysis of BTEX, TPH, and chlorides. Analytical results indicated that TPH and/or chloride concentrations exceeded NMOCD regulatory limits in the areas of TP-1 through TP-4 at various depths ranging from one (1) to three (3) feet. All horizontal delineation samples were below NMOCD regulatory limits

On October 30, 2024, NTGE returned to the Site to complete the vertical delineation assessment of the release. TP-2 was re-installed within the release area and was collected at one (1) ft intervals at depths ranging from four (4) to five (5) ft bgs utilizing mechanical equipment. Soil samples were delivered to Cardinal Laboratories in Hobbs, New Mexico for the analysis of BTEX, TPH, and chloride. Analytical results indicated that TP-2 was below NMOCD regulatory limits at five (5) ft bgs.

Analytical results are included in Table 1, while soil boring locations are shown on Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached to the report.

Remedial Action Activities and Confirmation Sampling

After receiving and evaluating the soil boring and test pits data NTGE proposed to excavate the areas of TP-1 to a depth of two (2) ft bgs, the area of TP-2 to a depth of five (5) ft bgs, the areas of TP-3 and TP-4 to a depth of three (3) ft bgs, and perform a six (6) inch surface scrape in the impacted area surrounding the horizontal separators and process flow lines to ensure that the impacted soil would be removed from the Site.

On January 27, 2025, NTGE was onsite to collect a total of twenty-four (24) base composite samples (CS-1 to CS-24) and eleven (11) composite sidewall samples (SW-1 to SW-11) to ensure impacted soil was removed. Analytical results indicated that twenty (20) composite confirmation samples (CS-4 to CS-6, and CS-8 to CS-24) and six (6) sidewall samples (SW-3, SW-5, SW-6, and SW-8 to SW-10) exhibited TPH and/or chloride concentrations above NMOCD regulatory criteria for the site.

After further remedial efforts on February 6, 2025, NTGE was onsite to collect at total of five (5) base composite confirmation samples (CS-4 to CS-6, CS-8, and CS-25) and seven (7) composite sidewall samples (SW-3A, SW-5A, SW-8A, and SW-12 to SW-15) to ensure impacted soil was removed. Analytical results indicated that all samples were below NMOCD regulatory criteria for the site.

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Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal in Hobbs, New Mexico. Confirmation samples collected represent an area no greater than 200 square feet and were analyzed for BTEX (EPA Method 8021B), TPH (EPA Method 8015M), and chloride (Method 4500-Cl-B). Laboratory reports containing analytical methods and chain-of-custody documents are attached. The final excavation extent and confirmation sample locations are shown on Figure 4.

Deferral Sampling

On February 6, 2025, NTGE was onsite to install a total of three (3) vertical deferral sample points (DV-1 to DV-3) in order to characterize the extent of impacts being left in place within the area of the separators. Soil samples were collected at half-foot (0.5) ft intervals from depths ranging from zero (0) to four and a half (4.5) ft bgs with a geotechnical hand auger. Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal in Hobbs, New Mexico. Soil samples were analyzed for BTEX (EPA Method 8021B), TPH (EPA Method 8015M), and chloride (Method 4500-Cl-B). Analytical results indicated that deferral samples DV-1 to DV-3 exhibited chloride and/or TPH concentrations above NMOCD regulatory criteria at the Site at depths ranging from surface (0) to three and a half (3.5) ft bgs. All other samples were below NMOCD regulatory criteria for the site.

Laboratory reports containing analytical methods and chain-of-custody documents are attached. Deferral sampling locations are shown on Figure 5

Deferral Request

Due to the presence of production equipment (i.e., separators and associated pipelines) in the vicinity of areas V-2 through V-5, excavation of soils is not feasible as the result of associated safety concerns in encroaching the infrastructure. NTGE proposes to address the remaining soil impacts at the time of facility decommissioning or in the event infrastructure modifications are made in the area that would alleviate safety concerns, whichever is sooner. The infrastructure in and around the excavation is shown on Figure 4 and Figure 5.

If you have any questions regarding this letter, please contact us at (432)-701-2159.

Sincerely,
NTG Environmental



Ethan Sessums
Project Manager

Attachments:

- Tables
- Figures
- Site Characterization Documentation
- Photographic Log
- Laboratory Reports and Chain-of-Custody Documents

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TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
Jayhawk 6 CTB 2
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
Vertical Delineation Samples													
V-1	9/10/2024	0-6"	<0.100	1.49	1.08	19.6	22.1	1,120	7,600	8,720	1,210	9,930	6,080
	9/10/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.5	20.5	<10.0	20.5	4,560
V-2	9/10/2024	0-6"	<0.200	5.03	5.62	69.2	79.8	5,480	30,900	36,380	4,570	40,950	112
	9/10/2024	1-1.5'	1.12	21.2	10.7	131	164	7,960	28,700	36,660	4,160	40,820	48.0
V-3	9/10/2024	0-6"	<0.050	0.141	0.090	1.42	1.65	102	5,360	5,462	859	6,321	4,000
	9/10/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
V-4	9/10/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,040
	9/10/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,000
V-5	9/10/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.7	11.7	<10.0	11.7	7,730
	9/10/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,040
V-6	9/10/2024	0-6"	7.52	60.6	16.7	176	261	8,530	12,600	21,130	1,660	22,790	32.0
	9/10/2024	1-1.5'	<0.050	0.230	0.116	1.72	2.07	67.8	362	429.8	46.6	476.4	16.0
TP-1	9/30/2024	1'	<0.050	0.210	0.293	4.65	5.15	163	2,170	2,333	432	2,765	1,840
	9/30/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	63.4	63.4	28.2	91.6	256
	9/30/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.5	15.5	<10.0	15.5	416
TP-2	9/30/2024	1'	<0.050	0.624	0.702	10.4	11.7	411	4,500	4,911	973	5,884	32.0
	9/30/2024	2'	<0.050	<0.050	<0.050	0.300	0.300	31.9	372	403.9	117	520.9	32.0
	9/30/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	19.4	241	260.4	45.0	305.4	16.0
	10/30/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	98.2	98.2	18.3	116.5	32.0
	10/30/2024	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
TP-3	9/30/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,000
	9/30/2024	2'	<0.050	0.156	0.176	2.59	2.92	201	2,470	2,671	553	3,224	3,400
	9/30/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	54.4	54.4	31.3	85.7	512
TP-4	9/30/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880
	9/30/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,080
	9/30/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
Horizontal Delineation Samples													
H-1	9/10/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
H-2	9/10/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	35.9	35.9	<10.0	35.9	48.0

Table 1
Summary of Soil Analytical Data - Delineation Samples
Jayhawk 6 CTB 2
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg			
H-3	9/10/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
H-4	9/10/2024	0-6"	<0.051	0.099	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
H-5	9/10/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
H-6	9/10/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,640
H-6A	9/30/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
H-7	9/10/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,860
H-7A	9/30/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
H-8	9/10/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,400
H-8A	9/30/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
H-9	9/10/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
H-10	9/10/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0

Notes:

- Values reported in mg/kg
- < = Value Less Than Reporting Limit
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 846
- TPH analyses by EPA Method SW 8015 Mod.
- GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
-
- Not Analyzed

SP-1 Sample Point Excavated

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Jayhawk 6 CTB 2
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
Base Confirmation Samples													
CS-1	1/27/2025	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.8	15.8	<10.0	15.8	64.0
CS-2	1/27/2025	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	38.5	38.5	<10.0	38.5	400
CS-3	1/27/2025	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	46.2	46.2	<10.0	46.2	144
CS-4	1/27/2025	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	866	866	139	1,005	1,220
	2/6/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-5	1/27/2025	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	117	117	14.5	131.5	8,800
	2/6/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-6	1/27/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	185	185	17.0	202.0	1,460
	2/6/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-7	1/27/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	31.4	31.4	<10.0	31.4	432
CS-8	1/27/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,520
	2/6/2025	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-9	1/27/2025	6"	<0.050	<0.050	0.055	0.797	0.852	80.4	8,390	8,470	1,190	9,660	9,800
CS-10	1/27/2025	6"	<0.050	0.901	0.881	15.0	16.8	1,016	36,800	37,816	6,450	44,266	2,400
CS-11	1/27/2025	6"	<0.050	<0.050	<0.050	0.335	0.335	154	16,000	16,154	2,660	18,814	272
CS-12	1/27/2025	6"	<0.050	0.063	0.213	3.55	3.82	361	21,500	21,861	3,670	25,531	8,160
CS-13	1/27/2025	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2,470	2,470	514	2,984	5,320
CS-14	1/27/2025	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,360	1,360	288	1,648	4,160
CS-15	1/27/2025	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	286	286	63.7	349.7	976
CS-16	1/27/2025	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	625	625	158	783	512
CS-17	1/27/2025	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	87.5	87.5	16.2	103.7	18,000
CS-18	1/27/2025	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	81.2	81.2	14.2	95.4	21,400
CS-19	1/27/2025	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	623	623	156	779	20,800
CS-20	1/27/2025	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	101	101	21.3	122.3	18,000
CS-21	1/27/2025	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.7	21.7	<10.0	21.7	32,800
CS-22	1/27/2025	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	66.2	66.2	10.2	76.4	41,600
CS-23	1/27/2025	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	36,400
CS-24	1/27/2025	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	211	211	52.9	263.9	52,400
CS-25	2/6/2025	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall Confirmation Samples													
SW-1	1/27/2025	0-5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.4	47.4	<10.0	47.4	64.0
SW-2	1/27/2025	0-5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-3	1/27/2025	0-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	132	132	12.9	144.9	384
SW-3A	2/6/2025	0-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-4	1/27/2025	0-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-5	1/27/2025	2-3	<0.050	<0.050	<0.050	<0.150	<0.300	29.7	1,840	1,869.7	314	2,183.7	2,160
SW-5A	2/6/2025	0-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-6	1/27/2025	0.5-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	283	283	44.4	327.4	2,960
SW-7	1/27/2025	0-3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
SW-8	1/27/2025	0-3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,160
SW-8A	2/6/2025	0-3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-9	1/27/2025	0.5-3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.7	13.7	<10.0	13.7	9,200

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Jayhawk 6 CTB 2
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
SW-10	1/27/2025	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,920
SW-11	1/27/2025	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	66.6	66.6	<10.0	66.6	80.0
SW-12	2/6/2025	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-13	2/6/2025	2-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-14	2/6/2025	0-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-15	2/6/2025	3-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Deferral Sampling													
DV-1	2/6/2025	0-6"	<1.00	1.40	1.91	38.3	41.6	2,160	20,900	23,060	2,960	26,020	48.0
	2/6/2025	1-1.5	<0.050	0.238	0.317	5.94	6.50	514	4,970	5,484	761	6,245	48.0
	2/6/2025	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	816
	2/6/2025	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
	2/6/2025	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
DV-2	2/6/2025	0-6"	<1.00	1.39	2.02	36.2	39.6	2,580	24,900	27,480	3,540	31,020	128
	2/6/2025	1-1.5	<0.050	0.309	0.447	8.14	8.90	317	3,620	3,937	601	4,538	48.0
	2/6/2025	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,490
	2/6/2025	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
	2/6/2025	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
DV-3	2/6/2025	0-6"	<2.00	2.23	2.96	57.9	63.1	2,920	25,600	28,520	3,590	32,110	144
	2/6/2025	1-1.5	<0.050	0.428	0.918	10.3	11.7	402	4,350	4,752	673	5,425	64.0
	2/6/2025	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,880
	2/6/2025	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
	2/6/2025	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

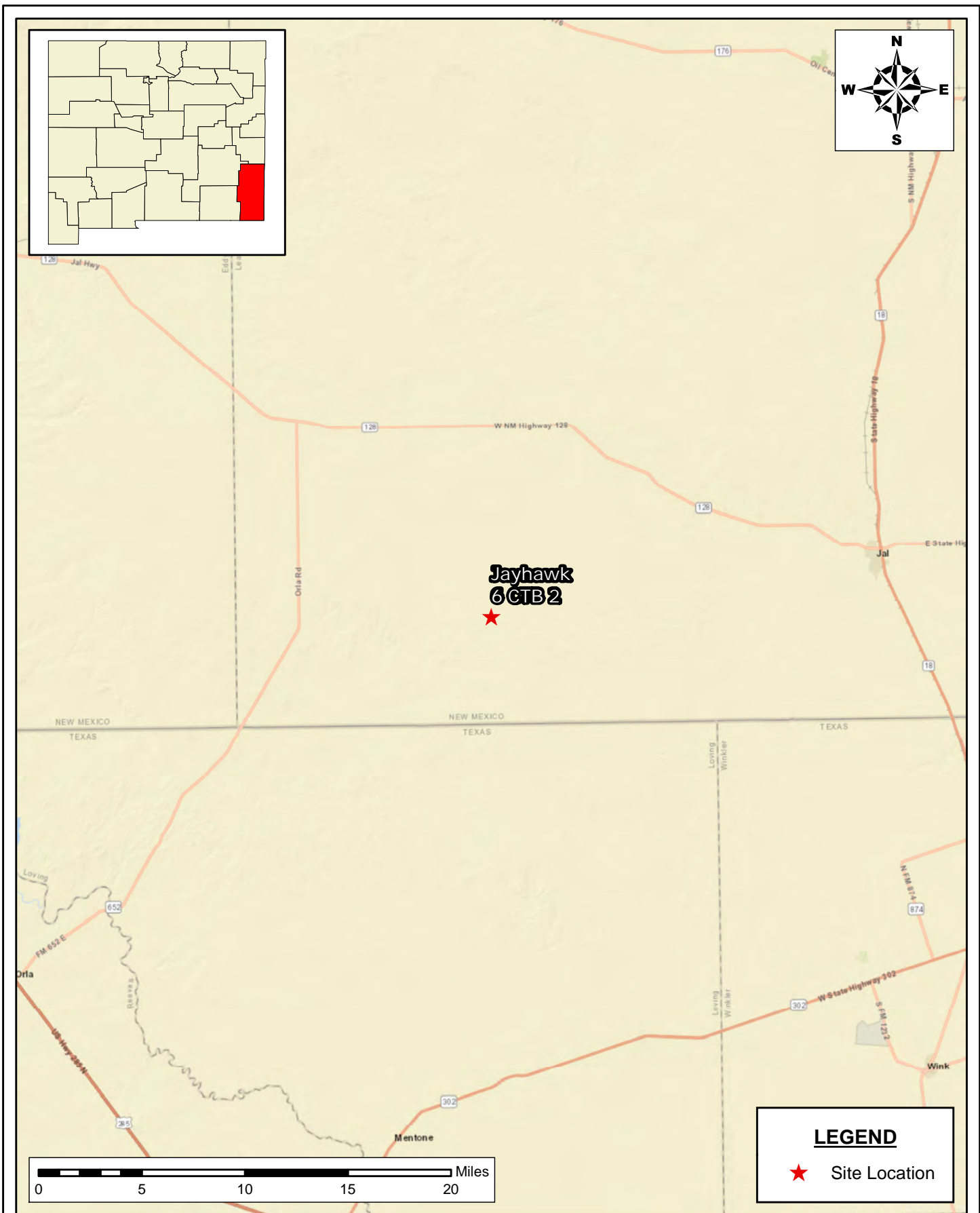
Notes:

- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B
- TPH analyses by EPA Method SW 8015 Mod.
- GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
- Not Analyzed

SP-1 Sample Point Excavated

FIGURES

Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVONRSC\248769 - Jayhawk 6 CTB 2\7 - Figures\GIS\Figure_1_SL.mxd



SITE LOCATION MAP
SITE ASSESSMENT AND REMEDIATION
DEFERRAL REQUEST
DEVON ENERGY PRODUCTION CORPORATION
JAYHAWK 6 CTB 2
LEA COUNTY, NEW MEXICO

SCALE: As Shown Date: 6/3/2024 PROJECT #:248769

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenviroinmental.com



NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

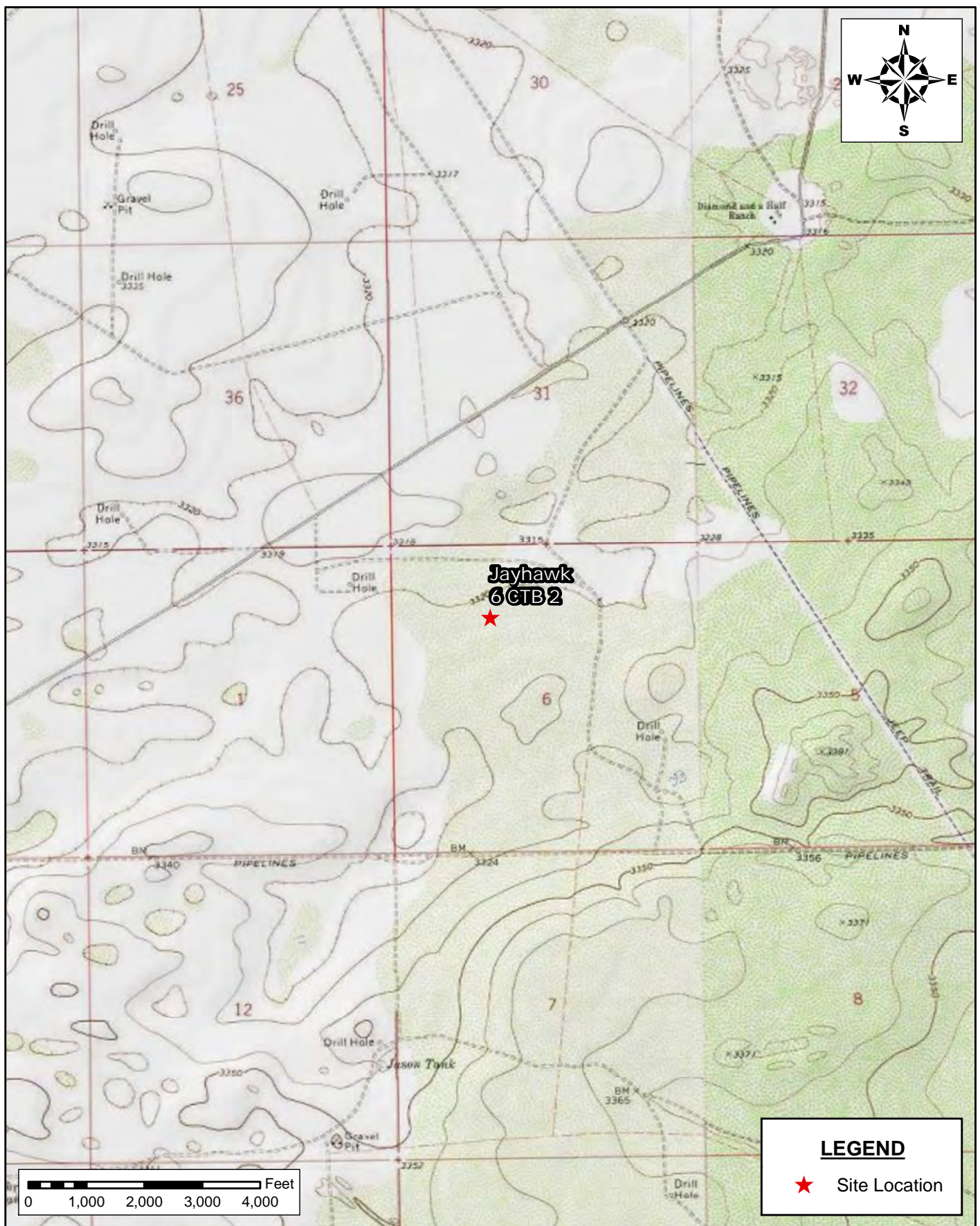
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FIGURE 1

