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Closure Report

Jack Sleeper Com 19 16 23S 28E #121H
Eddy, New Mexico
Incident # **nAPP2216854617**
N-04-23S-28E

Prepared For:

Matador Production Company
One Lincoln Center
Dallas, TX 75240

Prepared By:

Talon/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

September 14, 2022



Mr. Rob Hamlet
NMOCD
Artesia, NM

Subject: **Closure Report**
Jack Sleeper Com 19 #121H
Eddy County, New Mexico
Incident # nAPP2206640765

Dear Mr. Hamlet,

Matador Production Company contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request is presented herein.

Site Information

The Jack Sleeper Com 19 16 23W 28E #121H is located approximately ten (10) miles south of Carlsbad, New Mexico. The legal description for the site of the release is Unit Letter N, Section 04, Township 23 South and Range 28 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.3300638 and -104.09551144. A Site Location Map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Pajarito-Dune Complex, with 0 to 3 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Ogallala Formation, lower Pliocene to Middle Miocene in age, and comprised of mixed alluvium and/or eolian sands. Drainage courses in this area are typically well drained.

Groundwater and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 31 feet below ground surface (bgs). See [Appendix II](#) for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is not situated within a potential Karst area.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs, Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater	31	Feet/bgs
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<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 200 feet of any lakebed, sinkhole or a playa lake
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 1000 feet of any freshwater well or spring
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of a wetland
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within the area overlying a subsurface mine
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within an unstable area
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within a 100-year floodplain

Because the release occurred on a site that is situated where depth to groundwater is shallow, the clean-up criteria for the upper 4 feet of this site per NMAC 19.15.29.13.D is as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

On June 17, 2022, a fuel line failure caused the release of approximately 45 bbl of crude oil. Matador took proactive measures by dispatching a hydro-vac truck and recovering approximately 40 bbl of fluid. Talon was contracted to assess this site. Matador submitted a spill notification and subsequent C-141 to the NMOCD that assigned this incident no. **nAPP2216854617**. The C-141 is attached in [Appendix V](#). The site map is presented in [Appendix I](#).

Site Assessment

On July 26, 2022, upon clearance from Matador Resources, Talon mobilized personnel to the site to conduct an initial site assessment. The site safety walks were conducted with Matador personnel. The entire impacted area was mapped utilizing a handheld Trimble mapping device, photographed and soil sampling commenced in areas not restricted by infrastructure utilizing a hand auger. All soil samples were properly packaged, preserved, and transported to Cardinal Laboratories via chain of custody for analysis of Total Chlorides (CI Method SM4500CI-B), TPH (Total Petroleum Hydrocarbons EPA Method 8015M), and BTEX (Benzene, Toluene, Ethylbenzene, and Xylenes EPA Method 8021B). Sample locations are shown on the attached Figure 1 ([Appendix I](#)), and the results of our sampling event are presented on the following data table.

Table I
06/24/2022 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	6/20/2022	0-1'	5.28	ND	119	9990	3310	13419	7760
S-2	6/20/2022	0-1'	ND	ND	ND	1770	129	1899	22400
BG-1	6/20/2022	0'	ND	ND	ND	ND	ND	0	64
BG-2	6/20/2022	0'	ND	ND	ND	ND	ND	0	32
ND = Analyte Not Detected BG = Background Sample									

Full Laboratory Report is referenced in [Appendix IV](#)

On July 26, 2022, Talon personnel and equipment mobilized to the site. Utilizing a Geo-probe with geo push technology the footprint of the spill area was vertically delineated. The remaining background soil samples were also grabbed in order to complete the horizontal delineation. All soil samples were properly packaged, preserved, and transported to Cardinal Laboratories via chain of custody for confirmation of analysis. The sample locations are depicted on Figure 1 Site Map ([Appendix I](#)). The results are presented on the following data table.

Table II
08/01/2022 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	7/26/2022	0-1'	ND	ND	ND	738	224	962	2160
	7/26/2022	2'	ND	ND	ND	ND	ND	-	48
	7/26/2022	3'	ND	ND	ND	ND	ND	-	ND
	7/26/2022	4'	ND	ND	ND	ND	ND	-	16
S-2	7/26/2022	0-1'	ND	ND	ND	240	139	379	2680
	7/26/2022	2'	ND	ND	ND	ND	ND	-	224
	7/26/2022	3'	ND	ND	ND	ND	ND	-	ND
	7/26/2022	4'	ND	ND	ND	ND	ND	-	ND
S-3	7/26/2022	0-1'	ND	ND	ND	610	371	981	864
	7/26/2022	2'	ND	ND	ND	ND	ND	-	1580
	7/26/2022	3'	ND	ND	ND	ND	ND	-	240
	7/26/2022	4'	ND	ND	ND	42	21.3	63.3	32
S-4	7/26/2022	0-1'	ND	ND	ND	ND	ND	-	480
	7/26/2022	2'	ND	ND	ND	ND	ND	-	160
	7/26/2022	3'	ND	ND	ND	ND	ND	-	32
	7/26/2022	4'	ND	ND	ND	ND	ND	-	32
BG-3	7/26/2022	0'	ND	ND	ND	ND	ND	-	16
BG-4	7/26/2022	0'	ND	ND	ND	ND	ND	-	48
ND = Analyte Not Detected									

See Appendix IV for the complete report of laboratory results.

On August 08, 2022, Talon equipment and personnel were mobilized to the site in order to commence with the excavation of the impacted area. The areas of sample positions S-1 through S-25A were excavated to depths of 2.5 feet bgs, the remaining spill footprint area was excavated to depths of 3 feet bgs. The excavated area was confirmation sample on a 5-point composite basis pursuant to NMOCD of the sampling event. The excavated area and sample positions are documented on the Figure 2 in Appendix I of the site maps. All soil samples were properly contained, preserved and transported to Cardinal Laboratories in Hobbs, NM for analysis of Total Chlorides, TPH and BTEX. The results are tabled below for reference.

Sample	Sample	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chlorides
mg/kg	mg/kg	ft	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	16
S-2A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	48
S-3A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	32
S-4A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	144
S-5A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	64
S-6A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	400
S-7A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	112
S-8A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	32
S-9A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	48
S-10A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	224
S-11A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	224
S-12A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	32
S-13A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	32
S-14A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	96
S-15A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	32
S-16A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	32
S-17A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	32
S-18A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	32
S-19A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	48
S-20A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	144
S-21A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	32
S-22A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	160
S-23A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	224
S-24A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	256
S-25A	8/8/2022	2.5'	ND	ND	ND	ND	ND	-	320
S-26A	8/23/2022	3'	ND	ND	ND	ND	ND	-	112
S-27A	8/23/2022	3'	ND	ND	ND	ND	ND	-	64
S-28A	8/23/2022	3'	ND	ND	ND	ND	ND	-	96
S-29A	8/23/2022	3'	ND	ND	ND	ND	ND	-	80
S-30A	8/23/2022	3'	ND	ND	ND	ND	ND	-	32
S-31A	8/23/2022	3'	ND	ND	ND	ND	ND	-	48
S-32A	8/23/2022	3'	ND	ND	ND	ND	ND	-	208
S-33A	8/23/2022	3'	ND	ND	ND	ND	ND	-	48
S-34A	8/23/2022	3'	ND	ND	ND	ND	ND	-	144
S-35A	8/23/2022	3'	ND	ND	ND	ND	ND	-	80
S-36A	8/23/2022	3'	ND	ND	ND	ND	ND	-	32
S-37A	8/23/2022	3'	ND	ND	ND	ND	ND	-	64
S-38A	8/23/2022	3'	ND	ND	ND	ND	ND	-	64
S-39A	8/23/2022	3'	ND	ND	ND	ND	ND	-	32
S-40A	8/23/2022	3'	ND	ND	ND	ND	ND	-	128
S-41A	8/23/2022	3'	ND	ND	ND	ND	ND	-	80
S-42A	8/23/2022	3'	ND	ND	ND	ND	ND	-	288
S-43A	8/23/2022	3'	ND	ND	ND	ND	ND	-	48
S-44A	8/23/2022	3'	ND	ND	ND	ND	ND	-	272
S-45A	8/23/2022	3'	ND	ND	ND	ND	ND	-	112
S-46A	8/23/2022	3'	ND	ND	ND	ND	ND	-	32
S-47A	8/23/2022	3'	ND	ND	ND	ND	ND	-	16
S-48A	8/23/2022	3'	ND	ND	ND	ND	ND	-	32
S-49A	8/23/2022	3'	ND	ND	ND	ND	ND	-	16
S-50A	8/23/2022	3'	ND	ND	ND	ND	ND	-	ND
SW-1	8/23/2022		ND	ND	ND	ND	ND	-	64
SW-2	8/23/2022		ND	ND	ND	ND	ND	-	16
SW-3	8/23/2022		ND	ND	ND	ND	ND	-	64
SW-4	8/23/2022		ND	ND	ND	ND	ND	-	128

See Appendix IV for the complete report of laboratory results.