SHEET NUMBER:

1 of 1

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**TOPOGRAPHIC MAP
SITE ASSESSMENT AND REMEDIATION
DEFERRAL REQUEST
DEVON ENERGY PRODUCTION CORPORATION
JAYHAWK 6 CTB 2
LEA COUNTY, NEW MEXICO**

SCALE: As Shown Date: 6/3/2024 PROJECT #:248769



New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenvironmental.com

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

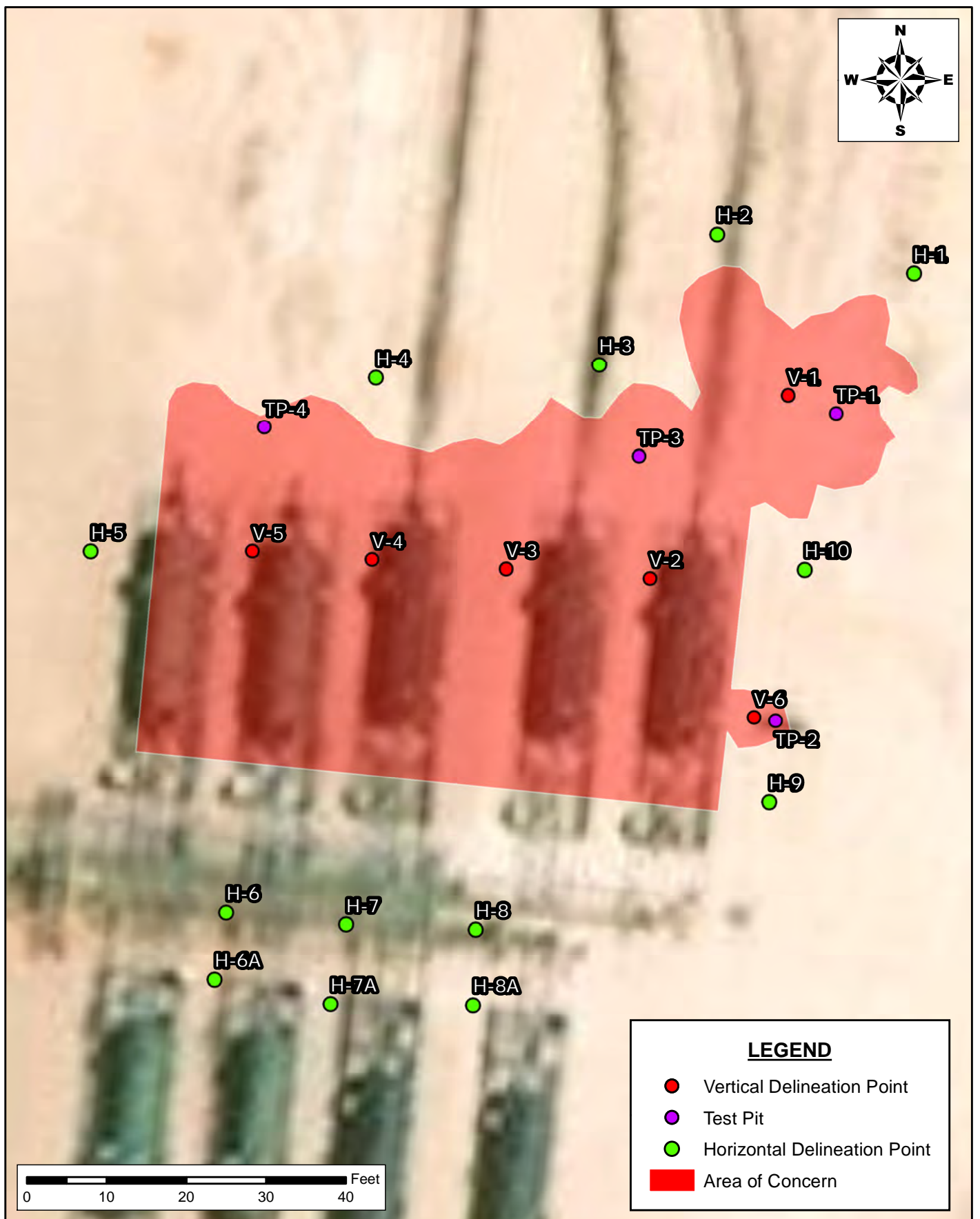
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FIGURE 2

SHEET NUMBER:

1 of 1

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**INITIAL ASSESSMENT MAP
SITE CHARACTERIZATION AND REMEDIATION
DEFERRAL REQUEST
DEVON ENERGY PRODUCTION CORPORATION
JAYHAWK 6 CTB 2
LEA COUNTY, NEW MEXICO**

SCALE: AS SHOWN DATE: 11/06/2024 PROJECT #: 248769



New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenviroinmental.com

NOTES:

1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

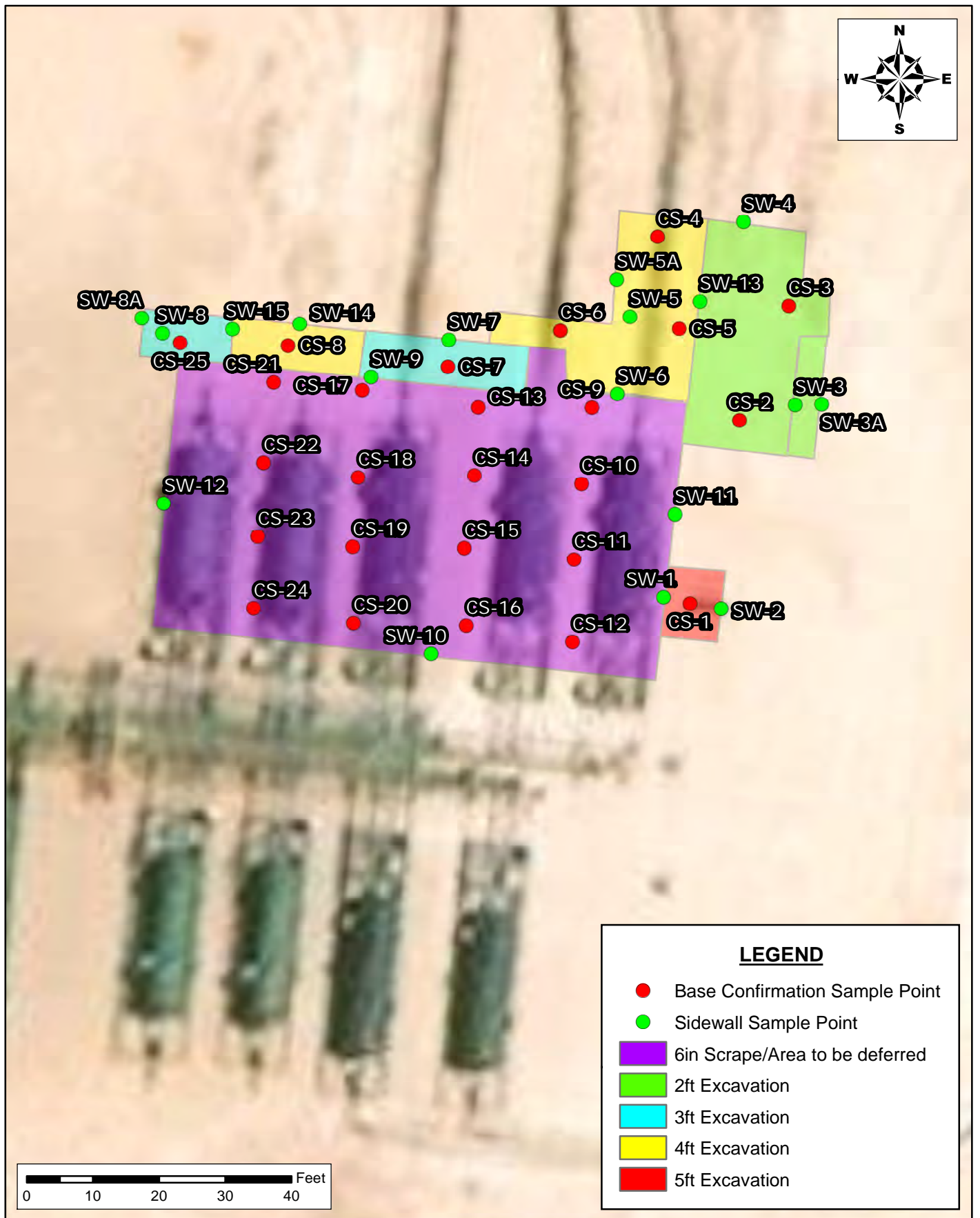
DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1

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**LEGEND**

- Clean Sidwall Sample Points
- Horizontal Delineation Samples (9/30/2024)
- Deferral Sampling Point
- Base Samples Over Limit
- Sidewall Samples Over Limit
- 6in Scrape/Area to be deferred
- 2ft Excavation
- 3ft Excavation
- 4ft Excavation
- 5ft Excavation

DEFERRAL SAMPLING MAP
SITE CHARACTERIZATION AND REMEDIATION
DEFERRAL REQUEST
 DEVON ENERGY PRODUCTION COMPANY
 JAYHAWK 6 CTB 2
 LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN

DATE: 02/21/2025

PROJECT #: 248769



New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
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 Web: www.ntgenviroinmental.com

NOTES:

1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:

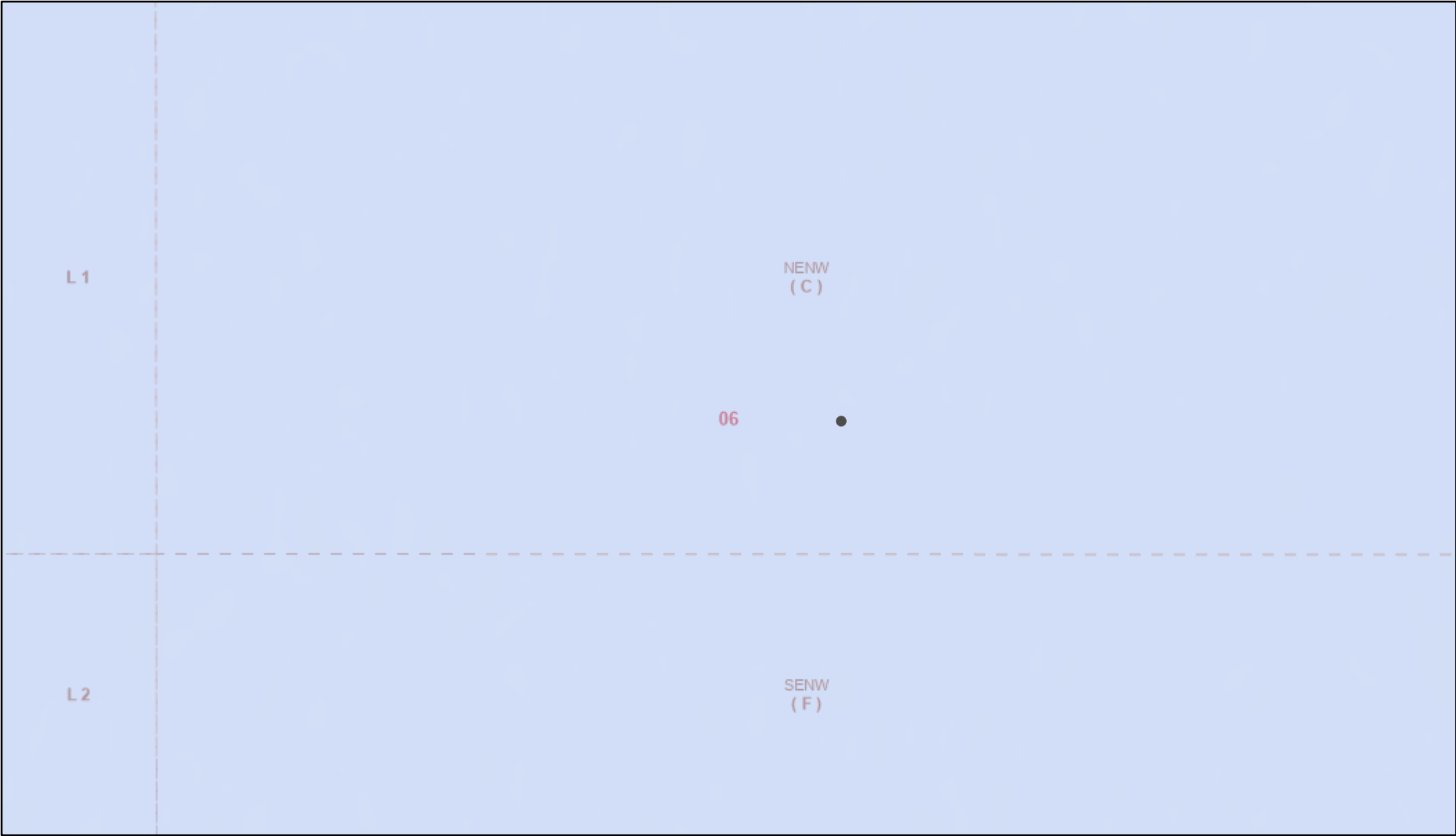
FIGURE 5

SHEET NUMBER:

1 of 1

SITE CHARACTERIZATION INFORMATION

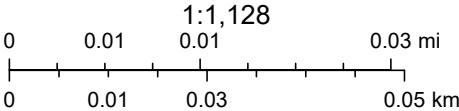
Karst Potential Map



6/3/2024, 9:51:55 AM

Karst Occurrence Potential

	Low		PLSS Second Division
			PLSS First Division



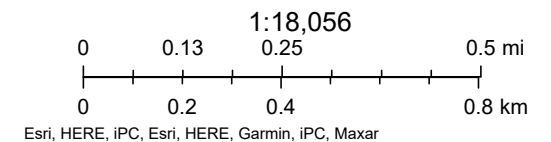
BLM, OCD, New Mexico Tech, Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Oil Conservation Division of the New Mexico Energy,

OSE POD Location Map



6/3/2024, 9:23:08 AM

- | | | |
|--------------|-----------------------|------------------------------|
| Override 1 | OSE District Boundary | New Mexico State Trust Lands |
| Active | Both Estates | |
| Closure Area | | |
- GIS WATERS PODs Water Right Regulations





New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03441 POD1	4	1	2	06	26S	34E	640971	3550039

Driller License: 1044 **Driller Company:** EADES WELL DRILLING & PUMP SERVICE
Driller Name: EADES, ALAN

Drill Start Date: 05/03/2010 **Drill Finish Date:** 05/03/2010 **Plug Date:**
Log File Date: 05/17/2010 **PCW Rcv Date:** **Source:** Shallow
Pump Type: SUBMER **Pipe Discharge Size:** **Estimated Yield:**
Casing Size: 6.17 **Depth Well:** 250 feet **Depth Water:**

Water Bearing Stratifications:

Top	Bottom	Description
0	1	Other/Unknown
1	25	Shale/Mudstone/Siltstone
25	37	Sandstone/Gravel/Conglomerate
37	85	Shale/Mudstone/Siltstone
85	108	Sandstone/Gravel/Conglomerate
108	128	Sandstone/Gravel/Conglomerate
128	189	Shale/Mudstone/Siltstone
189	249	Sandstone/Gravel/Conglomerate
249	250	Shale/Mudstone/Siltstone

Casing Perforations:

Top	Bottom
190	250

The data is furnished by the NMOS/ISC and is accepted by the recipient with the expressed understanding that the OS/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/3/24 8:41 AM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

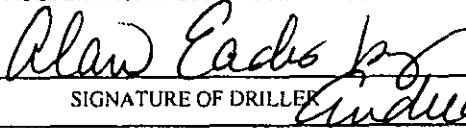
www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
200 MAY 17 4 11:12 PM

1. GENERAL AND WELL LOCATION	POD NUMBER (WELL NUMBER) C-3441-POD1				OSE FILE NUMBER(S) C 03441				
	WELL OWNER NAME(S) Dinwiddie Cattle Company				PHONE (OPTIONAL)				
	WELL OWNER MAILING ADDRESS PO Box 963				CITY Capitan		STATE NM		
					ZIP 88316				
	WELL LOCATION (FROM GPS)	DEGREES		MINUTES	SECONDS				
		LATITUDE		N32	04	40.224	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE		W103	30	22.867	* DATUM REQUIRED: WGS 84 (OSE GPS)		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS									
2. OPTIONAL	(2.5 ACRE) NW 1/4	(10 ACRE) SE 1/4	(40 ACRE) NW 1/4	(160 ACRE) NE 1/4	SECTION 6	TOWNSHIP 26	<input type="checkbox"/> NORTH <input checked="" type="checkbox"/> SOUTH		
							RANGE 34		
							<input checked="" type="checkbox"/> EAST <input type="checkbox"/> WEST		
	SUBDIVISION NAME				LOT NUMBER	BLOCK NUMBER	UNIT/TRACT		
HYDROGRAPHIC SURVEY						MAP NUMBER		TRACT NUMBER	
3. DRILLING INFORMATION	LICENSE NUMBER WD1044		NAME OF LICENSED DRILLER Alan Eades			NAME OF WELL DRILLING COMPANY Eades Drilling & Pump Service			
	DRILLING STARTED 05-03-10		DRILLING ENDED 05-03-10		DEPTH OF COMPLETED WELL (FT) 250	BORE HOLE DEPTH (FT) 250	DEPTH WATER FIRST ENCOUNTERED (FT)		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT)		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:								
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:								
	DEPTH (FT)		BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)	
	FROM	TO							
	0	20	11	PVC	slip joint	6.166	.255		
	20	190	9.75	PVC	slip joint	6.166	.255		
	190	250	9.75	PVC - screen	slip joint	6.166	.255	.035	
DEPTH (FT)		THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)				YIELD (GPM)		
FROM	TO								
128	189	61	sandy red clay						
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA						TOTAL ESTIMATED WELL YIELD (GPM)			

FOR OSE INTERNAL USE

FILE NUMBER C-3441	POD NUMBER POD1	WELL RECORD & LOG (Version 6/9/08)
LOCATION 26.34.6.2141122	TRN NUMBER	PAGE 1 OF 2

5. SEAL AND PUMP	TYPE OF PUMP: <input checked="" type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> JET <input type="checkbox"/> NO PUMP - WELL NOT EQUIPPED <input type="checkbox"/> TURBINE <input type="checkbox"/> CYLINDER <input type="checkbox"/> OTHER - SPECIFY:							
	ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT)		BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT	
		FROM	TO					
		0	20					11
		20	250	9.75	gravel	84	gravity fed	
6. GEOLOGIC LOG OF WELL	DEPTH (FT)		THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?			
	FROM	TO						
	0	1	1	top soil	<input type="checkbox"/> YES	<input type="checkbox"/> NO		
	1	25	24	sandy clay	<input type="checkbox"/> YES	<input type="checkbox"/> NO		
	25	37	12	caliche & sand	<input type="checkbox"/> YES	<input type="checkbox"/> NO		
	37	85	48	sand & sandstone stringers	<input type="checkbox"/> YES	<input type="checkbox"/> NO		
	85	108	23	red sandstone with red clay streaks	<input type="checkbox"/> YES	<input type="checkbox"/> NO		
	108	128	20	sandstone with yellow clay streaks	<input type="checkbox"/> YES	<input type="checkbox"/> NO		
	128	189	61	sandy red clay	<input type="checkbox"/> YES	<input type="checkbox"/> NO		
	189	249	60	white sandstone with red clay streaks	<input type="checkbox"/> YES	<input type="checkbox"/> NO		
	249	250	1	red clay	<input type="checkbox"/> YES	<input type="checkbox"/> NO		
					<input type="checkbox"/> YES	<input type="checkbox"/> NO		
					<input type="checkbox"/> YES	<input type="checkbox"/> NO		
					<input type="checkbox"/> YES	<input type="checkbox"/> NO		
	ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL							
	7. TEST & ADDITIONAL INFO	WELL TEST		METHOD: <input type="checkbox"/> BAILER <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> OTHER - SPECIFY:				
				TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
		ADDITIONAL STATEMENTS OR EXPLANATIONS:						
8. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:							
	<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">  SIGNATURE OF DRILLER </div> <div style="text-align: center;"> May 14, 2010 DATE </div> </div>							

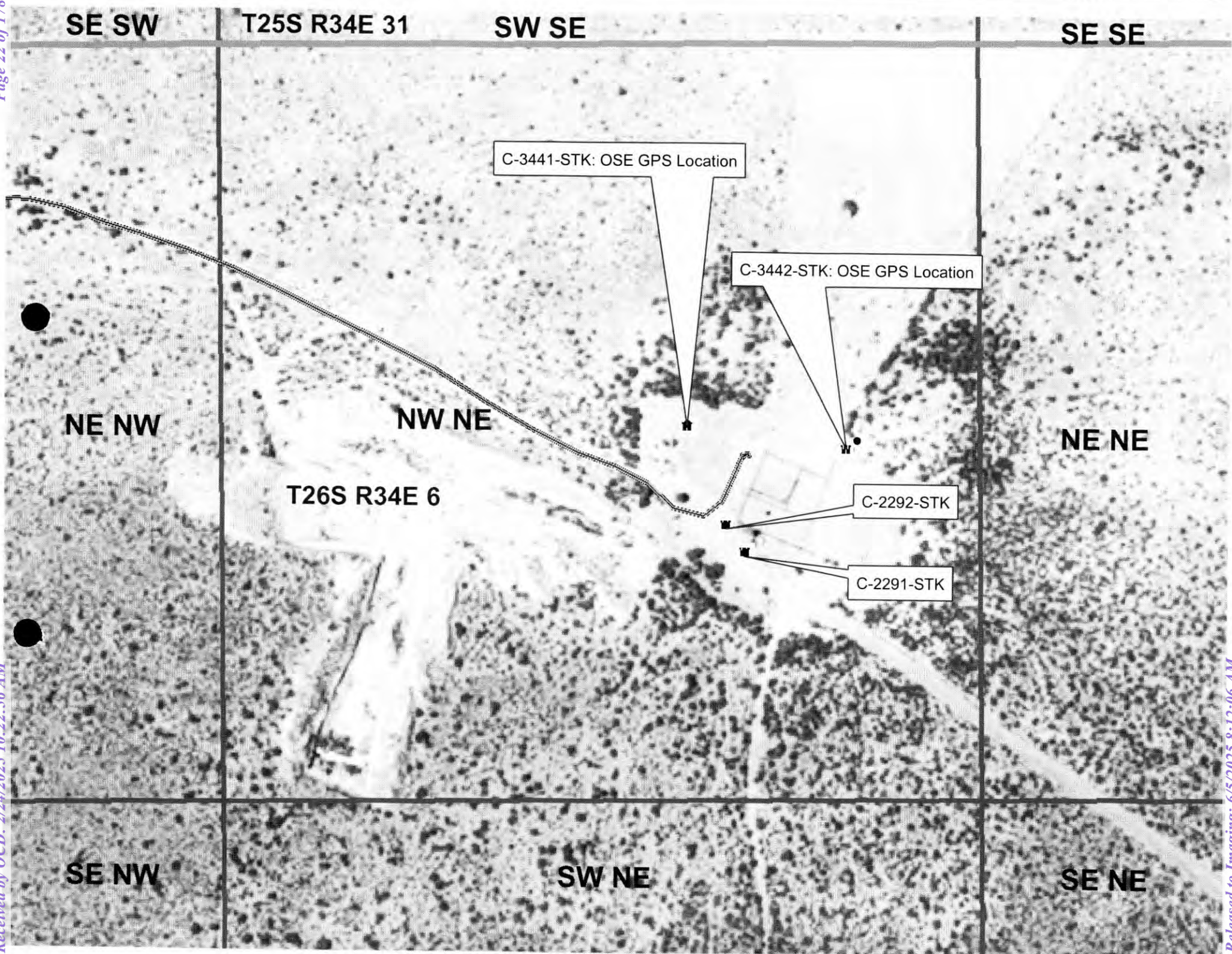
 STATE ENGINEER OF
 RESWELL, NEW MEXICO
 2010 MAY 17 A 11:11 AM

FOR OSE INTERNAL USE

WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER 2-3741	POD NUMBER POD1	TRN NUMBER
LOCATION 26-34-6-24-282		PAGE 2 OF 2

2141122



Locator Tool Report

General Information:

Application ID: 29 Date: 02-01-2011 Time: 11:32:20

WR File Number: C-03441-STK
Purpose: POINT OF DIVERSION

Applicant First Name: DINWIDDIE CATTLE CO
Applicant Last Name: NEW STOCK WELL (OSE FIELD GPS)

GW Basin: CARLSBAD
County: LEA

Critical Management Area Name(s): NONE
Special Condition Area Name(s): NONE
Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

NW 1/4 of SE 1/4 of NW 1/4 of NE 1/4 of Section 06, Township 26S, Range 34E.

Coordinate System Details:**Geographic Coordinates:**

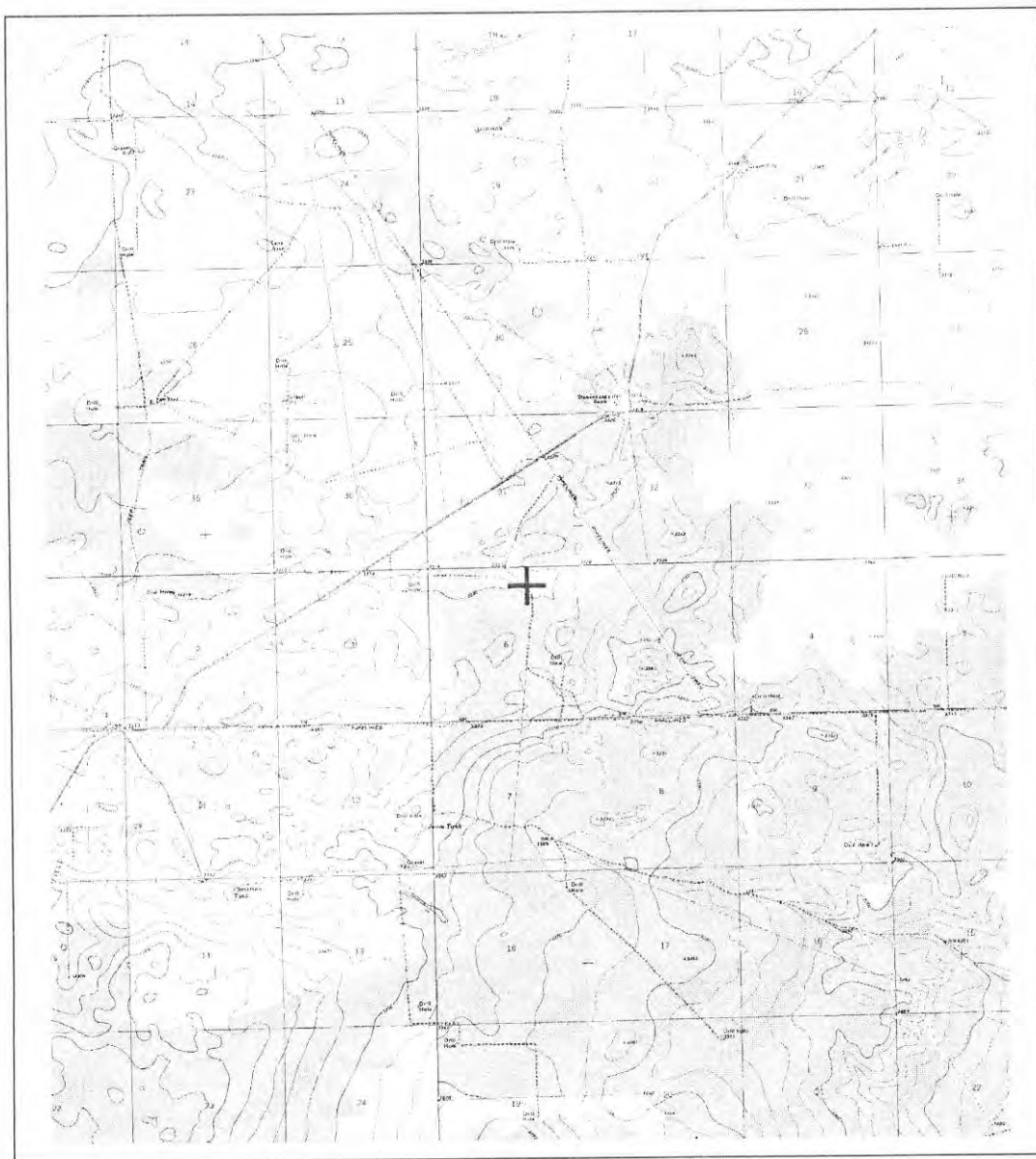
Latitude: 32 Degrees 4 Minutes 40.2 Seconds N
Longitude: 103 Degrees 30 Minutes 22.9 Seconds W

Universal Transverse Mercator Zone: 13N

NAD 1983(92) (Meters)	N: 3,550,040	E: 640,971
NAD 1983(92) (Survey Feet)	N: 11,647,089	E: 2,102,918
NAD 1927 (Meters)	N: 3,549,839	E: 641,018
NAD 1927 (Survey Feet)	N: 11,646,429	E: 2,103,073

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 119,798	E: 243,072
NAD 1983(92) (Survey Feet)	N: 393,037	E: 797,479
NAD 1927 (Meters)	N: 119,780	E: 230,518
NAD 1927 (Survey Feet)	N: 392,980	E: 756,292

NEW MEXICO OFFICE OF STATE ENGINEER**Locator Tool Report**

WR File Number: C-03441-STK Scale: 1:77,058

Northing/Easting: UTM83(92) (Meter): N: 3,550,040 E: 640,971

Northing/Easting: SPCS83(92) (Feet): N: 393,037 E: 797,479

GW Basin: Carlsbad



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2000 MAY 17 A 11:12

1. GENERAL AND WELL LOCATION	POD NUMBER (WELL NUMBER) C-3442-POD 1				OSE FILE NUMBER(S) C 03442			
	WELL OWNER NAME(S) Dinwiddie Cattle Company				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS PO Box 963				CITY Capitan		STATE NM	ZIP 88316
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE N32	MINUTES 04	SECONDS 39.812 44.0 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84 (OSE GPS)			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS 19.628								
2. OPTIONAL	(2.5 ACRE) NE 1/4	(10 ACRE) SE 1/4	(40 ACRE) NW 1/4	(160 ACRE) NE 1/4	SECTION 6	TOWNSHIP 26	RANGE 34	<input type="checkbox"/> NORTH <input checked="" type="checkbox"/> SOUTH <input type="checkbox"/> EAST <input type="checkbox"/> WEST
	SUBDIVISION NAME				LOT NUMBER	BLOCK NUMBER	UNIT/TRACT	
	HYDROGRAPHIC SURVEY				MAP NUMBER		TRACT NUMBER	
3. DRILLING INFORMATION	LICENSE NUMBER WD1044		NAME OF LICENSED DRILLER Alan Eades			NAME OF WELL DRILLING COMPANY Eades Drilling & Pump Service		
	DRILLING STARTED 05-03-10		DRILLING ENDED 05-03-10		DEPTH OF COMPLETED WELL (FT) 251	BORE HOLE DEPTH (FT) 251	DEPTH WATER FIRST ENCOUNTERED (FT)	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT)	
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (FT)		BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
	FROM	TO						
	0	20						
	20	191						
	191		251	9.75	PVC - screen	slip joint	6.166	.255
4. WATER BEARING STRATA	DEPTH (FT)		THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)				YIELD (GPM)
	FROM	TO						
	128	189	61	sandy red clay				
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA						TOTAL ESTIMATED WELL YIELD (GPM)		

FOR USE INTERNAL USE

WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER C-3442	POD NUMBER POD 1	TRN NUMBER
LOCATION 26.34.6.214.2123		PAGE 1 OF 2

5. SEAL AND PUMP	TYPE OF PUMP: <input checked="" type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> JET <input type="checkbox"/> NO PUMP - WELL NOT EQUIPPED <input type="checkbox"/> TURBINE <input type="checkbox"/> CYLINDER <input type="checkbox"/> OTHER - SPECIFY:						
	ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT)		BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
		FROM	TO				
		0	20	11	bentonite chips - hydrated	9	gravity fed
		20	251	9.75	gravel	85	gravity fed
6. GEOLOGIC LOG OF WELL	DEPTH (FT)		THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?		
	FROM	TO					
	0	1	1	top soil	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
	1	25	24	sandy clay	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
	25	37	12	caliche & sand	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
	37	85	48	sand & sandstone stringers	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
	85	108	23	red sandstone with red clay streaks	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
	108	128	20	sandstone with yellow clay streaks	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
	128	189	61	sandy red clay	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
	189	250	61	white sandstone with red clay streaks	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
	250	251	1	red clay	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
					<input type="checkbox"/> YES	<input type="checkbox"/> NO	
					<input type="checkbox"/> YES	<input type="checkbox"/> NO	
					<input type="checkbox"/> YES	<input type="checkbox"/> NO	
	ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL						
	7. TEST & ADDITIONAL INFO	WELL TEST		METHOD: <input type="checkbox"/> BAILER <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> OTHER - SPECIFY:			
				TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START AND END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.			
		ADDITIONAL STATEMENTS OR EXPLANATIONS:					
8. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:						
	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> SIGNATURE OF DRILLER </div> <div style="text-align: center;"> May 14, 2010 DATE </div> </div>						

FOR USE INTERNAL USE

WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER C-3442	POD NUMBER POD1	TRN NUMBER
LOCATION 26-34.6-2142123	PAGE 2 OF 2	

SE SW

T25S R34E 31

SW SE

SE SE

C-3441-STK: OSE GPS Location

C-3442-STK: OSE GPS Location

NE NW

NW NE

NE NE

T26S R34E 6

C-2292-STK

C-2291-STK

SE NW

SW NE

SE NE

Locator Tool Report

General Information:

Application ID: 29 Date: 02-01-2011 Time: 11:38:38

WR File Number: C-03442-STK
Purpose: POINT OF DIVERSION

Applicant First Name: DINWIDDIE CATTLE CO
Applicant Last Name: NEW STOCK WELL (OSE FIELD GPS)

GW Basin: CARLSBAD
County: LEA

Critical Management Area Name(s): NONE
Special Condition Area Name(s): NONE
Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

NE 1/4 of SE 1/4 of NW 1/4 of NE 1/4 of Section 06, Township 26S, Range 34E.