Remediation

- The entire area of the spill footprint was excavated from depths of 2.5 feet to 3 feet bgs. Confirmation samples from excavation bottom were collected on a five-point composite basis not representing more than a 200 sq. ft. area.
- Background and sidewall samples were collected and analyzed in order to verify that horizontal remediation had been achieved in accordance with NMOCD clean-up criteria. All surface staining was removed and general housekeeping completed.
- All soil samples were transported to Cardinal Laboratories of Hobbs and analyzed for all analytes of concern in accordance with Table 1 guidelines.
- All contaminated soil, approximately 1,265 yards was transported to Lea Landfill, a NMOCD approved solid waste disposal facility.
- The excavated pad area was backfilled with clean caliche transported from Lea Landfill. as this is a high-volume traffic area, the pad was packed, and restored to grade.

Closure

On behalf of Matador Resources, Inc. we respectfully submit this closure report in accordance with Subsection E of 19.15.29.12 NMAC for the referenced incident. Based on this site characterization, remedial actions completed, and analytical results, we request that no further actions be required.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

Talon/LPE

Rebecca S. Pons
Senior Environmental Project Manager

Attachments:

Appendix I Site Plans
Appendix II Groundwater Data, Soil Survey
Appendix III Photographic Documentation
Appendix IV Laboratory Data
Appendix V NMOCD File-C141




Appendix I

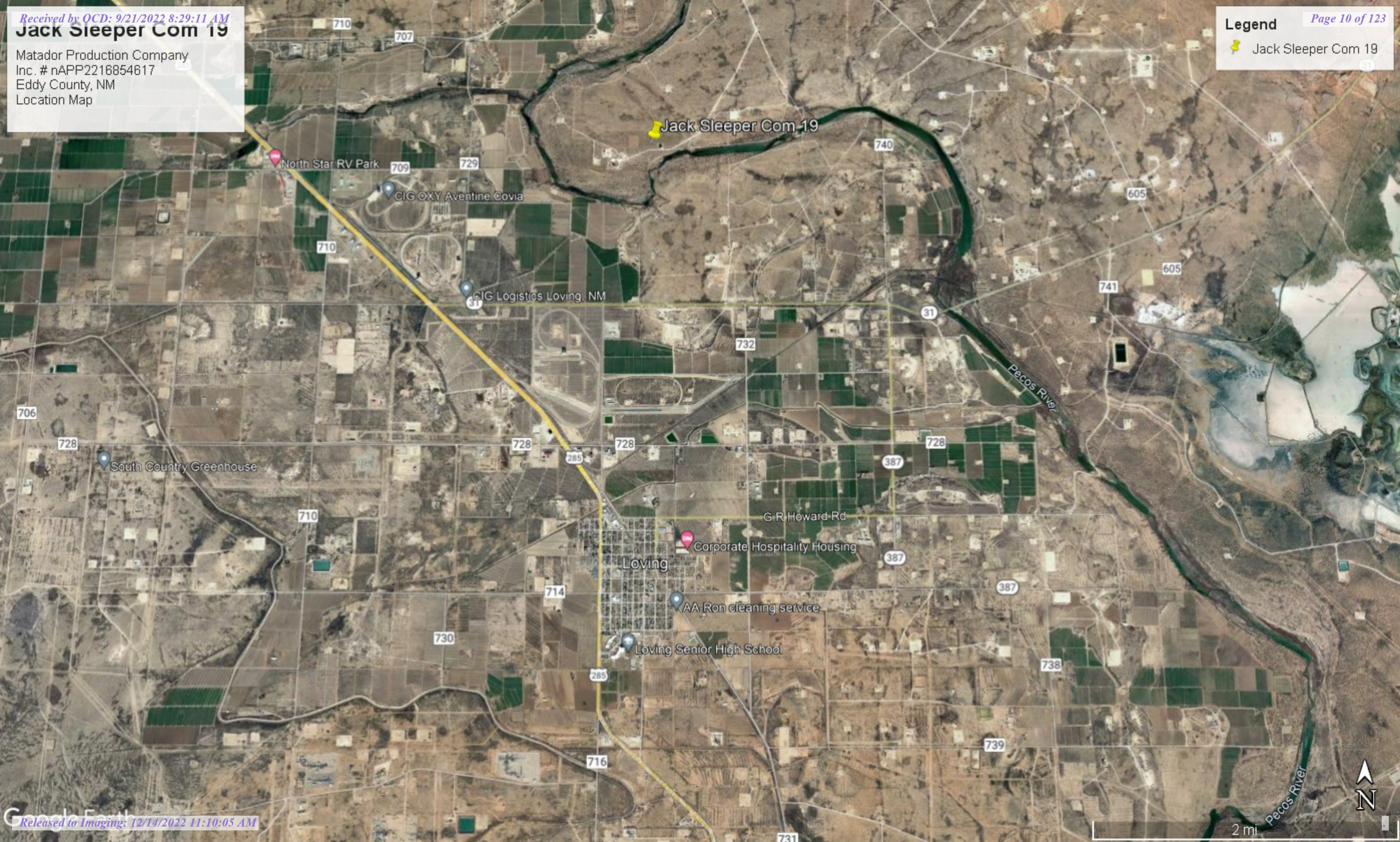
Site Maps

Jack Sleeper Com 19

Matador Production Company
Inc. # nAPP2216854617
Eddy County, NM
Location Map

Legend

 Jack Sleeper Com 19



Jack Sleeper Com 19

Matador Resources
#nAPP2216854617
Eddy County, NM
Site Assessment Map

Legend

Area_generic 15

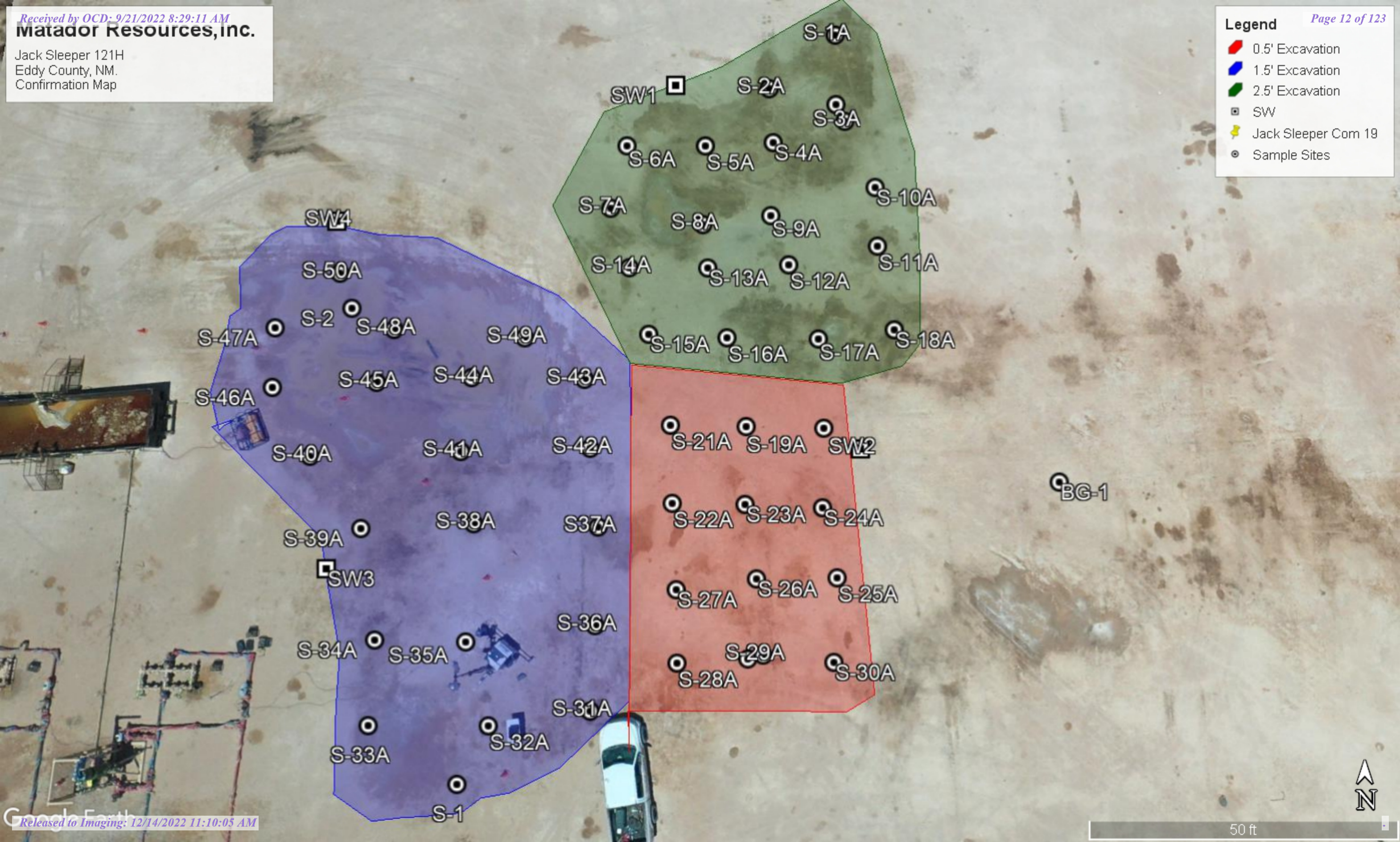
Feature 1



Page 12 of 123

Legend

- 0.5' Excavation
- 1.5' Excavation
- 2.5' Excavation
- SW
- Jack Sleeper Com 19
- Sample Sites