Coordinate System Details:**Geographic Coordinates:**

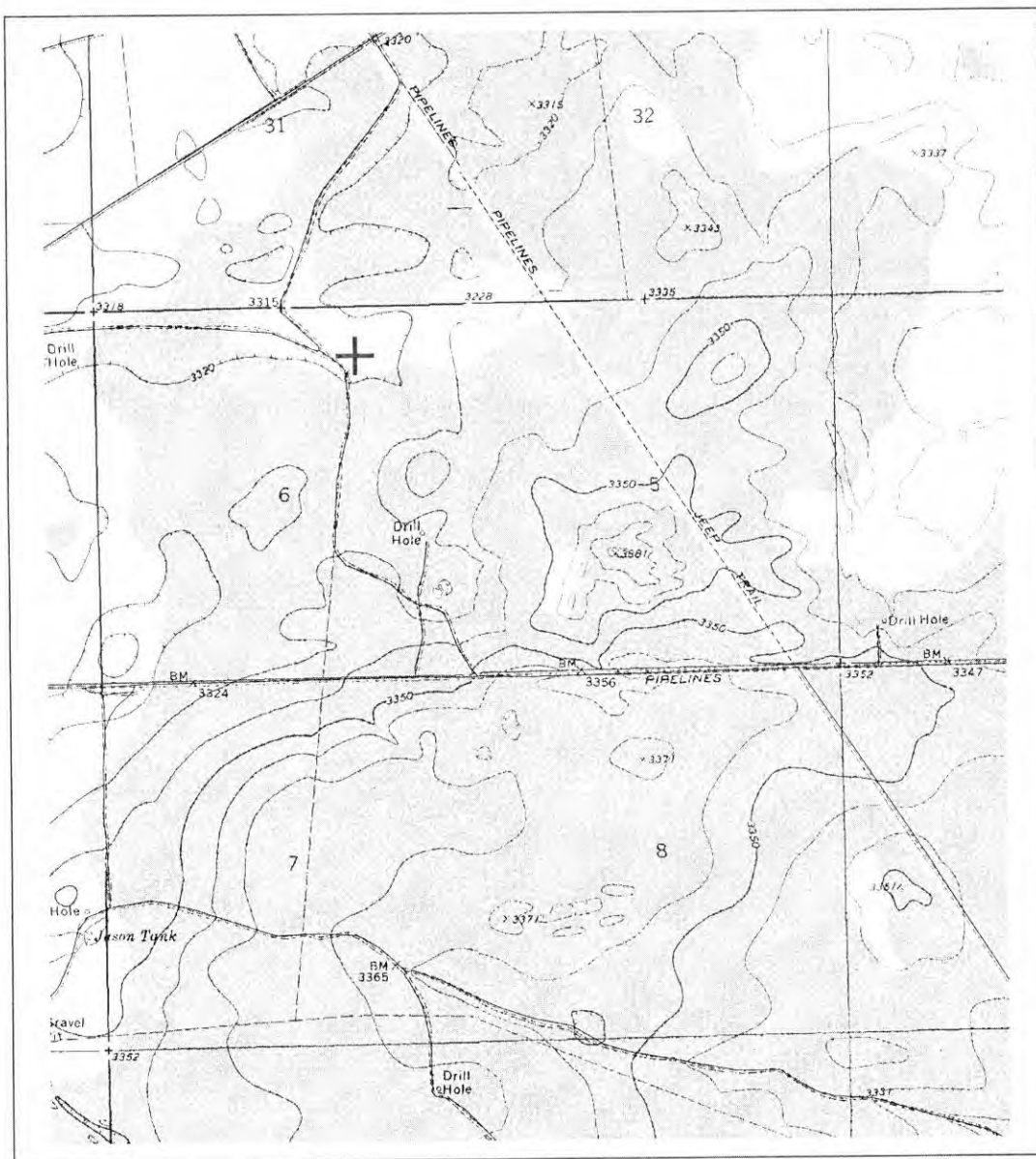
Latitude: 32 Degrees 4 Minutes 39.8 Seconds N
Longitude: 103 Degrees 30 Minutes 19.6 Seconds W

Universal Transverse Mercator Zone: 13N

NAD 1983(92) (Meters)	N: 3,550,028	E: 641,056
NAD 1983(92) (Survey Feet)	N: 11,647,051	E: 2,103,197
NAD 1927 (Meters)	N: 3,549,827	E: 641,103
NAD 1927 (Survey Feet)	N: 11,646,391	E: 2,103,353

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 119,786	E: 243,157
NAD 1983(92) (Survey Feet)	N: 392,998	E: 797,758
NAD 1927 (Meters)	N: 119,768	E: 230,603
NAD 1927 (Survey Feet)	N: 392,940	E: 756,571

NEW MEXICO OFFICE OF STATE ENGINEER**Locator Tool Report**

WR File Number: C-03442-STK Scale: 1:31,754

Northing/Easting: UTM83(92) (Meter): N: 3,550,028 E: 641,056

Northing/Easting: SPCS83(92) (Feet): N: 392,998 E: 797,758

GW Basin: Carlsbad

Jayhawk 6 CTB 2

36

BATTLE AXE AND ANDX Brown Bear TUL
31

- 0.5 Mile Radius
- 300 ft Radius
- Jayhawk 6 CTB 2

Integrity 7

Jayhawk 6 CTB 2

1

6

3350-

Google Earth

Released to Imaging: 6/5/2025 8:12:06 AM

4000 ft



Legend

Basemap

Query

1:9,028

Legend

All Layers On/Off

All Layer Transparency

NM Wetlands Mapping and Classification

NM Wetlands Mapping and Classification

Mapping Status

In Progress (Only NWI)

Not Mapped

Riparian Habitat

Hydrogeomorphic Mapping (HGM) Linears

Riverine

Hydrogeomorphic Mapping (HGM)

Polygons

Depressional

Flats

Lacustrine Fringe

Riverine

Slope

Landscape Position and Water Body (LLWW) Linears

Lentic (LE)

Lotic Rİver (LR)

Lotic Stream (LS)

Pond (PD)

River (RV)

Stream (ST)

Terrene (TE)

Landscape Position and Water Body (LLWW) Polygons

Lentic (LE)

Lake (LK)

Lotic River (LR)

Lotic Stream (LS)

Pond (PD)

River (RV)

Stream (ST)

Terrene (TE)

Landform (LLWW)

Basin

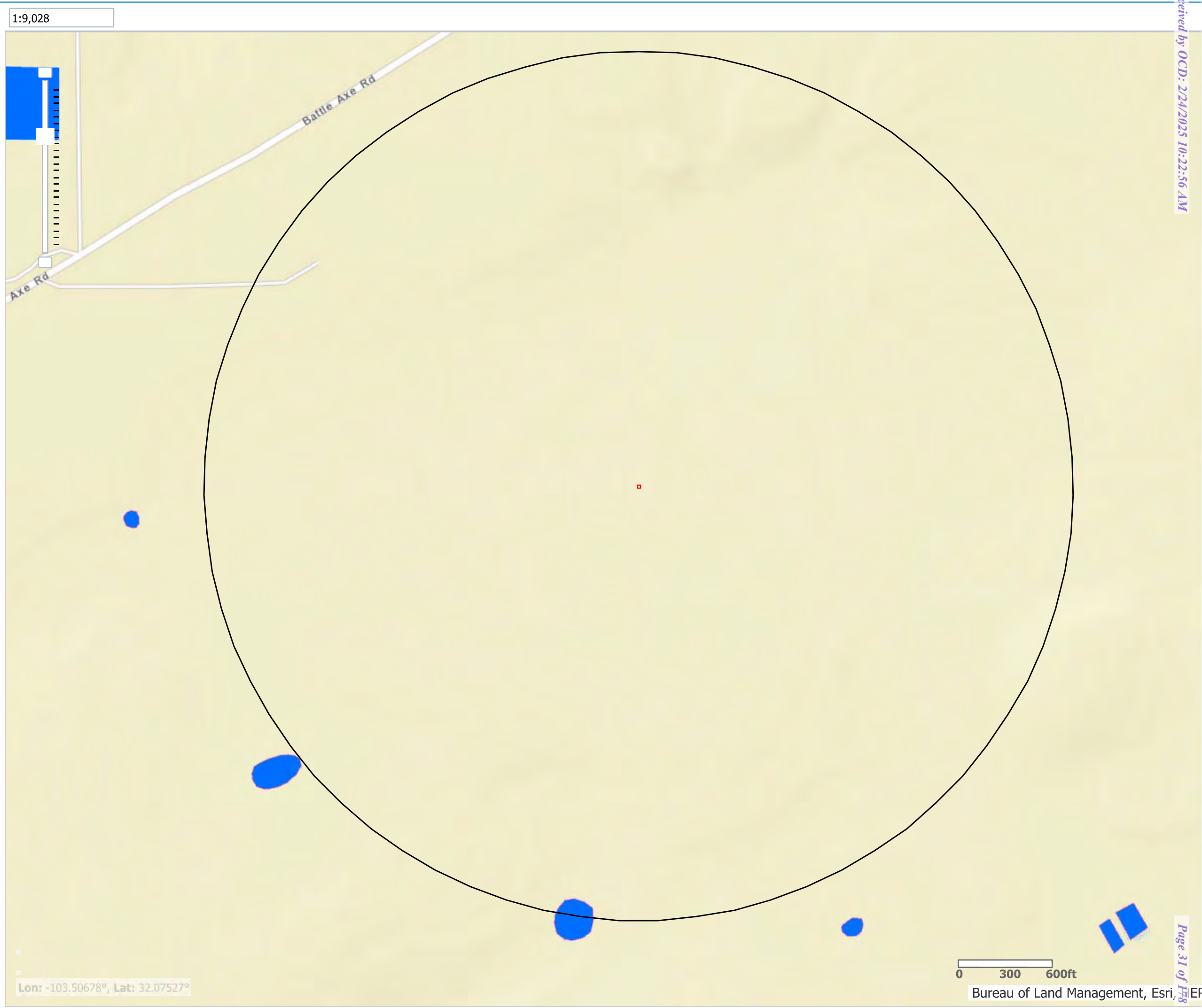
Flat

Floodplain

Fringe

Island

Slope



Lon: -103.50678°, Lat: 32.07527°

0 300 600ft

Bureau of Land Management, Esri, and others

National Flood Hazard Layer FIRMette



103°31'2"W 32°4'50"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°30'24"W 32°4'19"N

Released to Imaging: 6/5/2025 8:12:06 AM

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

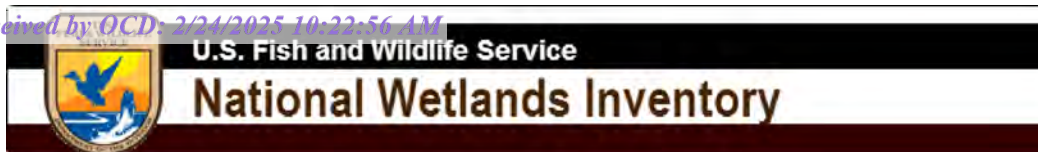


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/4/2024 at 10:02 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Wetlands Map



June 3, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG
Devon Energy Production Company
Jayhawk 6 CTB 2

Photograph No. 1

Facility: Jayhawk 6 CTB 2

County: Lea County, New Mexico

Description:
Area of Concern

**Photograph No. 2**

Facility: Jayhawk 6 CTB 2

County: Lea County, New Mexico

Description:
Area of Concern

**Photograph No. 3**

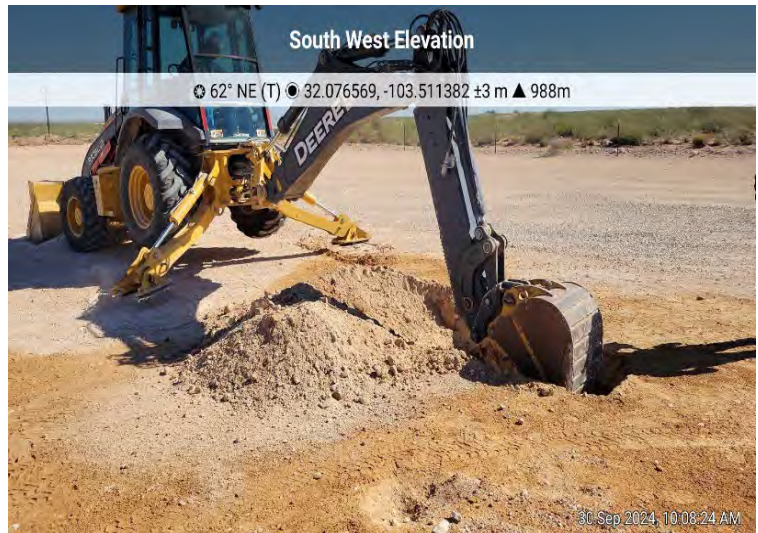
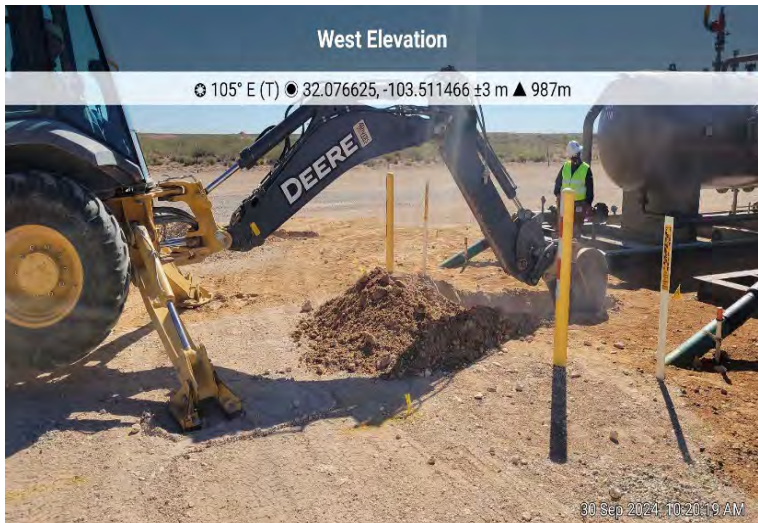
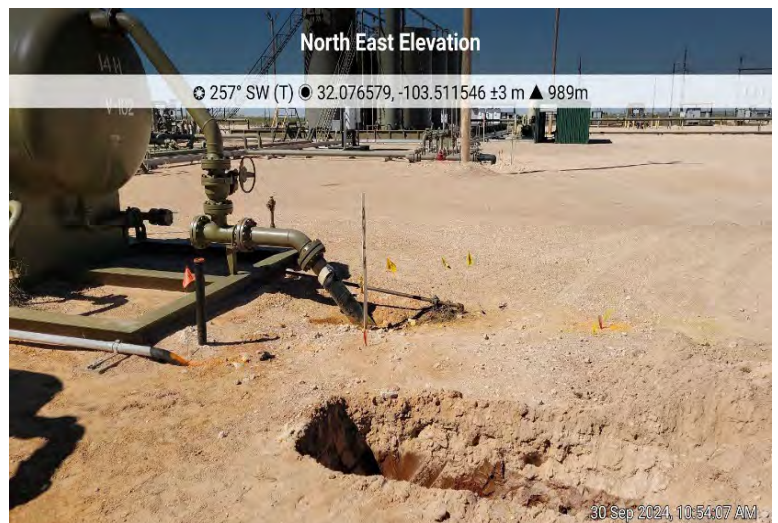
Facility: Jayhawk 6 CTB 2

County: Lea County, New Mexico

Description:
Area of Concern



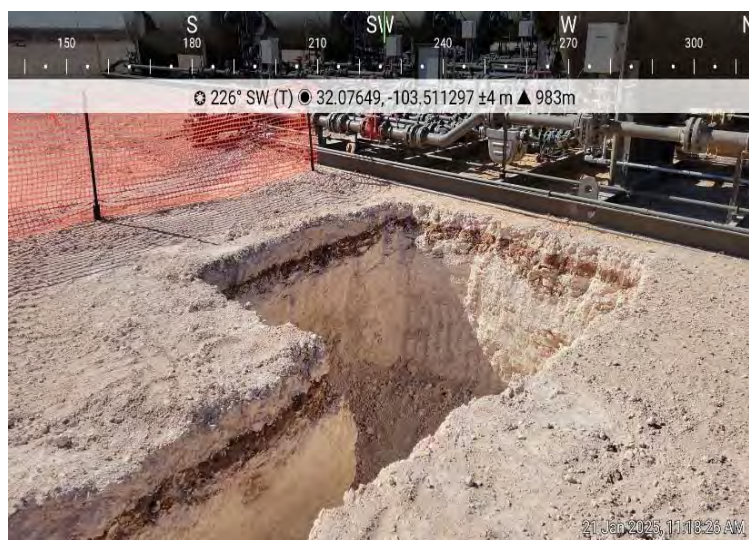
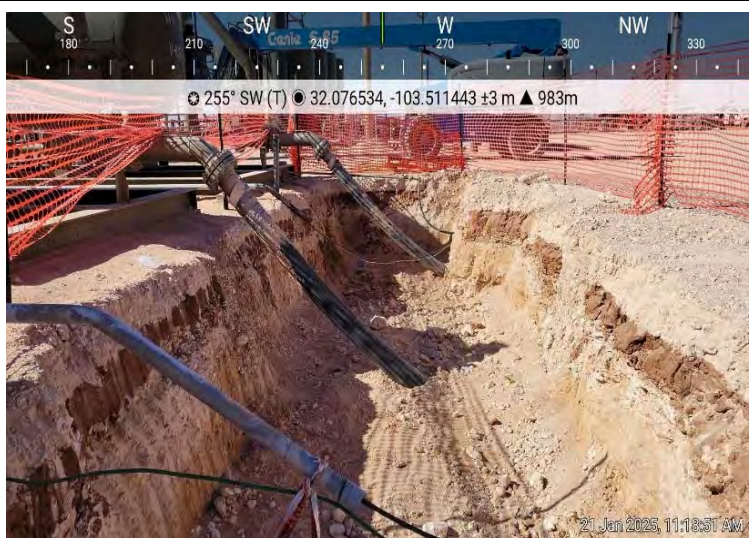
PHOTOGRAPHIC LOG
Devon Energy Production Company
Jayhawk 6 CTB 2

Photograph No. 4**Facility:** Jayhawk 6 CTB 2**County:** Lea County, New Mexico**Description:**
Test Pit Installation**Photograph No. 5****Facility:** Jayhawk 6 CTB 2**County:** Lea County, New Mexico**Description:**
Test Pit Installation**Photograph No. 6****Facility:** Jayhawk 6 CTB 2**County:** Lea County, New Mexico**Description:**
Test Pit Installation

PHOTOGRAPHIC LOG

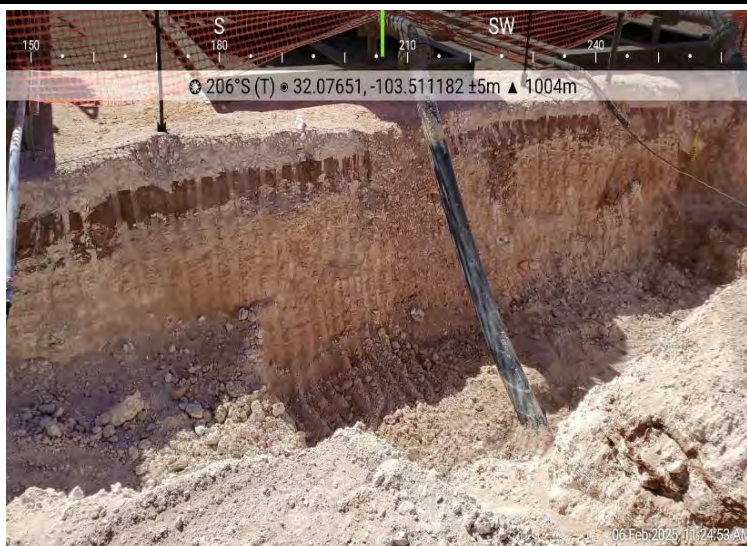
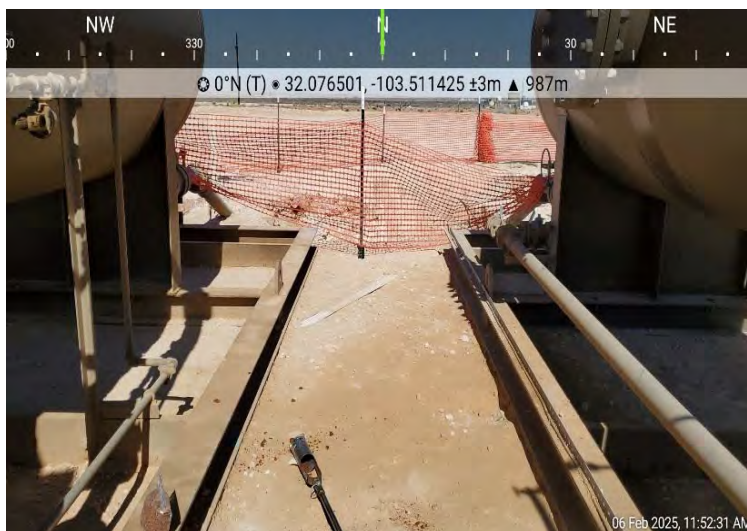
Devon Energy Production Company

Jayhawk 6 CTB 2

Photograph No. 7**Facility:** Jayhawk 6 CTB 2**County:** Lea County, New Mexico**Description:**
View of Excavation**Photograph No. 8****Facility:** Jayhawk 6 CTB 2**County:** Lea County, New Mexico**Description:**
View of Excavation**Photograph No. 9****Facility:** Jayhawk 6 CTB 2**County:** Lea County, New Mexico**Description:**
View of Excavation

PHOTOGRAPHIC LOG

Devon Energy Production Company
Jayhawk 6 CTB 2

Photograph No. 10**Facility:** Jayhawk 6 CTB 2**County:** Lea County, New Mexico**Description:**
View of Excavation**Photograph No. 11****Facility:** Jayhawk 6 CTB 2**County:** Lea County, New Mexico**Description:**
View of Deferral Sampling**Photograph No. 12****Facility:** Jayhawk 6 CTB 2**County:** Lea County, New Mexico**Description:**
View of Deferral Sampling

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS



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

September 13, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: JAYHAWK 6 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 09/10/24 13:36.

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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 (0-6) (H245477-01)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	09/12/2024	ND	1.88	94.0	2.00	8.05	
Toluene*	1.49	0.100	09/12/2024	ND	1.92	96.2	2.00	11.3	GC-NC1
Ethylbenzene*	1.08	0.100	09/12/2024	ND	2.04	102	2.00	12.4	GC-NC1
Total Xylenes*	19.6	0.300	09/12/2024	ND	6.27	105	6.00	13.4	QM-07
Total BTEx	22.1	0.600	09/12/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 193 % 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	6080	16.0	09/12/2024	ND	400	100	400	7.69	

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*	1120	10.0	09/11/2024	ND	202	101	200	3.37	QM-07
DRO >C10-C28*	7600	10.0	09/11/2024	ND	187	93.3	200	5.42	QM-07
EXT DRO >C28-C36	1210	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 179 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 (1-1.5) (H245477-02)

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	09/11/2024	ND	1.88	94.0	2.00	8.05		
Toluene*	<0.050	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3		
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.04	102	2.00	12.4		
Total Xylenes*	<0.150	0.150	09/11/2024	ND	6.27	105	6.00	13.4		
Total BTX	<0.300	0.300	09/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	4560	16.0	09/12/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	20.5	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 2 (0-6) (H245477-03)

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	09/12/2024	ND	1.88	94.0	2.00	8.05	
Toluene*	5.03	0.200	09/12/2024	ND	1.92	96.2	2.00	11.3	GC-NC1
Ethylbenzene*	5.62	0.200	09/12/2024	ND	2.04	102	2.00	12.4	GC-NC1
Total Xylenes*	69.2	0.600	09/12/2024	ND	6.27	105	6.00	13.4	
Total BTX	79.8	1.20	09/12/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 235 % 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	112	16.0	09/11/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	5480	100	09/12/2024	ND	202	101	200	3.37	
DRO >C10-C28*	30900	100	09/12/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	4570	100	09/12/2024	ND					

Surrogate: 1-Chlorooctane 376 % 48.2-134

Surrogate: 1-Chlorooctadecane 427 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 2 (1-1.5) (H245477-04)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.12	1.00	09/11/2024	ND	1.88	94.0	2.00	8.05	GC-NC1
Toluene*	21.2	1.00	09/11/2024	ND	1.92	96.2	2.00	11.3	GC-NC1
Ethylbenzene*	10.7	1.00	09/11/2024	ND	2.04	102	2.00	12.4	GC-NC1
Total Xylenes*	131	3.00	09/11/2024	ND	6.27	105	6.00	13.4	
Total BTEX	164	6.00	09/11/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 139 % 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	48.0	16.0	09/11/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	7960	100	09/12/2024	ND	202	101	200	3.37	
DRO >C10-C28*	28700	100	09/12/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	4160	100	09/12/2024	ND					

Surrogate: 1-Chlorooctane 378 % 48.2-134

Surrogate: 1-Chlorooctadecane 376 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 3 (0-6) (H245477-05)

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	09/11/2024	ND	1.88	94.0	2.00	8.05	
Toluene*	0.141	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3	GC-NC1
Ethylbenzene*	0.090	0.050	09/11/2024	ND	2.04	102	2.00	12.4	GC-NC1
Total Xylenes*	1.42	0.150	09/11/2024	ND	6.27	105	6.00	13.4	
Total BTEX	1.65	0.300	09/11/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 133 % 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	4000	16.0	09/11/2024	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*	102	10.0	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	5360	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	859	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 3 (1-1.5) (H245477-06)

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	09/11/2024	ND	1.88	94.0	2.00	8.05		
Toluene*	<0.050	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3		
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.04	102	2.00	12.4		
Total Xylenes*	<0.150	0.150	09/11/2024	ND	6.27	105	6.00	13.4		
Total BTX	<0.300	0.300	09/11/2024	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	64.0	16.0	09/11/2024	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	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	<10.0	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 (0-6) (H245477-07)

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	09/11/2024	ND	1.88	94.0	2.00	8.05		
Toluene*	<0.050	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3		
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.04	102	2.00	12.4		
Total Xylenes*	<0.150	0.150	09/11/2024	ND	6.27	105	6.00	13.4		
Total BTEX	<0.300	0.300	09/11/2024	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	7040	16.0	09/11/2024	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	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	<10.0	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 (1-1.5) (H245477-08)

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	09/11/2024	ND	1.88	94.0	2.00	8.05		
Toluene*	<0.050	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3		
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.04	102	2.00	12.4		
Total Xylenes*	<0.150	0.150	09/11/2024	ND	6.27	105	6.00	13.4		
Total BTEX	<0.300	0.300	09/11/2024	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	3000	16.0	09/11/2024	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	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	<10.0	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 5 (0-6) (H245477-09)

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	09/11/2024	ND	1.88	94.0	2.00	8.05		
Toluene*	<0.050	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3		
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.04	102	2.00	12.4		
Total Xylenes*	<0.150	0.150	09/11/2024	ND	6.27	105	6.00	13.4		
Total BTEX	<0.300	0.300	09/11/2024	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	7730	16.0	09/11/2024	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	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	11.7	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 5 (1-1.5) (H245477-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2024	ND	1.88	94.0	2.00	8.05		
Toluene*	<0.050	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3		
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.04	102	2.00	12.4		
Total Xylenes*	<0.150	0.150	09/11/2024	ND	6.27	105	6.00	13.4		
Total BTX	<0.300	0.300	09/11/2024	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	7040	16.0	09/11/2024	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	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	<10.0	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 6 (0-6) (H245477-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	7.52	1.00	09/11/2024	ND	1.88	94.0	2.00	8.05	GC-NC1
Toluene*	60.6	1.00	09/11/2024	ND	1.92	96.2	2.00	11.3	GC-NC1
Ethylbenzene*	16.7	1.00	09/11/2024	ND	2.04	102	2.00	12.4	GC-NC1
Total Xylenes*	176	3.00	09/11/2024	ND	6.27	105	6.00	13.4	
Total BTEX	261	6.00	09/11/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	32.0	16.0	09/11/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	8530	100	09/12/2024	ND	202	101	200	3.37		
DRO >C10-C28*	12600	100	09/12/2024	ND	187	93.3	200	5.42		
EXT DRO >C28-C36	1660	100	09/12/2024	ND						

Surrogate: 1-Chlorooctane 198 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 6 (1-1.5) (H245477-12)

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	09/11/2024	ND	1.88	94.0	2.00	8.05	
Toluene*	0.230	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3	GC-NC1
Ethylbenzene*	0.116	0.050	09/11/2024	ND	2.04	102	2.00	12.4	GC-NC1
Total Xylenes*	1.72	0.150	09/11/2024	ND	6.27	105	6.00	13.4	
Total BTEx	2.07	0.300	09/11/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	16.0	16.0	09/11/2024	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*	67.8	10.0	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	362	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	46.6	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 1 (0-6) (H245477-13)

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	09/11/2024	ND	1.88	94.0	2.00	8.05	
Toluene*	<0.050	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3	
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.04	102	2.00	12.4	
Total Xylenes*	<0.150	0.150	09/11/2024	ND	6.27	105	6.00	13.4	
Total BTEX	<0.300	0.300	09/11/2024	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	32.0	16.0	09/11/2024	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	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	<10.0	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 60.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.9 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 2 (0-6) (H245477-14)

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	09/11/2024	ND	1.88	94.0	2.00	8.05	
Toluene*	<0.050	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3	
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.04	102	2.00	12.4	
Total Xylenes*	<0.150	0.150	09/11/2024	ND	6.27	105	6.00	13.4	
Total BTEX	<0.300	0.300	09/11/2024	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	48.0	16.0	09/11/2024	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	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	35.9	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 3 (0-6) (H245477-15)

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	09/11/2024	ND	1.88	94.0	2.00	8.05	
Toluene*	<0.050	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3	
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.04	102	2.00	12.4	
Total Xylenes*	<0.150	0.150	09/11/2024	ND	6.27	105	6.00	13.4	
Total BTEX	<0.300	0.300	09/11/2024	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	32.0	16.0	09/11/2024	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	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	<10.0	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 4 (0-6) (H245477-16)

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	09/11/2024	ND	1.88	94.0	2.00	8.05		
Toluene*	0.099	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3	GC-NC1	
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.04	102	2.00	12.4		
Total Xylenes*	<0.150	0.150	09/11/2024	ND	6.27	105	6.00	13.4		
Total BTEX	<0.300	0.300	09/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	48.0	16.0	09/11/2024	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	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	<10.0	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 5 (0-6) (H245477-17)

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	09/11/2024	ND	1.88	94.0	2.00	8.05		
Toluene*	<0.050	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3		
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.04	102	2.00	12.4		
Total Xylenes*	<0.150	0.150	09/11/2024	ND	6.27	105	6.00	13.4		
Total BTEX	<0.300	0.300	09/11/2024	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	304	16.0	09/11/2024	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	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	<10.0	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 6 (0-6) (H245477-18)

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	09/11/2024	ND	1.88	94.0	2.00	8.05	
Toluene*	<0.050	0.050	09/11/2024	ND	1.92	96.2	2.00	11.3	
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.04	102	2.00	12.4	
Total Xylenes*	<0.150	0.150	09/11/2024	ND	6.27	105	6.00	13.4	
Total BTEX	<0.300	0.300	09/11/2024	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	4640	16.0	09/11/2024	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	09/11/2024	ND	202	101	200	3.37	
DRO >C10-C28*	<10.0	10.0	09/11/2024	ND	187	93.3	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 7 (0-6) (H245477-19)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2024	ND	2.35	117	2.00	10.7	
Toluene*	<0.050	0.050	09/11/2024	ND	2.54	127	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.69	134	2.00	10.3	
Total Xylenes*	<0.150	0.150	09/11/2024	ND	8.22	137	6.00	11.0	
Total BTEX	<0.300	0.300	09/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 149 % 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	5860	16.0	09/11/2024	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	09/11/2024	ND	189	94.3	200	4.58	
DRO >C10-C28*	<10.0	10.0	09/11/2024	ND	179	89.5	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 8 (0-6) (H245477-20)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2024	ND	2.35	117	2.00	10.7	
Toluene*	<0.050	0.050	09/11/2024	ND	2.54	127	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.69	134	2.00	10.3	
Total Xylenes*	<0.150	0.150	09/11/2024	ND	8.22	137	6.00	11.0	
Total BTEX	<0.300	0.300	09/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 150 % 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	5400	16.0	09/11/2024	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	09/11/2024	ND	189	94.3	200	4.58	
DRO >C10-C28*	<10.0	10.0	09/11/2024	ND	179	89.5	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 9 (0-6) (H245477-21)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2024	ND	2.35	117	2.00	10.7	
Toluene*	<0.050	0.050	09/11/2024	ND	2.54	127	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.69	134	2.00	10.3	
Total Xylenes*	<0.150	0.150	09/11/2024	ND	8.22	137	6.00	11.0	
Total BTEX	<0.300	0.300	09/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 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	09/11/2024	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	09/11/2024	ND	189	94.3	200	4.58	
DRO >C10-C28*	<10.0	10.0	09/11/2024	ND	179	89.5	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/10/2024
 Reported: 09/13/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: NONE GIVEN
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 10 (0-6) (H245477-22)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2024	ND	2.35	117	2.00	10.7		
Toluene*	<0.050	0.050	09/11/2024	ND	2.54	127	2.00	10.4		
Ethylbenzene*	<0.050	0.050	09/11/2024	ND	2.69	134	2.00	10.3		
Total Xylenes*	<0.150	0.150	09/11/2024	ND	8.22	137	6.00	11.0		
Total BTEx	<0.300	0.300	09/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 135 % 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	48.0	16.0	09/11/2024	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	09/11/2024	ND	189	94.3	200	4.58	
DRO >C10-C28*	<10.0	10.0	09/11/2024	ND	179	89.5	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	09/11/2024	ND					

Surrogate: 1-Chlorooctane 68.5 % 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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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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: NTGE				BILL TO				ANALYSIS REQUEST													
Project Manager: Ethan Sessums				P.O. #: 21406179																	
Address: 209 West McKay St				Company: Devon																	
City: Carlsbad State: NM Zip: 88220				Attn:																	
Phone #: Fax #:				Address:																	
Project #: N/A Project Owner: Devon				City:																	
Project Name: Jayhawk 6 CTBZ				State: Zip:																	
Project Location: Dea County				Phone #:																	
Sampler Name: Clayton T, Tyler K				Fax #:																	
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING													
Lab I.D.		Sample I.D.																			
H245477		V-1 (0-6)		GROUNDWATER		✓		DATE		BT EX TPH Chloride											
1		V-1 (1-1.5)		WASTEWATER				9/10													
2		V-2 (0-6)		SOIL		X															
3		V-2 (1-1.5)		OIL																	
4		V-3 (0-6)		SLUDGE																	
5		V-3 (1-1.5)		OTHER:																	
6		V-4 (0-6)		ACID/BASE:																	
7		V-4 (1-1.5)		ICE / COOL																	
8		V-5 (0-6)		OTHER:																	
9		V-5 (1-1.5)																			

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Relinquished By:		Date: 9/10		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 1330		Time: 1330		Time: 1330		All Results are emailed. Please provide Email address:	
Relinquished By:		Date: 9/10		Received By:		REMARKS:	
Time: 1330		Time: 1330		Time: 1330		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Delivered By: (Circle One)		Observed Temp. °C -0.12		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -0.72		CHECKED BY: (Initials) SK		Thermometer ID #140 Correction Factor -0.6°C	
						Observed Temp. °C Corrected Temp. °C	

FORM-000 R 3.3 06/03/24

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGE				BILL TO				ANALYSIS REQUEST											
Project Manager: Ethan Sessums				P.O. #: 21406179															
Address: 209 West McKay St				Company: Devon															
City: Carlsbad State: NM Zip: 88220				Attn:															
Phone #: Fax #:				Address:															
Project #: N/A Project Owner: Devon				City:															
Project Name: Jayhawk 6 CTBZ				State: Zip:															
Project Location: Dea County				Phone #:															
Sampler Name: Clayton T, Tyler K				Fax #:															
FOR LAB USE ONLY		Lab I.D. H245477		Sample I.D. V-6 (0-6)		(G/RAB OR (C)OMP. 6		MATRIX		PRESERV.		SAMPLING		BTEX TPH Chloride					
						# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL				OIL			
								SLUDGE		OTHER:		ACID/BASE:				ICE / COOL			
										OTHER:		DATE				TIME			

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Relinquished By:		Date: 9/10	Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: 1330	Received By:		All Results are emailed. Please provide Email address:	
Date:		Date:		REMARKS:		
Time:		Time:		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		
Delivered By: (Circle One)		Observed Temp. °C -0.1°C	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -0.7°C	CHECKED BY: (Initials) SK		Thermometer ID #140 Correction Factor -0.8°C	
				Observed Temp. °C Corrected Temp. °C		

FORM-000 R 3.5 08/03/24

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 27 of 27

Company Name: NTGE				BILL TO				ANALYSIS REQUEST											
Project Manager: Ethan Sessums				P.O. #: 21406179				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">STEEL</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> </div>											
Address: 209 West McKay St				Company: Devon															
City: Carlsbad State: NM Zip: 88220				Attn:															
Phone #: _____ Fax #: _____				Address:															
Project #: N/A Project Owner: Devon				City:															
Project Name: Jayhawk 6 CTBZ				State: _____ Zip: _____															
Project Location: Lea County				Phone #: _____															
Sampler Name: Clayton T, Tyler K				Fax #: _____															
FOR LAB USE ONLY		Lab I.D. #245477 21 22		Sample I.D. H-9 (0-6) H-10 (0-6)		(G/RAB OR (C)OMP. # CONTAINERS 61 61		MATRIX				PRESERV.		SAMPLING		DATE		TIME	
								GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL				

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Relinquished By:		Date: 9/10	Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By: _____		Time: 1330	Received By: _____		All Results are emailed. Please provide Email address:	
Relinquished By: _____		Date: _____	Received By: _____		REMARKS:	
Relinquished By: _____		Time: _____	Received By: _____		REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C -0.12	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY:	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 0.72	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
					Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C	
					Thermometer ID #140 Correction Factor -0.6°C	

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

October 04, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: JAYHAWK 6 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 09/30/24 13:43.