Jack Sleeper Com 19

Matador Production Company
Inc. # nAPP2216854617
Eddy County, NM
Karst Map

Legend

- Jack Sleeper Com 19
- Medium

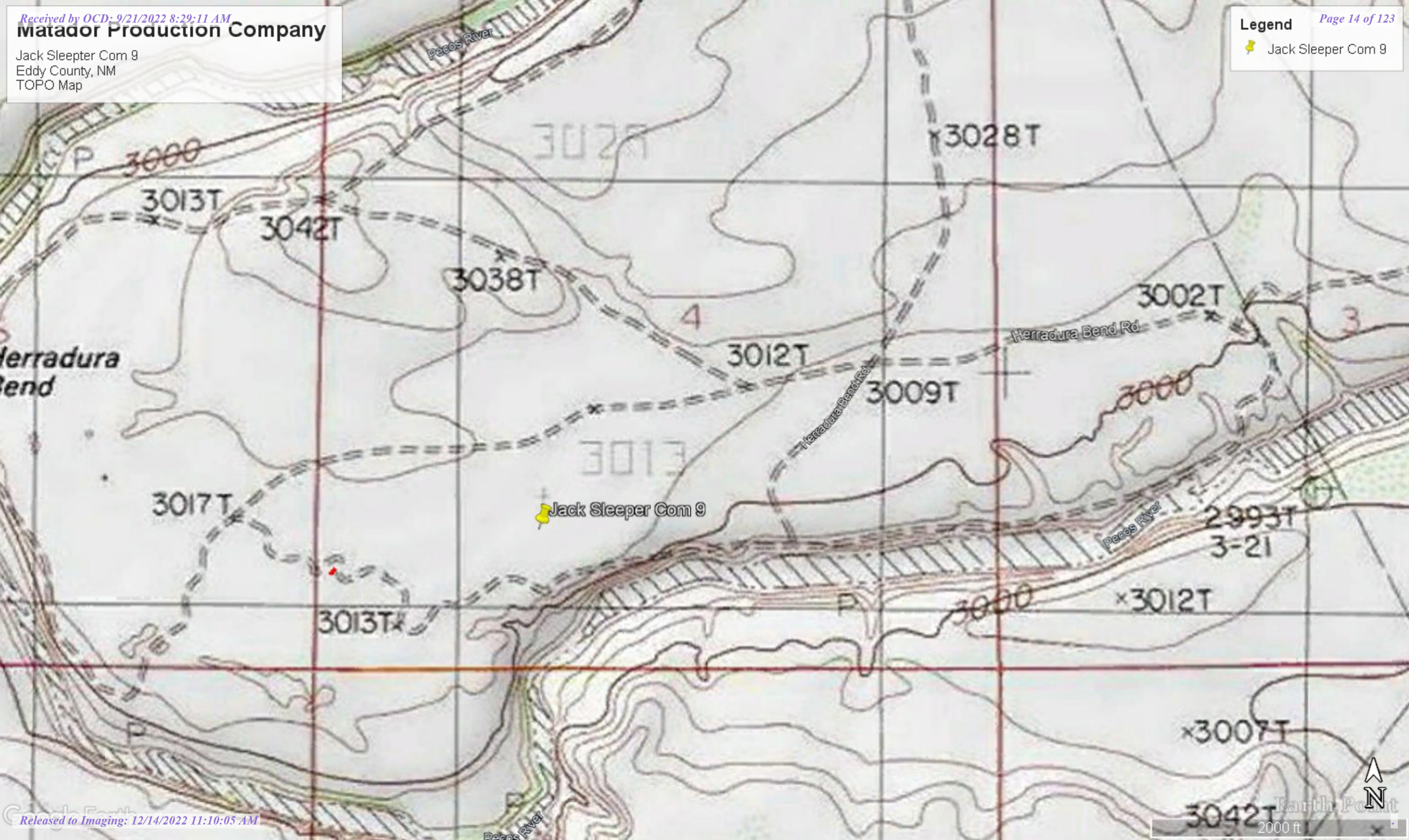


Matador Production Company

Jack Sleeper Com 9
Eddy County, NM
TOPO Map

Legend

📌 Jack Sleeper Com 9



National Flood Hazard Layer FIRMette



104°6'3"W 32°20'3"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

104°5'25"W 32°19'33"N

Released to Imaging: 12/14/2022 10:10:05 AM

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile 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 6/27/2022 at 11:37 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.



Appendix II

Groundwater Data, & Soil Survey



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)










































(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)









































(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 03056		C	ED	3	3	3	04	23S	28E	584772	3577226	388	60	31	29
C 04415 POD7		CUB	ED	3	1	4	04	23S	28E	585628	3577518	518	55	38	17
C 04415 POD4		CUB	ED	3	1	4	04	23S	28E	585628	3577575	536	11		
C 04415 POD3		CUB	ED	4	1	4	04	23S	28E	585645	3577552	544	11		
C 04415 POD2		CUB	ED	4	1	4	04	23S	28E	585653	3577570	558	12		
C 04415 POD8		CUB	ED	4	1	4	04	23S	28E	585656	3577583	565	27	23	4
C 04415 POD1		CUB	ED	4	1	4	04	23S	28E	585657	3577591	569	25	20	5
C 04415 POD5		CUB	ED	4	1	4	04	23S	28E	585652	3577605	569	10		
C 04415 POD6		CUB	ED	4	1	4	04	23S	28E	585652	3577605	569	10		
C 00800		C	ED		4	2	09	23S	28E	586050	3576479*	1290	200	30	170
C 03800 POD1		C	ED	3	3	2	05	23S	28E	583927	3577958	1332	97	36	61
C 04588 POD1		CUB	ED	2	2	2	04	23S	28E	586043	3578720	1622	50		
C 03762 POD2		CUB	ED	4	4	2	17	23S	28E	584893	3575598	1798	40	30	10
C 00504		CUB	ED	3	1	4	08	23S	28E	583939	3575949*	1861	230	40	190
C 03216 POD1		C	ED	3	3	1	05	23S	28E	583156	3577913	2042	250		
C 01779		C	ED	3	1	1	08	23S	28E	583128	3576749*	2097	178	50	128
C 03455 POD1		C	ED	3	3	1	05	23S	28E	583040	3577899	2151	57	22	35
C 00309		CUB	ED	1	3	1	08	23S	28E	583129	3576544*	2167	165	16	149
C 00326		CUB	ED	3	3	3	10	23S	28E	586358	3575572*	2187	130	19	111
C 00326 CLW196238	O	CUB	ED	3	3	3	10	23S	28E	586358	3575572*	2187	196	25	171
C 02141 CLW468812	O	C	ED	2	4	4	06	23S	28E	582925	3577348*	2203	65	36	29
C 02243		C	ED	4	4	4	06	23S	28E	582925	3577148*	2215	60	40	20
C 00311		C	ED	4	2	1	16	23S	28E	585353	3575152*	2240	163	55	108
C 02141		C	ED		4	4	06	23S	28E	582826	3577249*	2305	65	36	29
C 02243 CLW469222	O	C	ED		4	4	06	23S	28E	582826	3577249*	2305	60	40	20
C 01634		C	ED		2	4	06	23S	28E	582825	3577653*	2318	185	85	100
C 01699		C	ED		2	4	06	23S	28E	582825	3577653*	2318	90	65	25
C 00289		CUB	ED	1	1	1	05	23S	28E	583128	3578563*	2322		33	
C 00214		CUB	ED	2	3	3	32	22S	28E	583327	3578962*	2396	200		
C 03184		C	ED	2	3	3	32	22S	28E	583327	3578962*	2396	157	30	127
C 00035		CUB	ED	3	3	3	32	22S	28E	583127	3578762*	2431	146		
C 00212		CUB	ED	3	3	3	32	22S	28E	583127	3578762*	2431	146	30	116
C 00212 CLW193874	O	CUB	ED	3	3	3	32	22S	28E	583127	3578762*	2431			

C_00236	C	ED	2	2	3	32	22S	28E	583723	3579372*		2436	80	39	41
C_00036	CUB	ED	3	3	2	32	22S	28E	583916	3579583*		2513	106		
C_03094	C	ED	4	3	1	32	22S	28E	583317	3579567*		2838	138	53	85
C_00958	C	ED	2	1	2	06	23S	28E	582517	3578554*		2862	150		
C_00520	C	ED	1	1	3	16	23S	28E	584754	3574538*		2867	115	33	82
C_00521	C	ED	1	1	3	16	23S	28E	584754	3574538*		2867	218	33	185
C_02846 S	CUB	ED	4	4	4	07	23S	28E	582926	3575527*		2878	150	40	110
C_00213	CUB	ED	1	4	1	32	22S	28E	583517	3579775*		2885	200	35	165
C_00072	CUB	ED	3	3	1	15	23S	28E	586364	3574760*		2897	120	54	66
C_03472 POD1	CUB	ED	4	4	4	07	23S	28E	582894	3575479		2933	140	40	100
C_03762 POD3	CUB	ED	4	2	2	16	23S	28E	586203	3574642		2942	40	30	10
C_00608	C	ED	3	3	1	11	23S	28E	587970	3576401*		3006	200		
C_00512 CLW198323	O	CUB	4	1	1	11	23S	28E	588167	3576806*		3093	100		
C_00512 S	CUB	ED	4	1	1	11	23S	28E	588167	3576806*		3093	100		
C_02064	C	ED		4	3	06	23S	28E	582021	3577238*		3110	90	50	40
C_01993	C	ED		2	3	06	23S	28E	582020	3577643*		3118	164	45	119
C_00512	CUB	ED	4	1	1	11	23S	28E	588188	3576775		3119	175	15	160
C_00315	CUB	ED	3	1	3	11	23S	28E	587973	3575995*		3164	100	45	55
C_00512 EXPL	O	CUB			1	11	23S	28E	588272	3576703*		3216	200	16	184
C_00058	CUB	ED	3	4	3	06	23S	28E	581920	3577137*		3217	185	20	165
C_04451 POD1	C	ED	4	4	4	10	23S	28E	587833	3575521		3282	120	57	63
C_00235	C	ED		2	2	15	23S	28E	587676	3575280*		3302	160		
C_03762 POD1	CUB	ED	4	4	2	17	23S	28E	585314	3574066		3320	40	31	9
C_04560 POD2	CUB	ED	1	3	3	16	23S	28E	584857	3574036		3355	36	25	11
C_02845	CUB	ED	3	4	1	07	23S	28E	581920	3576327*		3376	220		
C_04203 POD1	C	ED	2	4	3	07	23S	28E	582148	3575792		3376	200	160	40
C_03040	C	ED	4	3	1	31	22S	28E	582254	3579191		3396	72	42	30
C_02511	C	ED	1	2	1	06	23S	28E	581916	3578550*		3417	60	35	25
C_04389 POD1	C	ED	4	2	3	07	23S	28E	582038	3575885		3433	99	70	29
C_04216 POD2	CUB	ED	1	4	1	11	23S	28E	588465	3576555		3437	20	10	10
C_00109	CUB	ED	1	3	3	04	23S	27E	588486	3576531		3463	168	120	48
C_02846	CUB	ED	4	1	1	07	23S	28E	581726	3576726*		3464	150	50	100
C_04216 POD1	CUB	ED	2	4	1	11	23S	28E	588488	3576534		3465	20	10	10
C_04216 POD3	CUB	ED	1	4	1	11	23S	28E	588501	3576556		3472	23	13	10
C_04216 POD4	CUB	ED	2	4	1	11	23S	28E	588499	3576513		3481	20	10	10
C_04367 POD1	C	ED	1	2	3	07	23S	28E	581935	3575983		3485	89	72	17
C_04250 POD1	C	ED	1	1	1	07	23S	28E	581613	3576868		3552	140	120	20
C_00321	C	ED		4	2	15	23S	28E	587679	3574874*		3576	120		
C_02503	C	ED		4	2	15	23S	28E	587679	3574874*		3576	70	12	58
C_00851	C	ED			3	17	23S	28E	583438	3574217*		3587	200	50	150
C_02943	C	ED	2	1	1	06	23S	28E	581725	3578546*		3596	69	43	26
C_02883	CUB	ED	1	3	3	06	23S	28E	581526	3577331*		3602	202		

C_00333		CUB	ED	3	1	2	18	23S	28E	582325	3575118*	3602	147		
C_00058 S		CUB	ED	3	3	3	06	23S	28E	581526	3577131*	3610	202		
C_04307 POD1		C	ED	2	1	3	07	23S	28E	581737	3576138	3610	92	78	14
C_00144 CLW200099	O	CUB	ED	1	3	1	06	23S	28E	581526	3578142*	3681	127		
C_00063		CUB	ED	1	3	1	07	23S	28E	581526	3576521*	3703	130		
C_00269		C	ED	4	4	2	15	23S	28E	587778	3574773*	3718	240	35	205
C_00269 CLW199753	O	C	ED	4	4	2	15	23S	28E	587778	3574773*	3718	240	35	205
C_00211		C	ED	4	3	3	15	23S	28E	586570	3573949*	3722	89	48	41
C_00616		CUB	ED	1	3	1	14	23S	28E	587982	3574978*	3731	120	30	90
C_03469 POD1		CUB	ED	3	4	3	11	23S	28E	588374	3575538	3732	68	38	30
C_03469 POD3		CUB	ED	3	4	3	11	23S	28E	588381	3575538	3738	47		
C_03469 POD2		CUB	ED	3	4	3	11	23S	28E	588382	3575506	3755	48		
C_04187 POD1		C	ED	3	3	1	07	23S	28E	581519	3576251	3781	88	48	40
C_04366 POD1		C	ED	3	1	3	07	23S	28E	581569	3575977	3825	94	85	9
C_00052	O	CUB	ED	3	4	4	30	22S	28E	582707	3580371*	3847	208	12	196
C_01885		C	ED		2	2	21	23S	28E	586070	3573640*	3857	104	35	69
C_01336		C	ED	2	1	1	22	23S	28E	586572	3573744*	3913	190	30	160
C_04313 POD1		C	ED	4	3	3	07	23S	28E	581677	3575500	3929	99	86	13
C_00313		CUB	ED	3	3	3	17	23S	28E	583136	3573915*	3997	250	75	175
C_02189		C	ED	1	1	3	14	23S	28E	587985	3574572*	4006	48	29	19
C_04066 POD1		C	ED	2	4	1	18	23S	28E	582038	3574823	4010	155	80	75
C_01872		C	ED		2	1	22	23S	28E	586878	3573649*	4122	68	48	20
C_03888 POD2		CUB	ED	4	4	4	12	23S	27E	581400	3575557	4150	30		
C_02840		CUB	ED	2	3	1	31	22S	28E	581721	3579758*	4154	220		
C_00128		C	ED	2	4	4	15	23S	28E	587783	3574162*	4172	149		
C_04225 POD1		C	ED	2	2	3	18	23S	28E	582167	3574424	4184	120	71	49
C_03888 POD3		CUB	ED	4	4	4	12	23S	27E	581348	3575495	4224	35		
C_01253		CUB	ED	1	3	1	22	23S	28E	586375	3573338*	4231	179	50	129
C_03888 POD1		CUB	ED	4	4	4	12	23S	27E	581295	3575525	4258	35		
C_03888 POD5		CUB	ED	4	4	4	12	23S	27E	581295	3575494	4271	35		
C_03819 POD4		CUB	ED	4	4	4	12	23S	27E	581306	3575464	4275	35		
C_00544		C	ED	3	3	1	21	23S	28E	584762	3573120*	4276	27		
C_02848		CUB	ED	3	3	1	21	23S	28E	584762	3573120*	4276	130		
C_04401 POD1		C	ED	2	3	1	18	23S	28E	581696	3574825	4278	200	120	80
C_03741 POD1		C	ED	3	1	2	12	23S	27E	580853	3576976	4293	160	51	109
C_03819 POD3		CUB	ED	4	4	4	12	23S	27E	581256	3575500	4304	35		
C_03819 POD1		CUB	ED	4	4	4	12	23S	27E	581270	3575463	4308	36		
C_03819 POD2		CUB	ED	4	4	4	12	23S	27E	581270	3575463	4308	34		
C_03819 POD5		CUB	ED	4	4	4	12	23S	27E	581256	3575451	4325	36		
C_04315 POD1		C	ED	1	3	1	18	23S	28E	581620	3574847	4327			
C_00921		C	ED	2	1	2	01	23S	27E	580909	3578526*	4371	150	31	119