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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: TP - 1 1' (H245921-01)

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	10/01/2024	ND	2.06	103	2.00	2.66	
Toluene*	0.210	0.050	10/01/2024	ND	2.26	113	2.00	3.20	GC-NC1
Ethylbenzene*	0.293	0.050	10/01/2024	ND	2.49	125	2.00	6.32	GC-NC1
Total Xylenes*	4.65	0.150	10/01/2024	ND	7.62	127	6.00	7.78	GC-NC1
Total BTX	5.15	0.300	10/01/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	1840	16.0	10/01/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	163	10.0	10/01/2024	ND	206	103	200	0.00581	
DRO >C10-C28*	2170	10.0	10/01/2024	ND	197	98.4	200	3.85	
EXT DRO >C28-C36	432	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: TP - 1 2' (H245921-02)

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	10/01/2024	ND	2.06	103	2.00	2.66	
Toluene*	<0.050	0.050	10/01/2024	ND	2.26	113	2.00	3.20	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.49	125	2.00	6.32	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	7.62	127	6.00	7.78	
Total BTEX	<0.300	0.300	10/01/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/01/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	206	103	200	0.00581	
DRO >C10-C28*	63.4	10.0	10/01/2024	ND	197	98.4	200	3.85	
EXT DRO >C28-C36	28.2	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: TP - 1 3' (H245921-03)

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	10/01/2024	ND	2.06	103	2.00	2.66		
Toluene*	<0.050	0.050	10/01/2024	ND	2.26	113	2.00	3.20		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.49	125	2.00	6.32		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	7.62	127	6.00	7.78		
Total BTEx	<0.300	0.300	10/01/2024	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	416	16.0	10/01/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	206	103	200	0.00581	
DRO >C10-C28*	15.5	10.0	10/01/2024	ND	197	98.4	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: TP - 2 1' (H245921-04)

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	10/02/2024	ND	2.06	103	2.00	2.66	
Toluene*	0.624	0.050	10/02/2024	ND	2.26	113	2.00	3.20	GC-NC1
Ethylbenzene*	0.702	0.050	10/02/2024	ND	2.49	125	2.00	6.32	GC-NC1
Total Xylenes*	10.4	0.150	10/02/2024	ND	7.62	127	6.00	7.78	GC-NC1
Total BTX	11.7	0.300	10/02/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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	10/01/2024	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*	411	10.0	10/01/2024	ND	206	103	200	0.00581	
DRO >C10-C28*	4500	10.0	10/01/2024	ND	197	98.4	200	3.85	
EXT DRO >C28-C36	973	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 122 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: TP - 2 2' (H245921-05)

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	10/01/2024	ND	2.06	103	2.00	2.66		
Toluene*	<0.050	0.050	10/01/2024	ND	2.26	113	2.00	3.20		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.49	125	2.00	6.32		
Total Xylenes*	0.300	0.150	10/01/2024	ND	7.62	127	6.00	7.78	GC-NC1	
Total BTEX	0.300	0.300	10/01/2024	ND					GC-NC1	

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	32.0	16.0	10/01/2024	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*	31.9	10.0	10/01/2024	ND	206	103	200	0.00581	
DRO >C10-C28*	372	10.0	10/01/2024	ND	197	98.4	200	3.85	
EXT DRO >C28-C36	117	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: TP - 2 3' (H245921-06)

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	10/01/2024	ND	2.06	103	2.00	2.66		
Toluene*	<0.050	0.050	10/01/2024	ND	2.26	113	2.00	3.20		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.49	125	2.00	6.32		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	7.62	127	6.00	7.78		
Total BTEx	<0.300	0.300	10/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	10/01/2024	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*	19.4	10.0	10/01/2024	ND	206	103	200	0.00581	
DRO >C10-C28*	241	10.0	10/01/2024	ND	197	98.4	200	3.85	
EXT DRO >C28-C36	45.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: TP - 3 1' (H245921-07)

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	10/01/2024	ND	2.06	103	2.00	2.66		
Toluene*	<0.050	0.050	10/01/2024	ND	2.26	113	2.00	3.20		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.49	125	2.00	6.32		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	7.62	127	6.00	7.78		
Total BTEx	<0.300	0.300	10/01/2024	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	2000	16.0	10/01/2024	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	10/01/2024	ND	206	103	200	0.00581	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	197	98.4	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: TP - 3 2' (H245921-08)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.06	103	2.00	2.66	
Toluene*	0.156	0.050	10/01/2024	ND	2.26	113	2.00	3.20	GC-NC1
Ethylbenzene*	0.176	0.050	10/01/2024	ND	2.49	125	2.00	6.32	GC-NC1
Total Xylenes*	2.59	0.150	10/01/2024	ND	7.62	127	6.00	7.78	GC-NC1
Total BTEX	2.92	0.300	10/01/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 149 % 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	3400	16.0	10/01/2024	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*	201	10.0	10/01/2024	ND	206	103	200	0.00581	
DRO >C10-C28*	2470	10.0	10/01/2024	ND	197	98.4	200	3.85	
EXT DRO >C28-C36	553	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: TP - 3 3' (H245921-09)

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	10/01/2024	ND	2.06	103	2.00	2.66		
Toluene*	<0.050	0.050	10/01/2024	ND	2.26	113	2.00	3.20		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.49	125	2.00	6.32		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	7.62	127	6.00	7.78		
Total BTEX	<0.300	0.300	10/01/2024	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	512	16.0	10/01/2024	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	10/01/2024	ND	206	103	200	0.00581	
DRO >C10-C28*	54.4	10.0	10/01/2024	ND	197	98.4	200	3.85	
EXT DRO >C28-C36	31.3	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: TP - 4 1' (H245921-10)

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	10/01/2024	ND	2.06	103	2.00	2.66		
Toluene*	<0.050	0.050	10/01/2024	ND	2.26	113	2.00	3.20		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.49	125	2.00	6.32		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	7.62	127	6.00	7.78		
Total BTEX	<0.300	0.300	10/01/2024	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	880	16.0	10/01/2024	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	10/01/2024	ND	206	103	200	0.00581	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	197	98.4	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: TP - 4 2' (H245921-11)

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	10/01/2024	ND	2.06	103	2.00	2.66		
Toluene*	<0.050	0.050	10/01/2024	ND	2.26	113	2.00	3.20		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.49	125	2.00	6.32		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	7.62	127	6.00	7.78		
Total BTEx	<0.300	0.300	10/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	3080	16.0	10/01/2024	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	10/01/2024	ND	206	103	200	0.00581	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	197	98.4	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: TP - 4 3' (H245921-12)

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	10/01/2024	ND	2.06	103	2.00	2.66		
Toluene*	<0.050	0.050	10/01/2024	ND	2.26	113	2.00	3.20		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.49	125	2.00	6.32		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	7.62	127	6.00	7.78		
Total BTEx	<0.300	0.300	10/01/2024	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	144	16.0	10/01/2024	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	10/01/2024	ND	179	89.6	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	179	89.6	200	5.60	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H 6 - A 0-6" (H245921-13)

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	10/01/2024	ND	2.06	103	2.00	2.66		
Toluene*	<0.050	0.050	10/01/2024	ND	2.26	113	2.00	3.20		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.49	125	2.00	6.32		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	7.62	127	6.00	7.78		
Total BTX	<0.300	0.300	10/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	10/01/2024	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	10/01/2024	ND	179	89.6	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	179	89.6	200	5.60	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 68.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H 7 - A 0-6" (H245921-14)

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	10/01/2024	ND	2.06	103	2.00	2.66		
Toluene*	<0.050	0.050	10/01/2024	ND	2.26	113	2.00	3.20		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.49	125	2.00	6.32		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	7.62	127	6.00	7.78		
Total BTEX	<0.300	0.300	10/01/2024	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	10/01/2024	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	10/01/2024	ND	179	89.6	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	179	89.6	200	5.60	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 64.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 09/30/2024
 Reported: 10/04/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 - 2ND SPILL
 Project Location: DEVON LEA CO., NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H 8 - A 0-6" (H245921-15)

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	10/01/2024	ND	2.06	103	2.00	2.66		
Toluene*	<0.050	0.050	10/01/2024	ND	2.26	113	2.00	3.20		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.49	125	2.00	6.32		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	7.62	127	6.00	7.78		
Total BTEX	<0.300	0.300	10/01/2024	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	32.0	16.0	10/01/2024	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	10/01/2024	ND	179	89.6	200	2.52	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	179	89.6	200	5.60	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 59.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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

Company Name: NTGE				BILL TO				ANALYSIS REQUEST											
Project Manager: Ethan Sessums				P.O. #: 21352959															
Address: 209 West McKay St				Company: Devon															
City: Carlsbad State: NM Zip: 88220				Attn:															
Phone #: _____ Fax #: _____				Address:															
Project #: 248769 Project Owner: Devon				City:															
Project Name: Jayhawk 6 CTB 2 2nd spill				State: _____ Zip: _____															
Project Location: Lea County				Phone #: _____															
Sampler Name: Clayton T				Fax #: _____															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME					
H245921																			
1	TP-1	1'	6			X							9/30						
2	TP-1	2'																	
3	TP-1	3'																	
4	TP-2	1'																	
5	TP-2	2'																	
6	TP-2	3'																	
7	TP-3	1'																	
8	TP-3	2'																	
9	TP-3	3'																	
10	TP-4	1'																	

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Relinquished By:	Date: 9/30	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: 1:39	Received By:	All Results are emailed. Please provide Email address:
Relinquished By:	Date: 9-30-24	Received By:	REMARKS:
Relinquished By:	Time: 1:34B	Received By:	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: 35 Corrected Temp. °C: 29.2	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
FORM-000 R 5.3 06/03/24	CHECKED BY: (Initials) PP	Thermometer ID #140 Correction Factor -0.6°C	Observed Temp. °C Corrected Temp. °C

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGE				BILL TO				ANALYSIS REQUEST														
Project Manager: Ethan Sessums				P.O. #: 21352959				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> </div>														
Address: 209 West McKay St				Company: Devon																		
City: Carksbael State: NM Zip: 88220				Attn:																		
Phone #: _____ Fax #: _____				Address:																		
Project #: 248769 Project Owner: Devon				City:																		
Project Name: Jayhawk 6 CTB 2 2nd Spill				State: _____ Zip: _____																		
Project Location: Lea County				Phone #: _____																		
Sampler Name: Chayton				Fax #: _____																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME								
H245921																						
11	TP-4	2'	G			X							9/30									
12	TP-4	3'																				
13	H6-A	0-6"																				
14	H7-A	0-6"																				
15	H8-A	0-6"																				

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Relinquished By:	Date: 9/30	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: 1:39	Received By:	All Results are emailed. Please provide Email address:
Relinquished By:	Date: 9/30/24	Received By:	REMARKS:
Relinquished By:	Time: 1:43	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 35.0 Corrected Temp. °C 29.0	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C
FORM-000-R 3.3 06/03/24	CHECKED BY: (Initials) AP		Thermometer ID #140 Correction Factor -0.6°C

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

November 05, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: JAYHAWK 6 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 10/30/24 12:16.

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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 10/30/2024
 Reported: 11/05/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 (2ND SPILL)
 Project Location: DEVON LEA CO., NM

Sampling Date: 10/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 2 4' (H246613-01)

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	11/03/2024	ND	2.05	103	2.00	3.96		
Toluene*	<0.050	0.050	11/03/2024	ND	1.95	97.6	2.00	1.29		
Ethylbenzene*	<0.050	0.050	11/03/2024	ND	2.00	99.8	2.00	0.175		
Total Xylenes*	<0.150	0.150	11/03/2024	ND	5.89	98.2	6.00	1.12		
Total BTX	<0.300	0.300	11/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	32.0	16.0	11/01/2024	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	11/01/2024	ND	197	98.6	200	2.23	
DRO >C10-C28*	98.2	10.0	11/01/2024	ND	177	88.4	200	4.35	
EXT DRO >C28-C36	18.3	10.0	11/01/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 10/30/2024
 Reported: 11/05/2024
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769 (2ND SPILL)
 Project Location: DEVON LEA CO., NM

Sampling Date: 10/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 2 5' (H246613-02)

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	11/03/2024	ND	2.05	103	2.00	3.96		
Toluene*	<0.050	0.050	11/03/2024	ND	1.95	97.6	2.00	1.29		
Ethylbenzene*	<0.050	0.050	11/03/2024	ND	2.00	99.8	2.00	0.175		
Total Xylenes*	<0.150	0.150	11/03/2024	ND	5.89	98.2	6.00	1.12		
Total BTEx	<0.300	0.300	11/03/2024	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	32.0	16.0	11/01/2024	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	11/01/2024	ND	197	98.6	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	177	88.4	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 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 "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: NTGE				BILL TO				ANALYSIS REQUEST																		
Project Manager: Ethan Sessums				P.O. #: 21406728																						
Address: 209 West McKay St				Company: Devon																						
City: Carlsbad State: NM Zip: 88220				Attn:																						
Phone #: Fax #:				Address:																						
Project #: 248769 Project Owner:				City:																						
Project Name: Jayhawk 6 CTB 2 (2nd Spill)				State: Zip:																						
Project Location: Lea County				Phone #: Fax #:																						
Sampler Name: Clayton T																										
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
HAWK13	TP-2 4'	6-1	1			X							10/30													
2	TP-2 5'	6-1	1			X							10/30													

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Relinquished By:	Date: 10/30	Received By: S. Rodriguez	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: 12:16			All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
Time:			
Delivered By: (Circle One)	Observed Temp. °C 1.8	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) SR
Sampler - UPS - Bus - Other:	Corrected Temp. °C 1.2		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
			Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
			Thermometer ID #140 Correction Factor -0.6°C

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



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

January 27, 2025

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: JAYHAWK 6 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 01/21/25 13:00.

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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 1 (H250350-01)

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	01/23/2025	ND	1.77	88.7	2.00	1.18	
Toluene*	<0.050	0.050	01/23/2025	ND	1.81	90.6	2.00	1.28	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.92	95.8	2.00	1.31	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.65	94.1	6.00	1.35	
Total BTEX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	64.0	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	188	93.9	200	9.13	
DRO >C10-C28*	15.8	10.0	01/23/2025	ND	182	90.9	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 2 (H250350-02)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04	QM-07	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04	QM-07	
Total BTEx	<0.300	0.300	01/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	400	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	188	93.9	200	9.13	
DRO >C10-C28*	38.5	10.0	01/23/2025	ND	182	90.9	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 3 (H250350-03)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTEX	<0.300	0.300	01/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	01/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	188	93.9	200	9.13	
DRO >C10-C28*	46.2	10.0	01/23/2025	ND	182	90.9	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 4 (H250350-04)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTX	<0.300	0.300	01/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	1220	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	188	93.9	200	9.13	
DRO >C10-C28*	866	10.0	01/23/2025	ND	182	90.9	200	10.3	
EXT DRO >C28-C36	139	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 5 (H250350-05)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTEX	<0.300	0.300	01/24/2025	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	8800	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	188	93.9	200	9.13	
DRO >C10-C28*	117	10.0	01/23/2025	ND	182	90.9	200	10.3	
EXT DRO >C28-C36	14.5	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 6 (H250350-06)

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	01/24/2025	ND	2.20	110	2.00	2.41	
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04	
Total BTX	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	1460	16.0	01/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	188	93.9	200	9.13	
DRO >C10-C28*	185	10.0	01/23/2025	ND	182	90.9	200	10.3	
EXT DRO >C28-C36	17.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 7 (H250350-07)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTX	<0.300	0.300	01/24/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	188	93.9	200	9.13	
DRO >C10-C28*	31.4	10.0	01/23/2025	ND	182	90.9	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 8 (H250350-08)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTEx	<0.300	0.300	01/24/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	188	93.9	200	9.13	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	182	90.9	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 9 (H250350-09)

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	01/24/2025	ND	2.20	110	2.00	2.41	
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13	
Ethylbenzene*	0.055	0.050	01/24/2025	ND	2.46	123	2.00	2.04	GC-NC1
Total Xylenes*	0.797	0.150	01/24/2025	ND	7.57	126	6.00	2.04	
Total BTEX	0.852	0.300	01/24/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9800	16.0	01/24/2025	ND	400	100	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*	80.4	10.0	01/23/2025	ND	188	93.9	200	9.13	
DRO >C10-C28*	8390	10.0	01/23/2025	ND	182	90.9	200	10.3	
EXT DRO >C28-C36	1190	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 185 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 10 (H250350-10)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2025	ND	2.20	110	2.00	2.41	
Toluene*	0.901	0.050	01/24/2025	ND	2.27	113	2.00	2.13	GC-NC1
Ethylbenzene*	0.881	0.050	01/24/2025	ND	2.46	123	2.00	2.04	GC-NC1
Total Xylenes*	15.0	0.150	01/24/2025	ND	7.57	126	6.00	2.04	
Total BTX	16.8	0.300	01/24/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 291 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	01/24/2025	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1060	100	01/24/2025	ND	220	110	200	2.10	QM-07, QR-03
DRO >C10-C28*	36800	100	01/24/2025	ND	197	98.3	200	3.93	QM-07
EXT DRO >C28-C36	6450	100	01/24/2025	ND					

Surrogate: 1-Chlorooctane 367 % 48.2-134

Surrogate: 1-Chlorooctadecane 675 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 11 (H250350-11)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2025	ND	2.20	110	2.00	2.41	
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04	
Total Xylenes*	0.335	0.150	01/24/2025	ND	7.57	126	6.00	2.04	
Total BTEX	0.335	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 145 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: KV	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/24/2025	ND	400	100	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*	154	50.0	01/24/2025	ND	220	110	200	2.10	S-06
DRO >C10-C28*	16000	50.0	01/24/2025	ND	197	98.3	200	3.93	S-06
EXT DRO >C28-C36	2660	50.0	01/24/2025	ND					S-06

Surrogate: 1-Chlorooctane 148 % 48.2-134

Surrogate: 1-Chlorooctadecane 300 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 12 (H250350-12)

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2025	ND	2.20	110	2.00	2.41	
Toluene*	0.063	0.050	01/24/2025	ND	2.27	113	2.00	2.13	GC-NC1
Ethylbenzene*	0.213	0.050	01/24/2025	ND	2.46	123	2.00	2.04	GC-NC1
Total Xylenes*	3.55	0.150	01/24/2025	ND	7.57	126	6.00	2.04	
Total BTX	3.82	0.300	01/24/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 170 % 71.5-134

Chloride, SM4500CI-B			mg/kg					Analyzed By: KV	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8160	16.0	01/24/2025	ND	400	100	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*	361	100	01/24/2025	ND	220	110	200	2.10	S-06
DRO >C10-C28*	21500	100	01/24/2025	ND	197	98.3	200	3.93	S-06
EXT DRO >C28-C36	3670	100	01/24/2025	ND					S-06