C_00716		C	ED			21	23S	28E	585471	3573012*		4382	140	69	71	
C_03460 POD1		CUB	ED	3	1	2	14	23S	28E	588857	3575004		4422	100	38	62
C_03053		C	ED	3	4	4	12	23S	27E	581122	3575505*		4423	94	14	80
C_03888 POD4		CUB	ED	3	4	4	12	23S	27E	581139	3575462		4426	35		
C_03457		C	ED	3	4	4	12	23S	27E	581081	3575530		4449	200		
C_00144 POD2		CUB	ED	3	3	2	01	23S	27E	580710	3577923*		4450	200	60	140
C_03661 POD1		CUB	ED	3	3	4	01	23S	27E	580668	3577103		4468	170	60	110
C_00171 CLW223473	O	CUB	ED	1	3	2	01	23S	27E	580710	3578123*		4479			
C_00171 POD2		CUB	ED	1	3	2	01	23S	27E	580710	3578123*		4479	200		
C_03753 POD1		C	ED	3	3	1	18	23S	28E	581515	3574658		4523	210	60	150
C_00094 AS	C	CUB	ED	1	3	2	22	23S	28E	587183	3573346*		4528	165	40	125
C_00911 POD2		C	ED	1	2	4	20	23S	28E	584359	3572911*		4535	69	34	35
C_00911 POD3		C	ED	1	2	4	20	23S	28E	584359	3572911*		4535	218	60	158
C_00241		CUB	ED	3	3	2	12	23S	27E	580715	3576307*		4541	160		
C_01487		CUB	ED	3	4	1	22	23S	28E	586779	3573142*		4549	150	38	112
C_03922 POD1		C	ED	3	2	3	18	23S	28E	581844	3574230		4550	138	75	63
C_04289 POD1		C	ED	1	1	2	19	23S	28E	582387	3573717		4575	91	78	13
C_02180		C	ED			3	18	23S	28E	581831	3574198*		4582	140	80	60
C_02697		C	ED		1	3	18	23S	28E	581629	3574401*		4595	220	42	178
C_00332		C	ED	2	2	1	12	23S	27E	580508	3576903*		4644	100	24	76
C_01487 CLW201796	O	CUB	ED		3	2	22	23S	28E	587284	3573247*		4662	90	30	60
C_00577		C	ED	3	1	3	21	23S	28E	584764	3572714*		4681	35	10	25
C_00578		C	ED	3	1	3	21	23S	28E	584764	3572714*		4681	28	18	10
C_00643		C	ED	3	1	3	21	23S	28E	584764	3572714*		4681	76	10	66
C_00320		C	ED		4	3	01	23S	27E	580407	3577208*		4724	300		
C_00833		C	ED		4	3	01	23S	27E	580407	3577208*		4724			
C_00327		CUB	ED	3	2	4	21	23S	28E	585974	3572728*		4729	212		
C_03779 POD1		C	ED	2	3	3	18	23S	28E	581707	3574103		4738	110	70	40
C_04400 POD1		C	ED	3	1	3	18	23S	28E	581496	3574309		4756	200	120	80
C_03941 POD2		CUB	ED	3	4	2	13	23S	27E	581152	3574745		4769	32		
C_03941 POD1		CUB	ED	3	4	2	13	23S	27E	581110	3574757		4798	37	19	18
C_00312		CUB	ED	3	3	1	20	23S	28E	583094	3573015		4816	230	70	160
C_04609 POD1		CUB	ED	2	1	1	01	23S	28E	589816	3578589		4841	51		
C_04417 POD1		CUB	ED	4	3	3	36	22S	28E	589736	3578874		4843	55		
C_02796		CUB	ED		2	3	22	23S	28E	586882	3572838*		4869	200		
C_03082		C	ED	1	3	3	18	23S	28E	581529	3574096*		4872	220	217	3
C_03542 POD1		CUB	ED	2	4	4	20	23S	28E	584615	3572530		4878	22	16	6
C_00650		C	ED	1	3	3	21	23S	28E	584767	3572508*		4886	32	12	20
C_00094		CUB	ED	3	4	2	22	23S	28E	587588	3573151*		4893	100	60	40
C_00094	C	CUB	ED	3	4	2	22	23S	28E	587588	3573151*		4893	100	60	40
C_00094 A	C	CUB	ED	3	4	2	22	23S	28E	587588	3573151*		4893	166	40	126

C_03542_POD2	CUB	ED	2	4	4	20	23S	28E	584620	3572497	4910	30		
C_01816	C	ED	1	3	1	23	23S	28E	587992	3573355*	4940	200	40	160
C_02847	CUB	ED	2	1	4	22	23S	28E	587386	3572941*	4981	80		
C_02849	CUB	ED	2	1	4	22	23S	28E	587386	3572941*	4981	60		
C_00024	O	CUB			3	22	23S	28E	586682	3572629*	4999	242	48	194

Average Depth to Water: 46 feet
Minimum Depth: 10 feet
Maximum Depth: 217 feet

Record Count: 162

UTMNAD83 Radius Search (in meters):

Easting (X): 585127.84 Northing (Y): 3577381 Radius: 5000

*UTM location was derived from PLSS - see Help

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

6/17/22 2:51 PM WATER COLUMN/ AVERAGE DEPTH TO WATER



Appendix III

Photographic Documentation



Photograph No.1 Description:

Spill Footprint Pad Area



Photograph No.2 Description:

Impact from Frac Tanks



Photograph No.3 Description:

Standing Fluid



Photograph No.4 Description:

Aerial View of Impacted Pad.



Photograph No.5 Description:

Backfill of excavation.



Photograph No.6 Description:

Site restored to grade.



Appendix IV

Laboratory Data



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

August 01, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: JACK SLEEPER

Enclosed are the results of analyses for samples received by the laboratory on 07/27/22 11:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	07/27/2022	Sampling Date:	07/26/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 0-1' (H223308-01)

BTEX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/29/2022	ND	1.99	99.7	2.00	5.55	
Toluene*	<0.050	0.050	07/29/2022	ND	2.17	109	2.00	3.86	
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.11	105	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	111	6.00	3.84	
Total BTEX	<0.300	0.300	07/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	07/29/2022	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	206	103	200	5.25	
DRO >C10-C28*	738	10.0	07/28/2022	ND	228	114	200	7.99	
EXT DRO >C28-C36	224	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 43-149

Surrogate: 1-Chlorooctadecane 112 % 42.5-161

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:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 2' (H223308-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/29/2022	ND	1.99	99.7	2.00	5.55		
Toluene*	<0.050	0.050	07/29/2022	ND	2.17	109	2.00	3.86		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.11	105	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	111	6.00	3.84		
Total BTEx	<0.300	0.300	07/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	206	103	200	5.25	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	228	114	200	7.99	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 43-149

Surrogate: 1-Chlorooctadecane 86.4 % 42.5-161

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:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 3' (H223308-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/29/2022	ND	1.99	99.7	2.00	5.55		
Toluene*	<0.050	0.050	07/29/2022	ND	2.17	109	2.00	3.86		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.11	105	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	111	6.00	3.84		
Total BTX	<0.300	0.300	07/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	206	103	200	5.25	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	228	114	200	7.99	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 43-149

Surrogate: 1-Chlorooctadecane 78.9 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 4' (H223308-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/29/2022	ND	1.99	99.7	2.00	5.55		
Toluene*	<0.050	0.050	07/29/2022	ND	2.17	109	2.00	3.86		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.11	105	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	111	6.00	3.84		
Total BTX	<0.300	0.300	07/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	07/29/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 67.2 % 43-149

Surrogate: 1-Chlorooctadecane 76.0 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 0-1' (H223308-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/29/2022	ND	1.99	99.7	2.00	5.55	
Toluene*	<0.050	0.050	07/29/2022	ND	2.17	109	2.00	3.86	
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.11	105	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	111	6.00	3.84	
Total BTX	<0.300	0.300	07/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	07/29/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	240	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	139	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 75.4 % 43-149

Surrogate: 1-Chlorooctadecane 76.5 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 2' (H223308-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/29/2022	ND	1.99	99.7	2.00	5.55		
Toluene*	<0.050	0.050	07/29/2022	ND	2.17	109	2.00	3.86		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.11	105	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	111	6.00	3.84		
Total BTEx	<0.300	0.300	07/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	07/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 43-149

Surrogate: 1-Chlorooctadecane 83.2 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 3' (H223308-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/29/2022	ND	1.99	99.7	2.00	5.55		
Toluene*	<0.050	0.050	07/29/2022	ND	2.17	109	2.00	3.86		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.11	105	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	111	6.00	3.84		
Total BTX	<0.300	0.300	07/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	07/29/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 69.1 % 43-149

Surrogate: 1-Chlorooctadecane 77.5 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 4' (H223308-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/29/2022	ND	1.99	99.7	2.00	5.55		
Toluene*	<0.050	0.050	07/29/2022	ND	2.17	109	2.00	3.86		
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	2.11	105	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/29/2022	ND	6.63	111	6.00	3.84		
Total BTEx	<0.300	0.300	07/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	07/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 73.5 % 43-149

Surrogate: 1-Chlorooctadecane 83.8 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 0-1' (H223308-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2022	ND	2.04	102	2.00	1.56		
Toluene*	<0.050	0.050	07/28/2022	ND	2.13	107	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.19	110	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.69	111	6.00	1.40		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	07/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	610	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	371	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 43-149

Surrogate: 1-Chlorooctadecane 77.2 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 2' (H223308-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2022	ND	2.04	102	2.00	1.56		
Toluene*	<0.050	0.050	07/28/2022	ND	2.13	107	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.19	110	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.69	111	6.00	1.40		
Total BTX	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	07/29/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 73.4 % 43-149

Surrogate: 1-Chlorooctadecane 85.9 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 3' (H223308-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2022	ND	2.04	102	2.00	1.56		
Toluene*	<0.050	0.050	07/28/2022	ND	2.13	107	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.19	110	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.69	111	6.00	1.40		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 43-149

Surrogate: 1-Chlorooctadecane 96.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 4' (H223308-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2022	ND	2.04	102	2.00	1.56		
Toluene*	<0.050	0.050	07/28/2022	ND	2.13	107	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.19	110	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.69	111	6.00	1.40		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	42.0	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	21.3	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 74.0 % 43-149

Surrogate: 1-Chlorooctadecane 86.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 0-1' (H223308-13)

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	07/28/2022	ND	2.04	102	2.00	1.56	
Toluene*	<0.050	0.050	07/28/2022	ND	2.13	107	2.00	1.68	
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.19	110	2.00	1.20	
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.69	111	6.00	1.40	
Total BTX	<0.300	0.300	07/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	07/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 43-149

Surrogate: 1-Chlorooctadecane 86.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 2' (H223308-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2022	ND	2.04	102	2.00	1.56		
Toluene*	<0.050	0.050	07/28/2022	ND	2.13	107	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.19	110	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.69	111	6.00	1.40		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 65.0 % 43-149

Surrogate: 1-Chlorooctadecane 74.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 3' (H223308-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2022	ND	2.04	102	2.00	1.56		
Toluene*	<0.050	0.050	07/28/2022	ND	2.13	107	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.19	110	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.69	111	6.00	1.40		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 58.1 % 43-149

Surrogate: 1-Chlorooctadecane 66.6 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 4' (H223308-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2022	ND	2.04	102	2.00	1.56		
Toluene*	<0.050	0.050	07/28/2022	ND	2.13	107	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.19	110	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.69	111	6.00	1.40		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/29/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 80.9 % 43-149

Surrogate: 1-Chlorooctadecane 96.4 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG - 3 0' (H223308-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2022	ND	2.04	102	2.00	1.56		
Toluene*	<0.050	0.050	07/28/2022	ND	2.13	107	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.19	110	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.69	111	6.00	1.40		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

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	07/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 43-149

Surrogate: 1-Chlorooctadecane 87.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 07/27/2022
 Reported: 08/01/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG - 4 0' (H223308-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2022	ND	2.04	102	2.00	1.56		
Toluene*	<0.050	0.050	07/28/2022	ND	2.13	107	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.19	110	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.69	111	6.00	1.40		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	223	111	200	7.16	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	230	115	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					

Surrogate: 1-Chlorooctane 75.4 % 43-149

Surrogate: 1-Chlorooctadecane 88.6 % 42.5-161

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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

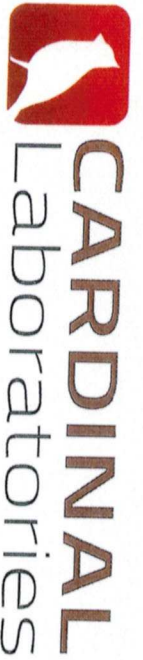
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		P.O. #:		BILL TO		ANALYSIS REQUEST											
Project Manager: R. Davis		Company:															
Address: 408 W. Texas Ave		Attn:															
City: Artesia		Address:															
Phone #: 575.746.8768		City:															
Fax #: 575.746.8768		State:															
Project #: 702520.029.01		Zip:															
Project Owner: Matador		Phone #:															
Project Name: Jack Sleeper		Fax #:															
Project Location: Eddy County, NM																	
Sample Name: M. Davis, A. Puma																	
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	BTEX	TPH	Chlorides
H223308	5-1 0-1'		6			X							7/24/22	10:00	X	X	X
1	5-1 0-1'													10:05			
2	5-1 2'													10:10			
3	5-1 3'													10:15			
4	5-1 4'													10:20			
5	5-2 0-1'													10:25			
6	5-2 2'													10:30			
7	5-2 3'													10:35			
8	5-2 4'													10:40			
9	5-3 0-1'													10:45			
10	5-3 2'																

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Relinquished By: Matthew Lopez Date: 7/26/22 Time: 11:35 Received By: Shadrach

Delivered By: (Circle One) 2.8 Sample Condition Intact CHECKED BY: SL
 Sampler - UPS - Bus - Other: 2.82 / 11/3 Cool ☐ Yes ☒ No Intact ☐ Yes ☒ No

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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

REMARKS:



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101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

August 12, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: JACK SLEEPER

Enclosed are the results of analyses for samples received by the laboratory on 08/10/22 16:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/10/2022	Sampling Date:	08/08/2022
Reported:	08/12/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 A 2.5' (H223602-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2022	ND	1.95	97.3	2.00	6.73	
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 43-149

Surrogate: 1-Chlorooctadecane 88.0 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 A 2.5' (H223602-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 43-149

Surrogate: 1-Chlorooctadecane 89.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 A 2.5' (H223602-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 43-149

Surrogate: 1-Chlorooctadecane 91.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 A 2.5' (H223602-04)

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	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 87.0 % 43-149

Surrogate: 1-Chlorooctadecane 89.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 5 A 2.5' (H223602-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 92.1 % 43-149

Surrogate: 1-Chlorooctadecane 92.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 6 A 2.5' (H223602-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 43-149

Surrogate: 1-Chlorooctadecane 94.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 7 A 2.5' (H223602-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 89.8 % 43-149

Surrogate: 1-Chlorooctadecane 91.5 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 8 A 2.5' (H223602-08)

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	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 43-149

Surrogate: 1-Chlorooctadecane 96.4 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 9 A 2.5' (H223602-09)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 43-149

Surrogate: 1-Chlorooctadecane 89.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 10 A 2.5' (H223602-10)

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	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 43-149

Surrogate: 1-Chlorooctadecane 86.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 11 A 2.5' (H223602-11)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 85.4 % 43-149

Surrogate: 1-Chlorooctadecane 87.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 12 A 2.5' (H223602-12)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 13 A 2.5' (H223602-13)

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	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 95.0 % 43-149

Surrogate: 1-Chlorooctadecane 98.8 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 14 A 2.5' (H223602-14)

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	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 88.4 % 43-149

Surrogate: 1-Chlorooctadecane 89.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 15 A 2.5' (H223602-15)

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	08/11/2022	ND	1.95	97.3	2.00	6.73	
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16	
Total BTX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 113 % 43-149

Surrogate: 1-Chlorooctadecane 115 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 16 A 2.5' (H223602-16)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 90.7 % 43-149

Surrogate: 1-Chlorooctadecane 90.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 17 A 2.5' (H223602-17)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTEX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 94.9 % 43-149

Surrogate: 1-Chlorooctadecane 98.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 18 A 2.5' (H223602-18)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2022	ND	1.95	97.3	2.00	6.73	
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16	
Total BTX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 94.7 % 43-149

Surrogate: 1-Chlorooctadecane 95.0 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 19 A 2.5' (H223602-19)

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	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 95.1 % 43-149

Surrogate: 1-Chlorooctadecane 97.3 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 20 A 2.5' (H223602-20)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	1.95	97.3	2.00	6.73		
Toluene*	<0.050	0.050	08/11/2022	ND	1.99	99.6	2.00	7.74		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.05	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.21	104	6.00	6.16		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	216	108	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	226	113	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 43-149

Surrogate: 1-Chlorooctadecane 92.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 21 A 2.5' (H223602-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	2.06	103	2.00	2.17		
Toluene*	<0.050	0.050	08/11/2022	ND	2.15	107	2.00	1.88		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.22	111	2.00	2.79		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.82	114	6.00	2.97		
Total BTEX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	226	113	200	3.74	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	195	97.7	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 77.4 % 43-149

Surrogate: 1-Chlorooctadecane 90.0 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 22 A 2.5' (H223602-22)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	2.06	103	2.00	2.17		
Toluene*	<0.050	0.050	08/11/2022	ND	2.15	107	2.00	1.88		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.22	111	2.00	2.79		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.82	114	6.00	2.97		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/12/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	226	113	200	3.74	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	195	97.7	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 89.6 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 23 A 2.5' (H223602-23)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	2.06	103	2.00	2.17		
Toluene*	<0.050	0.050	08/11/2022	ND	2.15	107	2.00	1.88		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.22	111	2.00	2.79		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.82	114	6.00	2.97		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/12/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	226	113	200	3.74	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	195	97.7	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 43-149

Surrogate: 1-Chlorooctadecane 108 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 24 A 2.5' (H223602-24)

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	08/11/2022	ND	2.06	103	2.00	2.17		
Toluene*	<0.050	0.050	08/11/2022	ND	2.15	107	2.00	1.88		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.22	111	2.00	2.79		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.82	114	6.00	2.97		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	226	113	200	3.74	
DRO >C10-C28*	17.0	10.0	08/11/2022	ND	195	97.7	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 43-149

Surrogate: 1-Chlorooctadecane 109 % 42.5-161

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/10/2022
 Reported: 08/12/2022
 Project Name: JACK SLEEPER
 Project Number: 702520.029.01
 Project Location: MATADOR - EDDY CO NM

Sampling Date: 08/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 25 A 2.5' (H223602-25)

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	08/11/2022	ND	2.06	103	2.00	2.17		
Toluene*	<0.050	0.050	08/11/2022	ND	2.15	107	2.00	1.88		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.22	111	2.00	2.79		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.82	114	6.00	2.97		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	226	113	200	3.74	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	195	97.7	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 95.1 % 43-149

Surrogate: 1-Chlorooctadecane 114 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Labco Project Manager: CPB Address: 488 Tenth City: Detroit State: Mi Zip: 48206 Phone #: 313-746-8768 Fax #: _____ Project #: 70500 08/01 Project Owner: Project Name: JPL Skp Project Location: CODY Sampler Name: A.Puer P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:						
BILL TO						
ANALYSIS REQUEST						