Surrogate: 1-Chlorooctane 150 % 48.2-134

Surrogate: 1-Chlorooctadecane 367 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 13 (H250350-13)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTEx	<0.300	0.300	01/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5320	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	2470	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	514	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 78.4 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 14 (H250350-14)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTEx	<0.300	0.300	01/24/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	1360	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	288	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 15 (H250350-15)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTX	<0.300	0.300	01/24/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	286	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	63.7	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 16 (H250350-16)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTEx	<0.300	0.300	01/24/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	625	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	158	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 17 (H250350-17)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTX	<0.300	0.300	01/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18000	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	87.5	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	16.2	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 18 (H250350-18)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTEx	<0.300	0.300	01/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	21400	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	81.2	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	14.2	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 19 (H250350-19)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTX	<0.300	0.300	01/24/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20800	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	623	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	156	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 20 (H250350-20)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTEX	<0.300	0.300	01/24/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18000	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	101	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	21.3	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 21 (H250350-21)

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	01/24/2025	ND	2.20	110	2.00	2.41		
Toluene*	<0.050	0.050	01/24/2025	ND	2.27	113	2.00	2.13		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.46	123	2.00	2.04		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	7.57	126	6.00	2.04		
Total BTEx	<0.300	0.300	01/24/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32800	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	21.7	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 22 (H250350-22)

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	01/23/2025	ND	2.03	101	2.00	13.8		
Toluene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	13.8		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.10	105	2.00	14.4		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.37	106	6.00	15.0		
Total BTEx	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	41600	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	66.2	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	10.2	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 23 (H250350-23)

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	01/23/2025	ND	2.03	101	2.00	13.8		
Toluene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	13.8		
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.10	105	2.00	14.4		
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.37	106	6.00	15.0		
Total BTEx	<0.300	0.300	01/23/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	36400	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.6 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 24 (H250350-24)

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	01/23/2025	ND	2.03	101	2.00	13.8	
Toluene*	<0.050	0.050	01/23/2025	ND	2.04	102	2.00	13.8	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	2.10	105	2.00	14.4	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	6.37	106	6.00	15.0	
Total BTX	<0.300	0.300	01/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	52400	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	211	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	52.9	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 1 (H250350-25)

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	01/24/2025	ND	2.03	101	2.00	13.8	
Toluene*	<0.050	0.050	01/24/2025	ND	2.04	102	2.00	13.8	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.10	105	2.00	14.4	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.37	106	6.00	15.0	
Total BTX	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	47.4	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.2 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 2 (H250350-26)

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	01/24/2025	ND	2.03	101	2.00	13.8	
Toluene*	<0.050	0.050	01/24/2025	ND	2.04	102	2.00	13.8	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.10	105	2.00	14.4	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.37	106	6.00	15.0	
Total BTEx	<0.300	0.300	01/24/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/24/2025	ND	400	100	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	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 3 (H250350-27)

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	01/24/2025	ND	2.03	101	2.00	13.8	
Toluene*	<0.050	0.050	01/24/2025	ND	2.04	102	2.00	13.8	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.10	105	2.00	14.4	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.37	106	6.00	15.0	
Total BTEx	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	384	16.0	01/24/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	132	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	12.9	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 4 (H250350-28)

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	01/24/2025	ND	2.03	101	2.00	13.8	
Toluene*	<0.050	0.050	01/24/2025	ND	2.04	102	2.00	13.8	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.10	105	2.00	14.4	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.37	106	6.00	15.0	
Total BTEx	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	64.0	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 5 (H250350-29)

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	01/24/2025	ND	2.03	101	2.00	13.8		
Toluene*	<0.050	0.050	01/24/2025	ND	2.04	102	2.00	13.8		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.10	105	2.00	14.4		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.37	106	6.00	15.0		
Total BTEx	<0.300	0.300	01/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	2160	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	29.7	10.0	01/23/2025	ND	220	110	200	2.10	
DRO >C10-C28*	1840	10.0	01/23/2025	ND	197	98.3	200	3.93	
EXT DRO >C28-C36	314	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 6 (H250350-30)

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	01/24/2025	ND	2.03	101	2.00	13.8	
Toluene*	<0.050	0.050	01/24/2025	ND	2.04	102	2.00	13.8	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.10	105	2.00	14.4	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.37	106	6.00	15.0	
Total BTX	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	2960	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	199	99.5	200	2.72	
DRO >C10-C28*	283	10.0	01/23/2025	ND	193	96.7	200	0.639	
EXT DRO >C28-C36	44.4	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.9 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 7 (H250350-31)

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	01/24/2025	ND	2.03	101	2.00	13.8	
Toluene*	<0.050	0.050	01/24/2025	ND	2.04	102	2.00	13.8	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.10	105	2.00	14.4	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.37	106	6.00	15.0	
Total BTX	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	560	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	199	99.5	200	2.72	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	193	96.7	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 8 (H250350-32)

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	01/24/2025	ND	2.03	101	2.00	13.8	
Toluene*	<0.050	0.050	01/24/2025	ND	2.04	102	2.00	13.8	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.10	105	2.00	14.4	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.37	106	6.00	15.0	
Total BTEx	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	6160	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	199	99.5	200	2.72	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	193	96.7	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 9 (H250350-33)

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	01/24/2025	ND	2.03	101	2.00	13.8	
Toluene*	<0.050	0.050	01/24/2025	ND	2.04	102	2.00	13.8	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.10	105	2.00	14.4	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.37	106	6.00	15.0	
Total BTEx	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	9200	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	199	99.5	200	2.72	
DRO >C10-C28*	13.7	10.0	01/23/2025	ND	193	96.7	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 10 (H250350-34)

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	01/24/2025	ND	2.03	101	2.00	13.8		
Toluene*	<0.050	0.050	01/24/2025	ND	2.04	102	2.00	13.8		
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.10	105	2.00	14.4		
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.37	106	6.00	15.0		
Total BTEX	<0.300	0.300	01/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	3920	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	199	99.5	200	2.72	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	193	96.7	200	0.639	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/21/2025
 Reported: 01/27/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

Sampling Date: 01/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 11 (H250350-35)

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	01/24/2025	ND	2.03	101	2.00	13.8	
Toluene*	<0.050	0.050	01/24/2025	ND	2.04	102	2.00	13.8	
Ethylbenzene*	<0.050	0.050	01/24/2025	ND	2.10	105	2.00	14.4	
Total Xylenes*	<0.150	0.150	01/24/2025	ND	6.37	106	6.00	15.0	
Total BTEX	<0.300	0.300	01/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	80.0	16.0	01/24/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	201	101	200	0.943	
DRO >C10-C28*	66.6	10.0	01/23/2025	ND	204	102	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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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 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: NTGE		BILL TO		ANALYSIS REQUEST																					
Project Manager: Ethan Sessums		P.O. #: 21406728																							
Address: 209 West McKay St		Company: Devon																							
City: Carlsbad State: NM Zip: 88220		Attn:																							
Phone #: Fax #:		Address:																							
Project #: 248769 Project Owner: Devon		City:																							
Project Name: Jayhawk 6 CTB 2		State: Zip:																							
Project Location: Lea County		Phone #:																							
Sampler Name: Clayton T.		Fax #:																							
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING														
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME										
	H350350	CS-1	C	1			X							1/21	10:00	BTEX TPH Chloride									
	CS-2																								
	CS-3																								
	CS-4																								
	CS-5																								
	CS-6																								
	CS-7																								
	CS-8																								
	CS-9																								
	CS-10																								

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Relinquished By:	Date: 1/21 Time: 12:56	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date: 1/21/25 Time: 1:20	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 41.2 Corrected Temp. °C: 35.2	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Yes <input type="checkbox"/> No <input type="checkbox"/> No
CHECKED BY: (Initials) PDD		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C: <input type="checkbox"/> Yes <input type="checkbox"/> No
Thermometer ID #140 Correction Factor -0.6°C			

FORM-000 R 3.0 08/03/24

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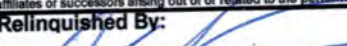
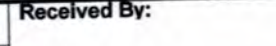


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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 39 of 41

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Relinquished By: 		Date: 1/21	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 12:57				All Results are emailed. Please provide Email address:	
Relinquished By: 		Date: 1-21-25	Received By:	REMARKS:	
Time: 1:00					
Delivered By: (Circle One)	Observed Temp. °C 41.2	Sample Condition Cool Intact	CHECKED BY: (Initials) 	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 35.2	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140 Correction Factor -0.6°C	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

~~FORM-000 R 3.5 06/05/24~~

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 40 of 41

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGE				BILL TO				ANALYSIS REQUEST													
Project Manager: Ethan Sessums				P.O. #: 21406728																	
Address: 209 West McKay St				Company: Devon																	
City: Carlsbad State: NM Zip: 88220				Attn:																	
Phone #: _____ Fax #: _____				Address:																	
Project #: 248769 Project Owner: Devon				City:																	
Project Name: Jayhawk 6 CTB 2				State: _____ Zip: _____																	
Project Location: Lea County				Phone #: _____																	
Sampler Name: Clayton T.				Fax #: _____																	
FOR LAB USE ONLY				MATRIX		PRESERV		SAMPLING													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER												
H250350		C	1			X							1/21	10:00							
31	SW-7																				
32	SW-8																				
33	SW-9																				
34	SW-10																				
35	SW-11																				

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Relinquished By:		Date: 1/21		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: 12:47				All Results are emailed. Please provide Email address:	
Relinquished By:		Date: 1/21		Received By:		REMARKS:	
		Time: 1:00					
Delivered By: (Circle One)		Observed Temp. °C 4.5		Sample Condition		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 3.5		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition	
				Checked By: (Initials) AD		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
						Observed Temp. °C	
						Corrected Temp. °C	

FORM 006 R 3.0 08/03/24

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February 11, 2025

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: JAYHAWK 6 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 02/06/25 15:01.

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



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 4	H250741-01	Soil	06-Feb-25 00:00	06-Feb-25 15:01
CS - 5	H250741-02	Soil	06-Feb-25 00:00	06-Feb-25 15:01
CS - 6	H250741-03	Soil	06-Feb-25 00:00	06-Feb-25 15:01
CS - 8	H250741-04	Soil	06-Feb-25 00:00	06-Feb-25 15:01
CS - 25	H250741-05	Soil	06-Feb-25 00:00	06-Feb-25 15:01
SW - 3A	H250741-06	Soil	06-Feb-25 00:00	06-Feb-25 15:01
SW - 5A	H250741-07	Soil	06-Feb-25 00:00	06-Feb-25 15:01
SW - 8A	H250741-08	Soil	06-Feb-25 00:00	06-Feb-25 15:01
SW - 12	H250741-09	Soil	06-Feb-25 00:00	06-Feb-25 15:01
SW - 13	H250741-10	Soil	06-Feb-25 00:00	06-Feb-25 15:01
SW - 14	H250741-11	Soil	06-Feb-25 00:00	06-Feb-25 15:01
SW - 15	H250741-12	Soil	06-Feb-25 00:00	06-Feb-25 15:01

02/11/25 - Client changed the sample IDs for -06, -07 and -08 (see COC). This is the revised report and will replace the one sent earlier today, 02/11/25.

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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

CS - 4
H250741-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5020736	HM	07-Feb-25	4500-Cl-B	
----------	-------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020701	JH	07-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134 5020701 JH 07-Feb-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	

Surrogate: 1-Chlorooctane 99.8 % 48.2-134 5020642 MS 07-Feb-25 8015B

Surrogate: 1-Chlorooctadecane 115 % 49.1-148 5020642 MS 07-Feb-25 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:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

CS - 5
H250741-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5020736	HM	07-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020701	JH	07-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			92.9 %		71.5-134	5020701	JH	07-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	

Surrogate: 1-Chlorooctane			107 %		48.2-134	5020642	MS	07-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			121 %		49.1-148	5020642	MS	07-Feb-25	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:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

CS - 6**H250741-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5020736	HM	07-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020701	JH	07-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.4 %		71.5-134	5020701	JH	07-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	

Surrogate: 1-Chlorooctane			104 %		48.2-134	5020642	MS	07-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			116 %		49.1-148	5020642	MS	07-Feb-25	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:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

CS - 8**H250741-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	5020736	HM	07-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020701	JH	07-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134 5020701 JH 07-Feb-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	

Surrogate: 1-Chlorooctane 110 % 48.2-134 5020642 MS 07-Feb-25 8015B

Surrogate: 1-Chlorooctadecane 123 % 49.1-148 5020642 MS 07-Feb-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

CS - 25
H250741-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5020736	HM	07-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020701	JH	07-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.2 %		71.5-134	5020701	JH	07-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	

Surrogate: 1-Chlorooctane			107 %		48.2-134	5020642	MS	07-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			119 %		49.1-148	5020642	MS	07-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

SW - 3A
H250741-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5020736	HM	07-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020701	JH	07-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134 5020701 JH 07-Feb-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020642	MS	07-Feb-25	8015B	

Surrogate: 1-Chlorooctane 107 % 48.2-134 5020642 MS 07-Feb-25 8015B

Surrogate: 1-Chlorooctadecane 120 % 49.1-148 5020642 MS 07-Feb-25 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:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

SW - 5A
H250741-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5020736	HM	07-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020701	JH	07-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			93.0 %	71.5-134		5020701	JH	07-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	

Surrogate: 1-Chlorooctane			90.1 %	48.2-134		5020713	MS	07-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			88.5 %	49.1-148		5020713	MS	07-Feb-25	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:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

SW - 8A
H250741-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5020736	HM	07-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020701	JH	07-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.2 %	71.5-134		5020701	JH	07-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	

Surrogate: 1-Chlorooctane			90.0 %	48.2-134		5020713	MS	07-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			92.0 %	49.1-148		5020713	MS	07-Feb-25	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:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

SW - 12**H250741-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5020736	HM	07-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020701	JH	07-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			93.5 %	71.5-134		5020701	JH	07-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	

Surrogate: 1-Chlorooctane			104 %	48.2-134		5020713	MS	07-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	49.1-148		5020713	MS	07-Feb-25	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:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

SW - 13
H250741-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	5020736	HM	07-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020701	JH	07-Feb-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			94.5 %	71.5-134		5020701	JH	07-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.1 %	48.2-134		5020713	MS	07-Feb-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.6 %	49.1-148		5020713	MS	07-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

SW - 14**H250741-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5020736	HM	07-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020701	JH	07-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.7 %		71.5-134	5020701	JH	07-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	

Surrogate: 1-Chlorooctane			92.1 %		48.2-134	5020713	MS	07-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			92.4 %		49.1-148	5020713	MS	07-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

SW - 15
H250741-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5020736	HM	07-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020701	JH	07-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020701	JH	07-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			93.8 %		71.5-134	5020701	JH	07-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020713	MS	07-Feb-25	8015B	

Surrogate: 1-Chlorooctane			95.8 %		48.2-134	5020713	MS	07-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			95.2 %		49.1-148	5020713	MS	07-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5020736 - 1:4 DI Water										
Blank (5020736-BLK1)				Prepared & Analyzed: 07-Feb-25						
Chloride	ND	16.0	mg/kg							
LCS (5020736-BS1)				Prepared & Analyzed: 07-Feb-25						
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (5020736-BSD1)				Prepared & Analyzed: 07-Feb-25						
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	

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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5020701 - Volatiles**Blank (5020701-BLK1)**

Prepared & Analyzed: 07-Feb-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		92.7	71.5-134			

LCS (5020701-BS1)

Prepared & Analyzed: 07-Feb-25

Benzene	1.94	0.050	mg/kg	2.00		97.2	82.8-130			
Toluene	2.03	0.050	mg/kg	2.00		102	86-128			
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.7	85.9-128			
m,p-Xylene	3.77	0.100	mg/kg	4.00		94.3	89-129			
o-Xylene	1.90	0.050	mg/kg	2.00		95.2	86.1-125			
Total Xylenes	5.68	0.150	mg/kg	6.00		94.6	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0456		mg/kg	0.0500		91.2	71.5-134			

LCS Dup (5020701-BSD1)

Prepared & Analyzed: 07-Feb-25

Benzene	1.85	0.050	mg/kg	2.00		92.7	82.8-130	4.74	15.8	
Toluene	1.94	0.050	mg/kg	2.00		97.1	86-128	4.48	15.9	
Ethylbenzene	1.83	0.050	mg/kg	2.00		91.6	85.9-128	5.39	16	
m,p-Xylene	3.57	0.100	mg/kg	4.00		89.2	89-129	5.57	16.2	
o-Xylene	1.80	0.050	mg/kg	2.00		89.8	86.1-125	5.81	16.7	
Total Xylenes	5.36	0.150	mg/kg	6.00		89.4	88.2-128	5.65	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0453		mg/kg	0.0500		90.5	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5020642 - General Prep - Organics**Blank (5020642-BLK1)**

Prepared: 06-Feb-25 Analyzed: 10-Feb-25

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	55.4		mg/kg	50.0		111	48.2-134			
Surrogate: 1-Chlorooctadecane	58.0		mg/kg	50.0		116	49.1-148			

LCS (5020642-BS1)

Prepared: 06-Feb-25 Analyzed: 10-Feb-25

GRO C6-C10	213	10.0	mg/kg	200		107	81.5-123			
DRO >C10-C28	219	10.0	mg/kg	200		109	77.7-122			
Total TPH C6-C28	432	10.0	mg/kg	400		108	80.9-121			
Surrogate: 1-Chlorooctane	60.5		mg/kg	50.0		121	48.2-134			
Surrogate: 1-Chlorooctadecane	64.3		mg/kg	50.0		129	49.1-148			

LCS Dup (5020642-BS1)

Prepared: 06-Feb-25 Analyzed: 07-Feb-25

GRO C6-C10	210	10.0	mg/kg	200		105	81.5-123	1.63	13	
DRO >C10-C28	211	10.0	mg/kg	200		106	77.7-122	3.58	15.6	
Total TPH C6-C28	421	10.0	mg/kg	400		105	80.9-121	2.61	18.5	
Surrogate: 1-Chlorooctane	63.3		mg/kg	50.0		127	48.2-134			
Surrogate: 1-Chlorooctadecane	73.4		mg/kg	50.0		147	49.1-148			

Batch 5020713 - General Prep - Organics**Blank (5020713-BLK1)**

Prepared & Analyzed: 07-Feb-25

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	55.0		mg/kg	50.0		110	48.2-134			
Surrogate: 1-Chlorooctadecane	54.6		mg/kg	50.0		109	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: JAYHAWK 6 CTB 2
Project Number: 248769
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
11-Feb-25 15:47

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5020713 - General Prep - Organics**LCS (5020713-BS1)**

Prepared & Analyzed: 07-Feb-25

GRO C6-C10	210	10.0	mg/kg	200		105	81.5-123			
DRO >C10-C28	212	10.0	mg/kg	200		106	77.7-122			
Total TPH C6-C28	421	10.0	mg/kg	400		105	80.9-121			
Surrogate: 1-Chlorooctane	53.6		mg/kg	50.0		107	48.2-134			
Surrogate: 1-Chlorooctadecane	51.7		mg/kg	50.0		103	49.1-148			