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 :	
HAZARDOUS	5-1A	2.5'	1		DATE TIME
	5-2A	2.5'			9:00
	5-3A	2.5'			9:05
	5-4A	2.5'			9:10
	5-5A	2.5'			9:15
	5-6A	2.5'			9:20
	5-7A	2.5'			9:25
	5-8A	2.5'			9:30
	5-9A	2.5'			9:35
	5-10A	2.5'			9:40
					9:45

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Relinquished By:	Date: 8/10/00	Received By:	Date: 8/10/00
Relinquished By:	Date: 8/10/00	Received By:	Date: 8/10/00
Relinquished By:	Date: 8/10/00	Received By:	Date: 8/10/00

REMARKS: Temp Blank: 0.9°C

Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	-1.1°C	-1.7°C	Cool Intact Yes [X] No []	SKL	Thermometer ID #113	Rush	Cool Intact Yes [X] No []	Observed Temp. °C
					Correction Factor -0.8°C	48 HR		Corrected Temp. °C



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Albuquerque</u>		P.O. #:		BILL TO										ANALYSIS REQUEST																									
Project Manager: <u>EDP</u>		Company:																																					
Address: <u>408 10th</u>		Attn:																																					
City: <u>Albuquerque</u>		State:																																					
Phone #: <u>505 744 8768</u>		Fax #:																																					
Project #: <u>702530.025.01</u>		Project Owner:																																					
Project Name: <u>MSB</u>		City:																																					
Project Location: <u>EDD</u>		State:																																					
Sample Name: <u>Alvarado</u>		Phone #:																																					
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											
11		S11A. 2.5'		C																						9:50		9:55											
12		S12A 2.5'																								10:00		10:00											
13		S13A 2.5'																								10:05		10:10											
14		S14A 2.5'																								10:15		10:20											
15		S15A 2.5'																								10:25		10:30											
16		S16A 2.5'																								10:35		10:40											
17		S17A 2.5'																								10:45		10:50											
18		S18A 2.5'																								10:55		11:00											
19		S19A 2.5'																								11:05		11:10											
20		S20A 2.5'																								11:15		11:20											
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Delivered By: (Circle One)		Observed Temp. °C		Corrected Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Thermometer ID #113		Correction Factor -0.6°C																									
Sampler - UPS - Bus - Other:		-1.1°C		-1.7°C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		[Signature]		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Sample Condition																									
FORW-006 R-3-3 07/10/22		† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com																																					



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ADCO

Project Manager: RSR

Address: 408 Leaks

City: Antisio

Phone #: 575-744-8768

Project #: 02530.039.01

Project Name: IFEL glow

Project Location: EDM

Sampler Name: ADCO

State: CA **Zip:** 92010

Attn: _____

Address: _____

City: _____

State: _____ **Zip:** _____

Phone #: _____

Fax #: _____

FOR LAB USE ONLY

Lab I.D. 103002

Sample I.D.

21	5.21A 2.5'
22	5.22A 2.5'
23	5.23A 2.5'
24	5.24A 2.5'
25	5.25A 2.5'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE 8/8 **TIME** 12:40

Relinquished By: _____

Date: 8/10/02

Time: 147

Received By: Shedrick

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

REMARKS:

Delivered By: (Circle One)

Observed Temp. °C -1.10

Corrected Temp. °C -1.72

Sample Condition

☐ Cool ☐ Intact

☐ Yes ☐ No

CHECKED BY: SR

Turnaround Time: _____

Thermometer ID #113

Correction Factor -0.5°C

Standard 48 ☒ **Rush**

Bacteria (only) Sample Condition

☐ Cool ☐ Intact

☐ Yes ☐ No

Observed Temp. °C

Corrected Temp. °C

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

REMARKS:



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

August 31, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: JACK SLEEPER

Enclosed are the results of analyses for samples received by the laboratory on 08/26/22 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 26 A 3' (H223950-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.04	102	2.00	6.24	
Toluene*	<0.050	0.050	08/30/2022	ND	2.03	101	2.00	7.02	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.96	98.0	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.11	102	6.00	5.35	
Total BTX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/30/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	194	97.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	217	108	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 27 A 3' (H223950-02)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.04	102	2.00	6.24	
Toluene*	<0.050	0.050	08/30/2022	ND	2.03	101	2.00	7.02	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.96	98.0	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.11	102	6.00	5.35	
Total BTEX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/30/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	194	97.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	217	108	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 28 A 3' (H223950-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2022	ND	2.04	102	2.00	6.24		
Toluene*	<0.050	0.050	08/30/2022	ND	2.03	101	2.00	7.02		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.96	98.0	2.00	6.58		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.11	102	6.00	5.35		
Total BTEx	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/30/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	194	97.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	217	108	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 29 A 3' (H223950-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2022	ND	2.04	102	2.00	6.24		
Toluene*	<0.050	0.050	08/30/2022	ND	2.03	101	2.00	7.02		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.96	98.0	2.00	6.58		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.11	102	6.00	5.35		
Total BTEX	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/30/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	194	97.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	217	108	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 30 A 3' (H223950-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2022	ND	2.04	102	2.00	6.24		
Toluene*	<0.050	0.050	08/30/2022	ND	2.03	101	2.00	7.02		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.96	98.0	2.00	6.58		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.11	102	6.00	5.35		
Total BTEx	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/30/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	194	97.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	217	108	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 31 A 3' (H223950-06)

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	08/30/2022	ND	2.04	102	2.00	6.24		
Toluene*	<0.050	0.050	08/30/2022	ND	2.03	101	2.00	7.02		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.96	98.0	2.00	6.58		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.11	102	6.00	5.35		
Total BTX	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/30/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	194	97.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	217	108	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 96.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 32 A 3' (H223950-07)

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	08/30/2022	ND	2.04	102	2.00	6.24		
Toluene*	<0.050	0.050	08/30/2022	ND	2.03	101	2.00	7.02		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.96	98.0	2.00	6.58		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.11	102	6.00	5.35		
Total BTX	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/30/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 88.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.0 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 33 A 3' (H223950-08)

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	08/30/2022	ND	2.04	102	2.00	6.24	
Toluene*	<0.050	0.050	08/30/2022	ND	2.03	101	2.00	7.02	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.96	98.0	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.11	102	6.00	5.35	
Total BTEx	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/30/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 95.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 34 A 3' (H223950-09)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	2.04	102	2.00	6.24	
Toluene*	<0.050	0.050	08/30/2022	ND	2.03	101	2.00	7.02	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	1.96	98.0	2.00	6.58	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.11	102	6.00	5.35	
Total BTEx	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

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	08/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 92.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Analytical Results For:

TALON LPE
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 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 35 A 3' (H223950-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTEx	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.9 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 36 A (H223950-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTEx	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 37 A (H223950-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTX	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/30/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 98.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 38 A (H223950-13)

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	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTX	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/30/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 39 A (H223950-14)

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	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTEx	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 40 A (H223950-15)

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	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTEx	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/30/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 41 A (H223950-16)

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	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTEx	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 42 A (H223950-17)

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	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTX	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/30/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 97.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 43 A (H223950-18)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTX	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 97.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 44 A (H223950-19)

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	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTX	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/30/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 45 A (H223950-20)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTX	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 46 A (H223950-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTEx	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 94.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 47 A (H223950-22)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTX	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/30/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 112 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 48 A (H223950-23)

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	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTEx	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 94.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 49 A (H223950-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTEx	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 87.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	08/31/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 50 A (H223950-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/30/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74		
Total BTEx	<0.300	0.300	08/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 96.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		BILL TO		ANALYSIS REQUEST	
Project Manager:		P.O. #:			
Address: 408 W. Texas Ave		Company:			
City: Artesia		Attn:			
State: NM zip: 88210		Address:			
Phone #: 575.746.8768		City:			
Fax #:		State:			
Project #: 162520-02201		Zip:			
Project Owner:		Phone #:			
Project Name: JTK Steep		Fax #:			
Project Location: CDDy.					
Sampler Name: ADAM					
FOR LAB USE ONLY					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	DATE
				GROUNDWATER	TIME
				WASTEWATER	
				SOIL	
				OIL	
				SLUDGE	
				OTHER :	
				ACID/BASE:	
				ICE / COOL	
				OTHER :	
				PRESERV	
				SAMPLING	
1	5.24A	3'	1		8:23
2	5.27A	3'	1		9:05
3	5.28A	3'	1		9:16
4	5.21A	3'	1		9:15
5	5.30A	3'	1		9:20
6	5.81A	3'	1		9:25
7	5.32A	3'	1		9:30
8	5.33A	3'	1		9:35
9	5.34	3'	1		9:40
10	5.35A	3'	1		9:45
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Relinquished By:	Date: 8-26-22	Received By:	Date: 8-26-22		
Relinquished By:	Time: 11:25	Received By:	Time: 11:25		
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)			
Sampler - UPS - Bus - Other: 4.80/4.20	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	1043			
	No <input type="checkbox"/> Yes <input type="checkbox"/>				
	No <input type="checkbox"/> Yes <input type="checkbox"/>				
REMARKS:					