LCS Dup (5020713-BS1)

Prepared & Analyzed: 07-Feb-25

GRO C6-C10	202	10.0	mg/kg	200		101	81.5-123	3.53	13	
DRO >C10-C28	203	10.0	mg/kg	200		102	77.7-122	4.09	15.6	
Total TPH C6-C28	406	10.0	mg/kg	400		101	80.9-121	3.81	18.5	
Surrogate: 1-Chlorooctane	54.8		mg/kg	50.0		110	48.2-134			
Surrogate: 1-Chlorooctadecane	52.8		mg/kg	50.0		106	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 cursive script, appearing to read "Celey D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H250741Page 1 of 2

Page 20 of 21

Project Manager:	Ethan Sessums	Bill to: (if different)	Jim Raley
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W. McKay St	Address:	
City, State ZIP:	Carlsbad, New Mexico, 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Supe <input type="checkbox"/>
State of Project:	
Reporting Level:	Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Ld <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other:

Project Name:	Jayhawk 6 CTB 2		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes				
Project Number:	248769		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H ₂ O			
Project Location:	Lea County, New Mexico		Due Date:	48hr																			Cool: Cool MeOH: Me			
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO ₃ : HN			
PO #:	21406728					HOLD																H ₂ SO ₄ : H ₂ NaOH: Na				
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:																	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID:		H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A																	Correction Factor:		NaHSO ₄ : NABIS		
			Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading:		Na ₂ S ₂ O ₃ : NaSO ₃																	
Total Containers:			12		Corrected Temperature:		1.6		Zn Acetate+NaOH: Zn																	
									NaOH+Ascorbic Acid: SAPC																	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments			
1 CS-4	2/6/2025		x		Comp	1	x	x	x																	
2 CS-5	2/6/2025		x		Comp	1	x	x	x																	
3 CS-6	2/6/2025		x		Comp	1	x	x	x																	
4 CS-8	2/6/2025		x		Comp	1	x	x	x																	
5 CS-25	2/6/2025		x		Comp	1	x	x	x																	
6 SW-3 A *	2/6/2025		x		Comp	1	x	x	x																	
7 SW-5 A	2/6/2025		x		Comp	1	x	x	x																	
8 SW-8 A	2/6/2025		x		Comp	1	x	x	x																	
9 SW-12	2/6/2025		x		Comp	1	x	x	x																	
10 SW-13	2/6/2025		x		Comp	1	x	x	x																	

Additional Comments: NMOCD ID:

*Customer requested ID changes to 2/11/25

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. Kenny Han	<i>[Signature]</i>	2/6/25 / 1501			
		6			
		2/11/25			



Chain of Custody

Work Order No: 1250741Page 2 of 2

Page 21 of 21

Project Manager:	Ethan Sessums	Bill to: (if different)	Jim Raley
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W. McKay St	Address:	
City, State ZIP:	Carlsbad, New Mexico, 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	

Work Order Comments	
Program: UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>	
State of Project:	
Reporting: Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Ld <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other:	

Project Name:	Jayhawk 6 CTB 2		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Project Number:	248769		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H ₂ O							
Project Location:	Lea County, New Mexico		Due Date: 48hr																				Cool: Cool MeOH: Me							
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO ₃ : HN							
PO #:	21406728				H ₂ SO ₄ : H ₂ NaOH: Na																									
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: #1110	Correction Factor: C+0.3	Temperature Reading: 1.3	Corrected Temperature: 1.0	H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC																Sample Comments		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																													
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A																													
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A																													
Total Containers:	12																													
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																								
11 SW-14	2/6/2025		x		Comp	1	x	x	x																					
12 SW-15	2/6/2025		x		Comp	1	x	x	x																					

Additional Comments: NMOCD ID:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Kenny Han	<i>[Signature]</i>	2/25/2025			
		6:40:25			



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

February 12, 2025

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: JAYHAWK 6 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 02/06/25 15:01.

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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 1 0-6 (H250742-01)

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	02/08/2025	ND	2.14	107	2.00	1.66	
Toluene*	1.40	1.00	02/08/2025	ND	2.22	111	2.00	2.77	
Ethylbenzene*	1.91	1.00	02/08/2025	ND	2.25	113	2.00	2.95	GC-NC1
Total Xylenes*	38.3	3.00	02/08/2025	ND	6.84	114	6.00	2.54	
Total BTX	41.6	6.00	02/08/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 139 % 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	48.0	16.0	02/10/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2160	100	02/11/2025	ND	192	96.0	200	0.908	QM-07, QR-03
DRO >C10-C28*	20900	100	02/11/2025	ND	193	96.3	200	0.659	QM-07, QR-03
EXT DRO >C28-C36	2960	100	02/11/2025	ND					

Surrogate: 1-Chlorooctane 226 % 48.2-134

Surrogate: 1-Chlorooctadecane 344 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 1 1-1.5 (H250742-02)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2025	ND	2.14	107	2.00	1.66	
Toluene*	0.238	0.050	02/08/2025	ND	2.22	111	2.00	2.77	
Ethylbenzene*	0.317	0.050	02/08/2025	ND	2.25	113	2.00	2.95	GC-NC1
Total Xylenes*	5.94	0.150	02/08/2025	ND	6.84	114	6.00	2.54	
Total BTEX	6.50	0.300	02/08/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 201 % 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	48.0	16.0	02/10/2025	ND	432	108	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*	514	10.0	02/10/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	4970	10.0	02/10/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	761	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane 159 % 48.2-134

Surrogate: 1-Chlorooctadecane 150 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 1 2-2.5 (H250742-03)

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	02/08/2025	ND	2.14	107	2.00	1.66		
Toluene*	<0.050	0.050	02/08/2025	ND	2.22	111	2.00	2.77		
Ethylbenzene*	<0.050	0.050	02/08/2025	ND	2.25	113	2.00	2.95		
Total Xylenes*	<0.150	0.150	02/08/2025	ND	6.84	114	6.00	2.54		
Total BTEx	<0.300	0.300	02/08/2025	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	816	16.0	02/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/10/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane 107 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 1 3-3.5 (H250742-04)

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	02/08/2025	ND	2.14	107	2.00	1.66		
Toluene*	<0.050	0.050	02/08/2025	ND	2.22	111	2.00	2.77		
Ethylbenzene*	<0.050	0.050	02/08/2025	ND	2.25	113	2.00	2.95		
Total Xylenes*	<0.150	0.150	02/08/2025	ND	6.84	114	6.00	2.54		
Total BTEX	<0.300	0.300	02/08/2025	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	224	16.0	02/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/10/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 1 4-4.5 (H250742-05)

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	02/08/2025	ND	2.14	107	2.00	1.66		
Toluene*	<0.050	0.050	02/08/2025	ND	2.22	111	2.00	2.77		
Ethylbenzene*	<0.050	0.050	02/08/2025	ND	2.25	113	2.00	2.95		
Total Xylenes*	<0.150	0.150	02/08/2025	ND	6.84	114	6.00	2.54		
Total BTEx	<0.300	0.300	02/08/2025	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	16.0	16.0	02/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/10/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 2 0-6 (H250742-06)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	02/08/2025	ND	2.14	107	2.00	1.66	
Toluene*	1.39	1.00	02/08/2025	ND	2.22	111	2.00	2.77	
Ethylbenzene*	2.02	1.00	02/08/2025	ND	2.25	113	2.00	2.95	GC-NC1
Total Xylenes*	36.2	3.00	02/08/2025	ND	6.84	114	6.00	2.54	
Total BTEX	39.6	6.00	02/08/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 143 % 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	02/10/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2580	100	02/11/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	24900	100	02/11/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	3540	100	02/11/2025	ND					

Surrogate: 1-Chlorooctane 271 % 48.2-134

Surrogate: 1-Chlorooctadecane 426 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 2 1-1.5 (H250742-07)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2025	ND	2.14	107	2.00	1.66	
Toluene*	0.309	0.050	02/08/2025	ND	2.22	111	2.00	2.77	
Ethylbenzene*	0.447	0.050	02/08/2025	ND	2.25	113	2.00	2.95	GC-NC1
Total Xylenes*	8.14	0.150	02/08/2025	ND	6.84	114	6.00	2.54	
Total BTX	8.90	0.300	02/08/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 225 % 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	48.0	16.0	02/10/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	317	10.0	02/10/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	3620	10.0	02/10/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	601	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane 127 % 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 2 2-2.5 (H250742-08)

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	02/08/2025	ND	2.14	107	2.00	1.66		
Toluene*	<0.050	0.050	02/08/2025	ND	2.22	111	2.00	2.77		
Ethylbenzene*	<0.050	0.050	02/08/2025	ND	2.25	113	2.00	2.95		
Total Xylenes*	<0.150	0.150	02/08/2025	ND	6.84	114	6.00	2.54		
Total BTEx	<0.300	0.300	02/08/2025	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	1490	16.0	02/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/10/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 2 3-3.5 (H250742-09)

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	02/08/2025	ND	2.14	107	2.00	1.66		
Toluene*	<0.050	0.050	02/08/2025	ND	2.22	111	2.00	2.77		
Ethylbenzene*	<0.050	0.050	02/08/2025	ND	2.25	113	2.00	2.95		
Total Xylenes*	<0.150	0.150	02/08/2025	ND	6.84	114	6.00	2.54		
Total BTEX	<0.300	0.300	02/08/2025	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	624	16.0	02/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/10/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 2 4-4.5 (H250742-10)

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	02/08/2025	ND	2.14	107	2.00	1.66		
Toluene*	<0.050	0.050	02/08/2025	ND	2.22	111	2.00	2.77		
Ethylbenzene*	<0.050	0.050	02/08/2025	ND	2.25	113	2.00	2.95		
Total Xylenes*	<0.150	0.150	02/08/2025	ND	6.84	114	6.00	2.54		
Total BTEX	<0.300	0.300	02/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	16.0	16.0	02/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/10/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 3 0-6 (H250742-11)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	02/08/2025	ND	2.14	107	2.00	1.66	
Toluene*	2.23	2.00	02/08/2025	ND	2.22	111	2.00	2.77	
Ethylbenzene*	2.96	2.00	02/08/2025	ND	2.25	113	2.00	2.95	GC-NC1
Total Xylenes*	57.9	6.00	02/08/2025	ND	6.84	114	6.00	2.54	
Total BTEX	63.1	12.0	02/08/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 135 % 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	144	16.0	02/10/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2920	100	02/11/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	25600	100	02/11/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	3590	100	02/11/2025	ND					

Surrogate: 1-Chlorooctane 875 % 48.2-134

Surrogate: 1-Chlorooctadecane 520 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 3 1-1.5 (H250742-12)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2025	ND	2.14	107	2.00	1.66	
Toluene*	0.428	0.050	02/09/2025	ND	2.22	111	2.00	2.77	
Ethylbenzene*	0.918	0.050	02/09/2025	ND	2.25	113	2.00	2.95	GC-NC1
Total Xylenes*	10.3	0.150	02/09/2025	ND	6.84	114	6.00	2.54	
Total BTEX	11.7	0.300	02/09/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 265 % 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	02/10/2025	ND	432	108	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*	402	10.0	02/10/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	4350	10.0	02/10/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	673	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 154 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 3 2-2.5 (H250742-13)

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	02/08/2025	ND	2.06	103	2.00	6.20		
Toluene*	<0.050	0.050	02/08/2025	ND	2.21	110	2.00	6.48		
Ethylbenzene*	<0.050	0.050	02/08/2025	ND	2.17	109	2.00	6.30		
Total Xylenes*	<0.150	0.150	02/08/2025	ND	6.66	111	6.00	6.25		
Total BTX	<0.300	0.300	02/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	02/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/10/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 3 3-3.5 (H250742-14)

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	02/08/2025	ND	2.06	103	2.00	6.20		
Toluene*	<0.050	0.050	02/08/2025	ND	2.21	110	2.00	6.48		
Ethylbenzene*	<0.050	0.050	02/08/2025	ND	2.17	109	2.00	6.30		
Total Xylenes*	<0.150	0.150	02/08/2025	ND	6.66	111	6.00	6.25		
Total BTEX	<0.300	0.300	02/08/2025	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	608	16.0	02/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/10/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2025
 Reported: 02/12/2025
 Project Name: JAYHAWK 6 CTB 2
 Project Number: 248769
 Project Location: DEVON LEA CO., NM

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

Sample ID: DV - 3 4-4.5 (H250742-15)

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	02/08/2025	ND	2.06	103	2.00	6.20		
Toluene*	<0.050	0.050	02/08/2025	ND	2.21	110	2.00	6.48		
Ethylbenzene*	<0.050	0.050	02/08/2025	ND	2.17	109	2.00	6.30		
Total Xylenes*	<0.150	0.150	02/08/2025	ND	6.66	111	6.00	6.25		
Total BTEx	<0.300	0.300	02/08/2025	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	<16.0	16.0	02/10/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2025	ND	192	96.0	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/10/2025	ND	193	96.3	200	0.659	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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

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



Chain of Custody

Work Order No: 4350742Page 1 of 2

Page 18 of 19

Project Manager:	Ethan Sessums	Bill to: (if different)	Jim Raley
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W. McKay St	Address:	
City, State ZIP:	Carlsbad, New Mexico, 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>
State of Project:	
Reporting Level:	Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other:

Project Name:		Jayhawk 6 CTB 2		Turn Around				ANALYSIS REQUEST												Preservative Codes									
Project Number:		248769		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H ₂ O									
Project Location:		Lea County, New Mexico		Due Date:																Cool: Cool MeOH: Me									
Sampler's Name:		Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO ₃ : HN									
PO #:		21406728																		H ₂ SO ₄ : H ₂ NaOH: Na									
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ : HP							
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		#116														NaHSO ₄ : NABIS									
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor:		C+0.3														Na ₂ S ₂ O ₅ : NaSO ₃									
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading:		1.3														Zn Acetate+NaOH: Zn									
Total Containers:		15		Corrected Temperature:		1.6														NaOH+Ascorbic Acid: SAPC									
Sample Identification		FT (bgs)		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
1 DV-1		0-6		2/6/2025				X				Grab/		1		X X X													
2 DV-1		1-1.5		2/6/2025				X				Grab/		1		X X X													
3 DV-1		2-2.5		2/6/2025				X				Grab/		1		X X X													
4 DV-1		3-3.5		2/6/2025				X				Grab/		1		X X X													
5 DV-1		4-4.5		2/6/2025				X				Grab/		1		X X X													
6 DV-2		0-6		2/6/2025				X				Grab/		1		X X X													
7 DV-2		1-1.5		2/6/2025				X				Grab/		1		X X X													
8 DV-2		2-2.5		2/6/2025				X				Grab/		1		X X X													
9 DV-2		3-3.5		2/6/2025				X				Grab/		1		X X X													
10 DV-2		4-4.5		2/6/2025				X				Grab/		1		X X X													

Additional Comments: NMOCD ID:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2/6/25/1501	2		
3			4		
5			6		



Chain of Custody

Work Order No: 11250742Page 2 of 2

Page 19 of 19

Project Manager:	Ethan Sessums	Bill to: (if different)	Jim Raley
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W. McKay St	Address:	
City, State ZIP:	Carlsbad, New Mexico, 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	

Work Order Comments	
Program: UST/PS <input type="checkbox"/>	PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>
State of Project:	
Reporting: Level <input type="checkbox"/>	Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Ld <input type="checkbox"/>
Deliverables: EDD <input type="checkbox"/>	ADaP <input type="checkbox"/> Other:

Project Name:		Jayhawk 6 CTB 2		Turn Around				ANALYSIS REQUEST												Preservative Codes									
Project Number:		248769		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H ₂ O									
Project Location		Lea County, New Mexico		Due Date:																Cool: Cool MeOH: Me									
Sampler's Name:		Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO ₃ : HN									
PO #:		21406728																		H ₂ SO ₄ : H ₂ NaOH: Na									
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ : HP							
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		#110														NaHSO ₄ : NABIS									
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor:		C+0.30														Na ₂ S ₂ O ₃ : NaSO ₃									
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading:		1.3°C														Zn Acetate+NaOH: Zn									
Total Containers:		15		Corrected Temperature:		1.0°C														NaOH+Ascorbic Acid: SAPC									
Sample Identification		FT (bgs)		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
11 DV-3		0-6		2/6/2025				X				Grab/		1		X X X													
12 DV-3		1-1.5		2/6/2025				X				Grab/		1		X X X													
13 DV-3		2-2.5		2/6/2025				X				Grab/		1		X X X													
14 DV-3		3-3.5		2/6/2025				X				Grab/		1		X X X													
15 DV-3		4-4.5		2/6/2025				X				Grab/		1		X X X													

Additional Comments: NMOCD ID:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2-12-25/1501	2		
3			4		
5			6		

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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 434495

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 434495
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425352259
Incident Name	NAPP2425352259 JAYHAWK 6 CTB 2 @ 0
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2130256531] JAYHAWK 6 CTB 2

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JAYHAWK 6 CTB 2
Date Release Discovered	09/09/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Separator Crude Oil Released: 8 BBL Recovered: 2 BBL Lost: 6 BBL.
Produced Water Released (bbls) Details	Not answered.
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)	INLET LINE ON SEPARATOR DEVELOPED A PINHOLE LEAK. 7.5 BBLS OIL SPILLED IN SEPARATOR SKID AND ON THE PAD. 1.5 BBLS RECOVERED.

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QUESTIONS, Page 2

Action 434495

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 434495
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 02/24/2025
--	--

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QUESTIONS, Page 3

Action 434495

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 434495
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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 ½ and 1 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<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)	52400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	44266
GRO+DRO (EPA SW-846 Method 8015M)	37816
BTEX (EPA SW-846 Method 8021B or 8260B)	261
Benzene (EPA SW-846 Method 8021B or 8260B)	7.5

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	01/13/2025
On what date will (or did) the final sampling or liner inspection occur	02/06/2025
On what date will (or was) the remediation complete(d)	02/10/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	4604
What is the estimated volume (in cubic yards) that will be remediated	195

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 434495

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 434495
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<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: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 02/24/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 434495

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 434495
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Impacted soils is directly under production flow lines and separators
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	4448
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	659
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	JAYHAWK 6 CTB 2 [fAPP2130256531]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dv.com Date: 02/24/2025

Sante Fe Main Office
Phone: (505) 476-3441

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QUESTIONS, Page 6

Action 434495

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 434495
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	426825
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/06/2025
What was the (estimated) number of samples that were to be gathered	15
What was the sampling surface area in square feet	1200

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
--	----

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CONDITIONS

Action 434495

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 434495
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	6/5/2025