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		
Project Manager:		
Address: 408 W. Texas Ave		
City: Artesia State: NM Zip: 88210		
Phone #: 575.746.8768 Fax #:		
Project #: 702528.02A.01 Project Owner:		
Project Name: Jett Seape		
Project Location: EDDY.		
Sample Name: A.PENAN		
FOR LAB USE ONLY		

P.O. #:	Company:
Attn:	Address:
City:	State:
Zip:	Phone #:
Fax #:	

BILL TO	ANALYSIS REQUEST
(G)RAB OR (C)OMP.	
# CONTAINERS	
GROUNDWATER	
WASTEWATER	
SOIL	
OIL	
SLUDGE	
OTHER :	
ACID/BASE:	
ICE / COOL	
OTHER :	
MATRIX	
PRESERV	SAMPLING
DATE	TIME

H2239SD	S.GLA	CL
11	S.37A	BTx
12	S.38A	T-PH
13	S.39A	
14	S.40A	
15	S.41A	
16	S.42A	
17	S.43A	
18	S.44A	
19	S.45A	
20	S.46A	

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Relinquished By: [Signature] Date: 8-26-22 Time: 16:25
Received By: [Signature]
Reinquinquishd By: [Blank] Date: _____ Time: _____
Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 4,82/4.22 #1/3
Cool Intact Yes No
Checked BY: (Initials)

REMARKS: 2of3	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:
----------------------	--



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		BILL TO		ANALYSIS REQUEST	
Project Manager:		P.O. #:			
Address: 408 W. Texas Ave		Company:			
City: Artesia		Attn:			
Phone #: 575.746.8768		Address:			
Fax #: 575.746.8768		City:			
Project #: 10062024.01		State:			
Project Owner:		Zip:			
Project Name: Streetsaver		Phone #:			
Project Location: FDOT		Fax #:			
Sampler Name: A. Power		PRESERV.		SAMPLING	
FOR LAB USE ONLY					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	
		GROUNDWATER		WASTEWATER	
		SOIL		OIL	
		SLUDGE		OTHER :	
		ACID/BASE:		ICE / COOL	
		OTHER :			
		DATE	TIME		
H23950	S. 46a	8/23	10:46	CL	
21	S. 47a		10:45	BTCP	
22	S. 48a		10:50	TPH	
23	S. 49a		10:55		
24	S. 50a		11:00		
25					

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Relinquished By: *[Signature]* Date: 8-26-22 Received By: *[Signature]* Date: 8-26-22

Relinquished By: *[Signature]* Date: 8-26-22 Received By: *[Signature]* Date: 8-26-22

Delivered By: (Circle One) *4.80/4.20* #113 Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No

Sampler - UPS - Bus - Other: *4.80/4.20* #113 Checked By: (Initials) *90*

REMARKS: *3053*

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

September 01, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: JACK SLEEPER

Enclosed are the results of analyses for samples received by the laboratory on 08/26/22 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	09/01/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: SW - 1 (H223951-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	1.95	97.6	2.00	6.79	
Toluene*	<0.050	0.050	08/30/2022	ND	2.16	108	2.00	7.50	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.09	105	2.00	7.04	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.48	108	6.00	7.74	
Total BTX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/30/2022	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	188	94.2	200	8.36	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	189	94.4	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	09/01/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: SW - 2 (H223951-02)

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	08/31/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/31/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/31/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/31/2022	ND	6.48	108	6.00	7.74		
Total BTX	<0.300	0.300	08/31/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	204	102	200	0.996	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	220	110	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	09/01/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: SW - 3 (H223951-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/31/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/31/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/31/2022	ND	6.48	108	6.00	7.74		
Total BTX	<0.300	0.300	08/31/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/30/2022	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	09/01/2022	ND	204	102	200	0.996	
DRO >C10-C28*	<10.0	10.0	09/01/2022	ND	220	110	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	09/01/2022	ND					

Surrogate: 1-Chlorooctane 89.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.2 % 46.3-178

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:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	08/26/2022	Sampling Date:	08/23/2022
Reported:	09/01/2022	Sampling Type:	Soil
Project Name:	JACK SLEEPER	Sampling Condition:	Cool & Intact
Project Number:	702520.029.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

Sample ID: SW - 4 (H223951-04)

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	08/31/2022	ND	1.95	97.6	2.00	6.79		
Toluene*	<0.050	0.050	08/31/2022	ND	2.16	108	2.00	7.50		
Ethylbenzene*	<0.050	0.050	08/31/2022	ND	2.09	105	2.00	7.04		
Total Xylenes*	<0.150	0.150	08/31/2022	ND	6.48	108	6.00	7.74		
Total BTX	<0.300	0.300	08/31/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/30/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	204	102	200	0.996	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	220	110	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 94.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.3 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



Appendix V

NMOCD

C-141

1625 N. French Dr., Hobbs, NM 88240
 District II
 811 S. First St., Artesia, NM 88210
 District III
 1000 Rio Brazos Road, Aztec, NM 87410
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy Minerals and Natural
 Resources Department

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

Incident ID	nAPP2216854617
District RP	
Facility ID	30-015-49247
Application ID	

Release Notification

Responsible Party

Responsible Party: Matador Production Company	OGRID: 228937
Contact Name: Arsenio T. Jones	Contact Telephone: 575-361-4333
Contact email: arsenio.jones@matadorresources.com	Incident # (assigned by OCD): nAPP2216854617
Contact mailing address: One Lincoln Centre Dallas, TX 75240	

Location of Release Source

Latitude 32.3300638, Longitude -104.09551144 (location of source)
 (NAD 83 in decimal degrees to 5 decimal places)

Site Name: Jack Sleeper Com 19 16 23S 28E #121H	Site Type: Production Facility
Date Release Discovered: 6-17-2022	API# (if applicable) 30-015-49247

Unit Letter	Section	Township	Range	County
N	04	23S	28E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 45	Volume Recovered (bbls) 40
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

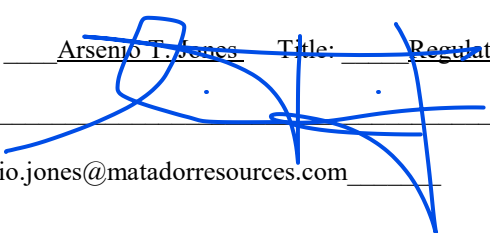
Cause of Release: Fuel line failure causing loss of diesel

Incident ID	nAPP2216854617
District RP	
Facility ID	30-015-49247
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The Release was > 50bbl
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notification was provided to the NMOCD on 6/17/2022 by Arsenio Jones of Matador (online).	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: <u>Arsenio T. Jones</u>	Title: <u>Regulatory, Environmental and Safety Specialist</u>
Signature: 	Date: <u>6/17/2022</u>
email: <u>arsenio.jones@matadorresources.com</u>	Telephone: <u>575-361-4333</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	nAPP2216854617
District RP	
Facility ID	30-015-49247
Application ID	

Site Assessment/Characterization

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?	<u>31</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Incident ID	nAPP2216854617
District RP	
Facility ID	30-015-49247
Application ID	

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.

Printed Name: Arsenio T. Jones Title: Regulatory, Environmental and Safety Specialist

Signature: [Signature] Date: 9/14/2022

email: arsenio.jones@matadorresources.com Telephone: 575-361-4333

OCD Only

Received by: Jocelyn Harimon Date: 09/21/2022

Incident ID	nAPP2216854617
District RP	
Facility ID	30-015-49247
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Arsenio T. Jones Title: Regulatory, Environmental and Safety Specialist

Signature: _____ Date: 9/14/2022

email: arsenio.jones@matadorresources.com Telephone: 575-361-4333

OCD Only

Received by: Jocelyn Harimon Date: 09/21/2022

☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: 12/14/2022

Incident ID	nAPP2216854617
District RP	
Facility ID	30-015-49247
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Arsenio T. Jones Title: Regulatory, Environmental and Safety Specialist
Signature: [Signature] Date: 9/14/2022
email: arsenio.jones@matadorresources.com Telephone: 575-361-4333

OCD Only

Received by: Jocelyn Harimon Date: 09/21/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: [Signature] Date: 12/14/2022
Printed Name: Jocelyn Harimon Title: Environmental Specialist

From: [Rebecca Pons](#)
To: [Nobui, Jennifer, EMNRD](#)
Cc: [Arsenio Jones](#); [Arturo Parra](#)
Subject: Confirmation sampling Jack Sleeper Com 19
Date: Thursday, August 4, 2022 1:22:00 PM
Attachments: [image001.png](#)

Good Afternoon,

This email is to serve as confirmation sampling notification for incident number nAPP2216854617 at the Matador Production site Jack Sleeper Com 19 16 23S 28E. Talon personnel will be on site Monday at approximately 8:00 AM for the sampling event. This correspondence as well as all other site remediation documentation will be included in the closure report for your records.

Respectfully,

Rebecca Pons
Environmental Project Manager

Office: 575.746.8768 x708

Direct: 575.616.4023

Cell: 575.441.0980

Fax: 575.746.8905

Emergency: 866.742.0742

Web: www.talonlpe.com



At Talon/LPE, we are quality in all things, including communication. Have a question? Need a quote? Send an email to clientrelations@talonlpe.com.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 145181

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 145181
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	12/14/2022